

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002293.D
 Acq On : 05 Jun 2018 06:45
 Operator : JC/MD
 Sample : J3269-13MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Manual Integrations
 APPROVED

MMDadoda
 6/5/2018 5:56:13 PM

Quant Time: Jun 05 07:58:08 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	401461	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	380897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	244226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	180860	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	5.51	113	140881	44.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.24%	
50) Toluene-d8	8.72	98	544339	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
62) 4-Bromofluorobenzene	11.14	95	207479	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	142486	50.616	ug/l	98
3) Chloromethane	1.32	50	176274	54.934	ug/l	100
4) Vinyl Chloride	1.41	62	183914	51.839	ug/l	99
5) Bromomethane	1.64	94	112376	56.398	ug/l	99
6) Chloroethane	1.72	64	114714	49.985	ug/l	99
7) Trichlorofluoromethane	1.93	101	290420	53.726	ug/l	98
8) Diethyl Ether	2.19	74	106032	55.459	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	151765	52.027	ug/l	99
10) Methyl Iodide	2.51	142	227228	55.381	ug/l	100
11) Tert butyl alcohol	3.07	59	193870	243.788	ug/l	99
12) 1,1-Dichloroethene	2.37	96	148060	51.359	ug/l	97
13) Acrolein	2.30	56	102082	266.123	ug/l	99
14) Allyl chloride	2.73	41	290315	46.404	ug/l	99
15) Acrylonitrile	3.15	53	445877	271.367	ug/l	100
16) Acetone	2.45	43	412241	247.321	ug/l	98
17) Carbon Disulfide	2.57	76	367314	48.343	ug/l	99
18) Methyl Acetate	2.78	43	192239	49.527	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	553750	55.420	ug/l	99
20) Methylene Chloride	2.86	84	167593	55.012	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	159239	50.090	ug/l	99
22) Diisopropyl ether	3.88	45	534580	51.183	ug/l	99
23) Vinyl Acetate	3.83	43	2031561	200.312	ug/l	100
24) 1,1-Dichloroethane	3.70	63	304053	49.173	ug/l	100
25) 2-Butanone	4.71	43	588831	221.768	ug/l	100
26) 2,2-Dichloropropane	4.59	77	157333	32.551	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	164607	47.611	ug/l	92
28) Bromochloromethane	5.03	49	142559	54.532	ug/l	99
29) Tetrahydrofuran	5.17	42	389561	227.562	ug/l	99
30) Chloroform	5.22	83	290783	48.735	ug/l	97
31) Cyclohexane	5.58	56	248400	50.803	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	254432	50.281	ug/l	100
36) 1,1-Dichloropropene	5.81	75	208405	49.379	ug/l	99
37) Ethyl Acetate	4.87	43	215986	42.554	ug/l	100
38) Carbon Tetrachloride	5.79	117	223932	50.718	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	237769	45.623	ug/l	98
40) Benzene	6.15	78	628853	48.595	ug/l	100
41) Methacrylonitrile	5.07	41	136354	46.929	ug/l	99
42) 1,2-Dichloroethane	6.20	62	246638	47.970	ug/l	100
43) Isopropyl Acetate	6.47	43	380237	44.106	ug/l	100
44) Trichloroethene	7.22	130	182477	50.807	ug/l	99
45) 1,2-Dichloropropane	7.52	63	168707	48.291	ug/l	97
46) Dibromomethane	7.67	93	112235	47.391	ug/l	99
47) Bromodichloromethane	7.90	83	209437	48.896	ug/l	98
48) Methyl methacrylate	7.78	41	204912	47.319	ug/l	99
49) 1,4-Dioxane	7.76	88	73903	912.739	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1292011	240.657	ug/l	100
52) Toluene	8.79	92	410159	49.834	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	237664	46.269	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	224607	46.348	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	166691	49.242	ug/l	98
56) Ethyl methacrylate	9.18	69	258969	47.917	ug/l	99
57) 1,3-Dichloropropane	9.38	76	275429	48.499	ug/l	100
59) 2-Hexanone	9.50	43	990352	238.823	ug/l	100
60) Dibromochloromethane	9.59	129	170479	50.068	ug/l	100
61) 1,2-Dibromoethane	9.68	107	173861	49.258	ug/l	99
64) Tetrachloroethene	9.34	164	191906	48.852	ug/l	97
65) Chlorobenzene	10.14	112	472135	49.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	170063	49.555	ug/l	99
67) Ethyl Benzene	10.26	91	816998	51.509	ug/l	98
68) m/p-Xylenes	10.37	106	632480	102.581	ug/l	100
69) o-Xylene	10.70	106	310248	50.564	ug/l	99
70) Styrene	10.72	104	499068	49.754	ug/l	100
71) Bromoform	10.86	173	132870	43.699	ug/l	99
73) Isopropylbenzene	11.02	105	839719	49.426	ug/l	100
74) N-amyl acetate	6.47	43	380237	41.536	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	245033	45.857	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	241371m	45.041	ug/l	
77) Bromobenzene	11.26	156	229007	48.014	ug/l	99
78) n-propylbenzene	11.37	91	950670	50.344	ug/l	100
79) 2-Chlorotoluene	11.43	91	572861	48.044	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	713506	48.963	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	62117	40.631	ug/l	97
82) 4-Chlorotoluene	11.52	91	674689	49.023	ug/l	100
83) tert-Butylbenzene	11.77	119	713262	50.264	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	742114	49.473	ug/l	100
85) sec-Butylbenzene	11.95	105	856432	51.482	ug/l	100
86) p-Isopropyltoluene	12.07	119	769235	50.765	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	412833	48.408	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	417953	47.546	ug/l	99
89) n-Butylbenzene	12.39	91	645260	50.774	ug/l	100
90) Hexachloroethane	12.60	117	118726	49.084	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	422555	47.889	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	56726	48.546	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	297267	48.046	ug/l	100

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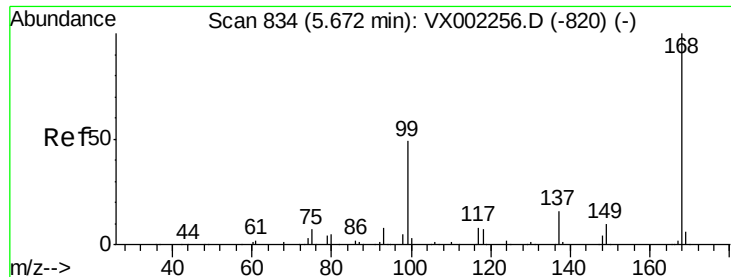
Manual Integrations
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Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	155033	50.708	ug/l	98
95) Naphthalene	13.84	128	873283	49.125	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	311403	49.351	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

ClientSampleId :

SS052MW750-180531MSD

Tot Ion:168 Resp: 270798

Ion Ratio Lower Upper

168 100

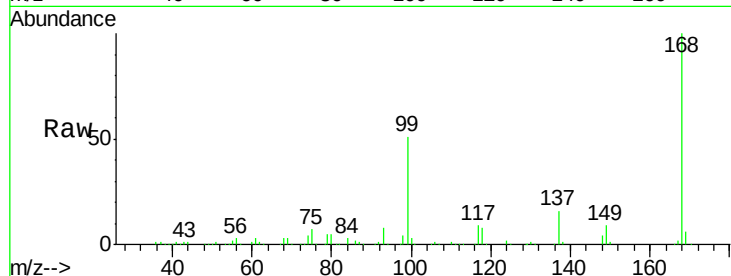
99 50.4 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

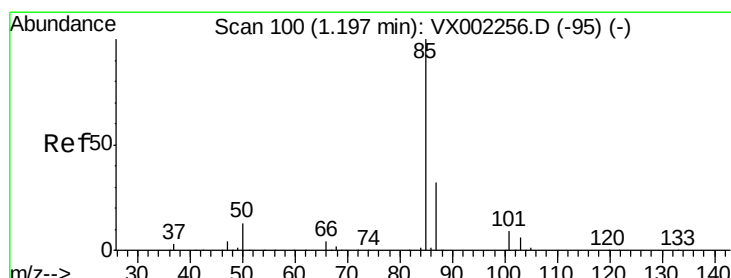
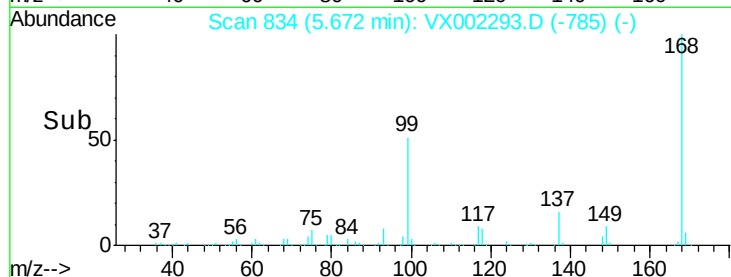
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.616 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002293.D

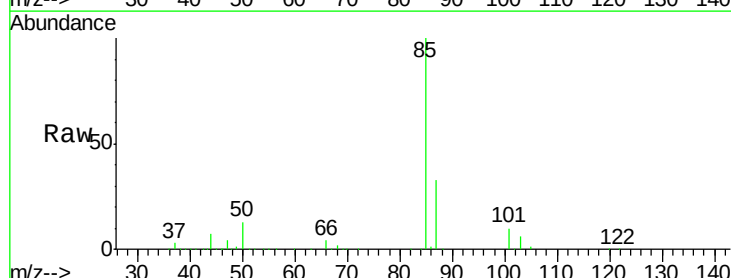
Acq: 05 Jun 2018 06:45

Tgt Ion: 85 Resp: 142486

Ion Ratio Lower Upper

85 100

87 33.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

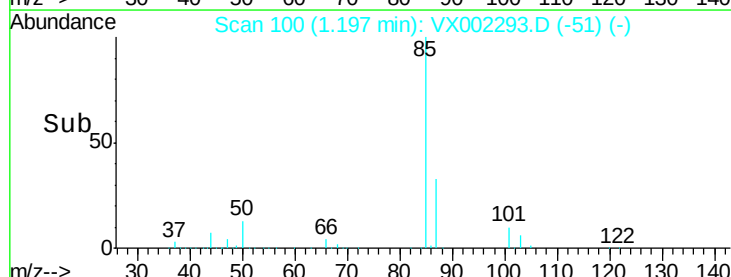
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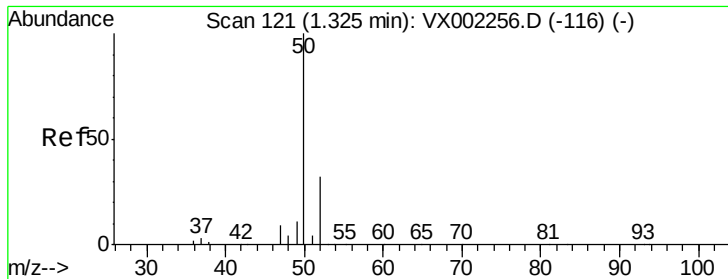
100000

50000

0

Time-->





#3

Chloromethane

Concen: 54.934 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

ClientSampleId :

SS052MW750-180531MSD

Tot Ion: 50 Resp: 176274

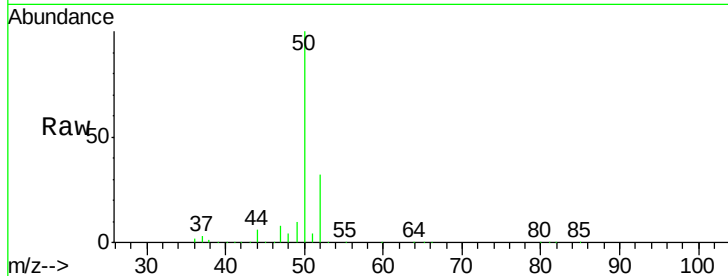
Ion Ratio Lower Upper

50 100

52 32.0 25.7 38.5

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

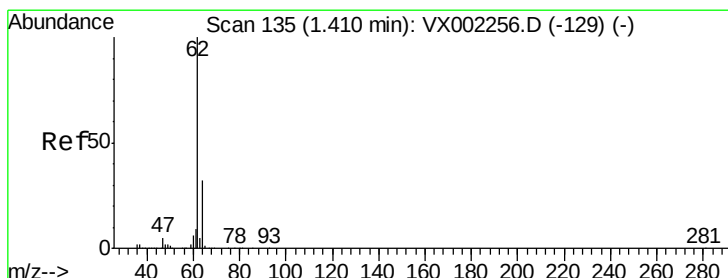
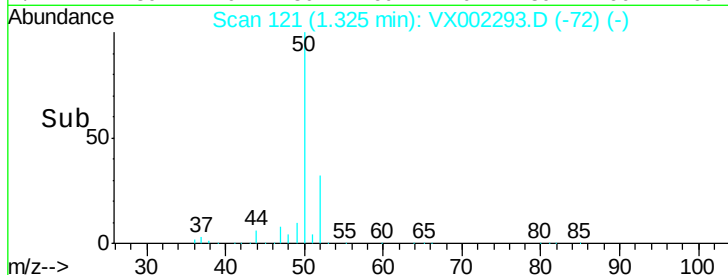
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.839 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002293.D

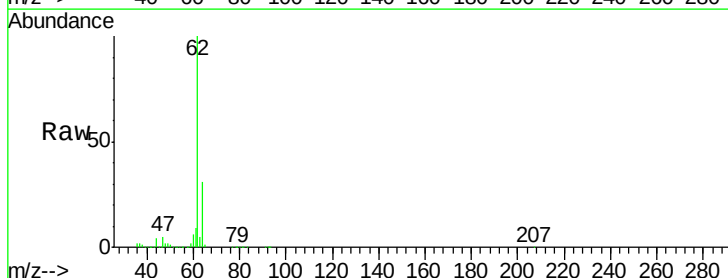
Acq: 05 Jun 2018 06:45

Tgt Ion: 62 Resp: 183914

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

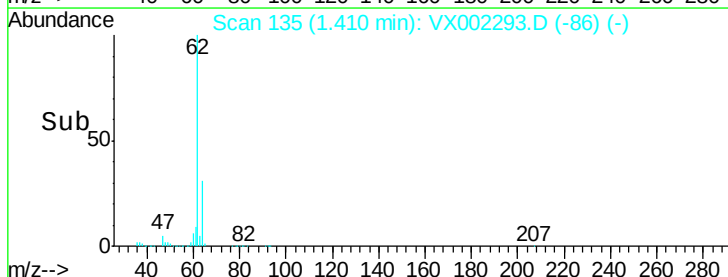
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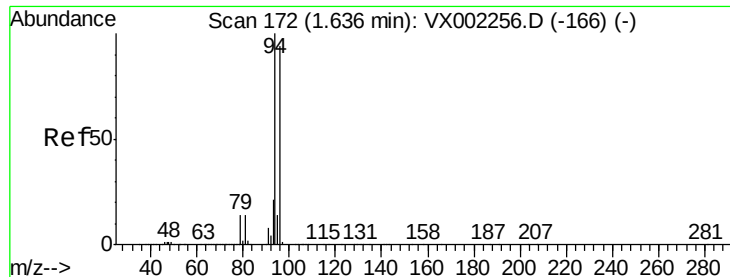
100000

50000

0

Time-->





#5

Bromomethane

Concen: 56.398 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

ClientSampleId :

SS052MW750-180531MSD

Tot Ion: 94 Resp: 112376

Ion Ratio Lower Upper

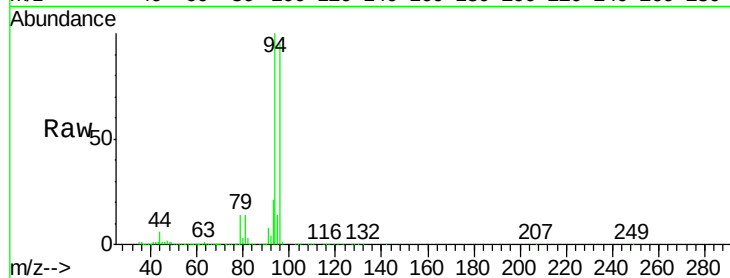
94 100

96 95.0 74.9 112.3

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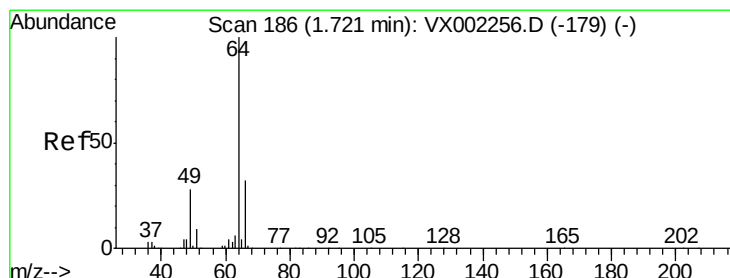
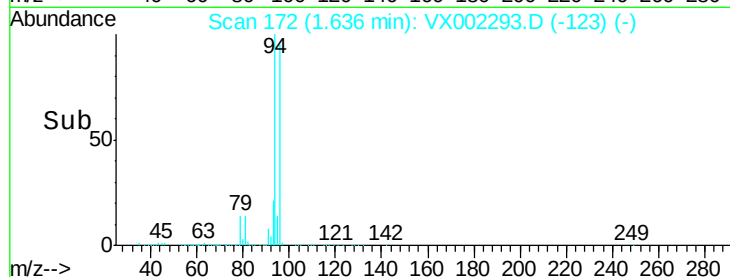
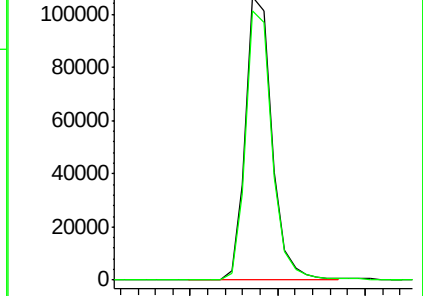
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64



#6

Chloroethane

Concen: 49.985 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002293.D

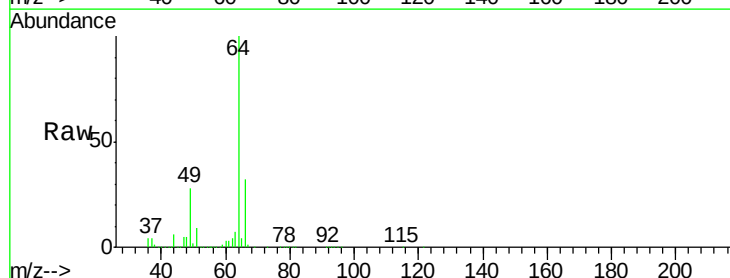
Acq: 05 Jun 2018 06:45

Tgt Ion: 64 Resp: 114714

Ion Ratio Lower Upper

64 100

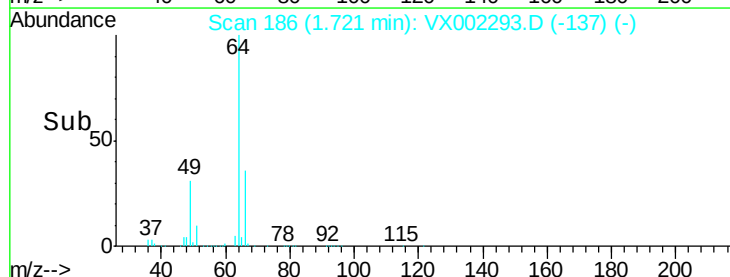
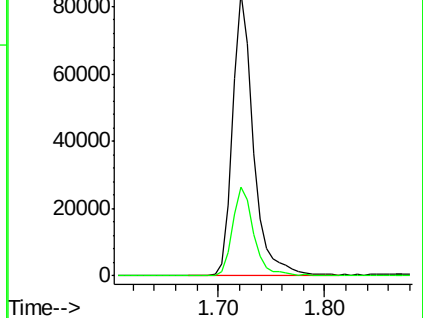
66 31.5 25.5 38.3

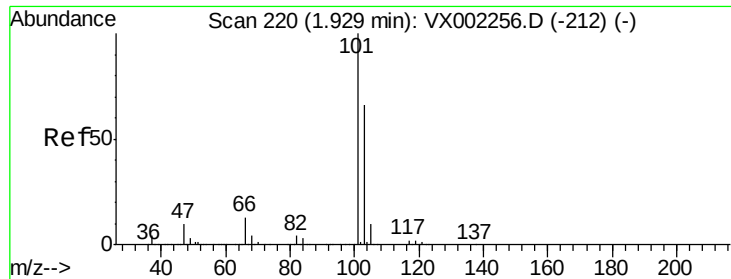


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72





#7

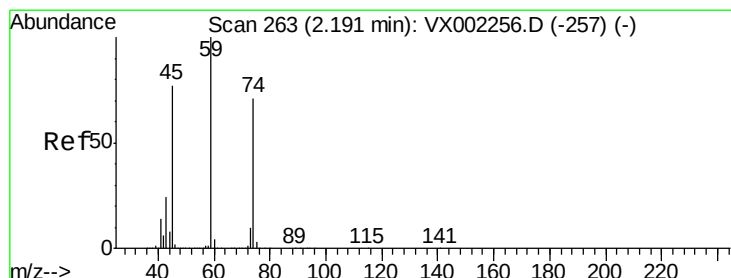
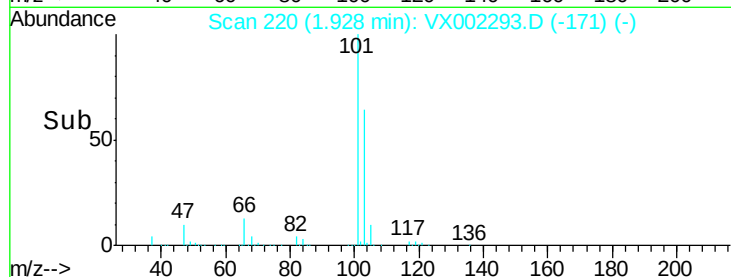
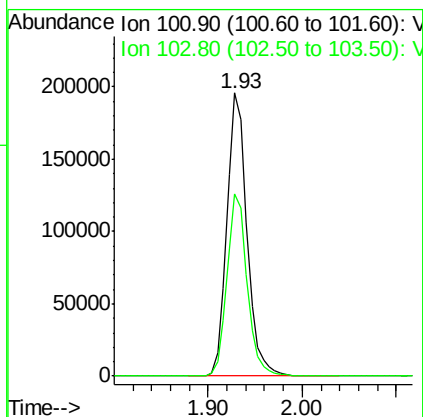
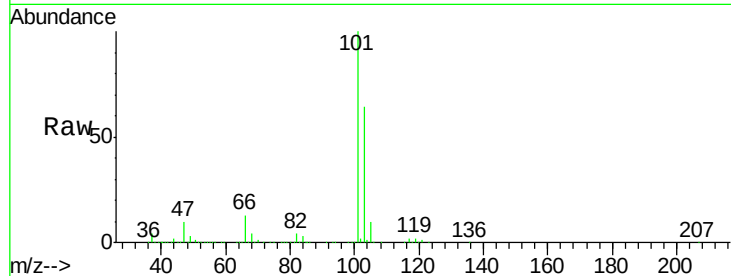
Trichlorofluoromethane
Concen: 53.726 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	290420		
103	64.3	52.8	79.2	

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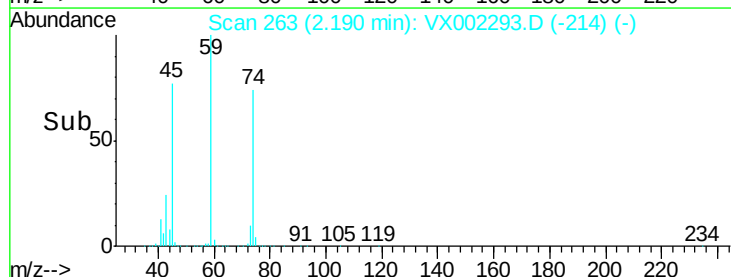
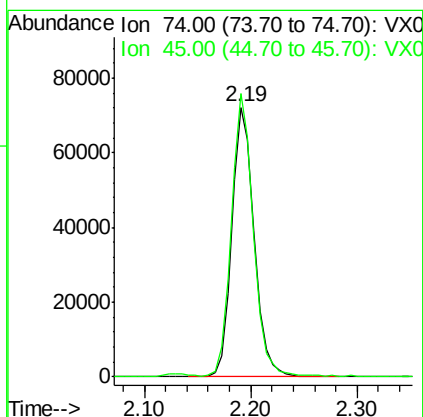
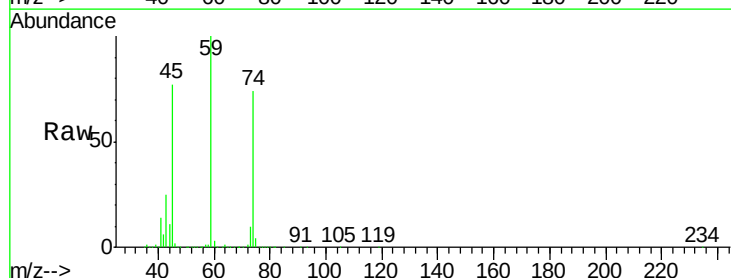
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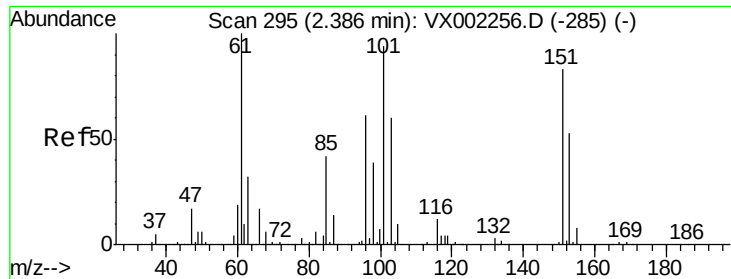


#8

Diethyl Ether
Concen: 55.459 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	106032		
45	102.1	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.027 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

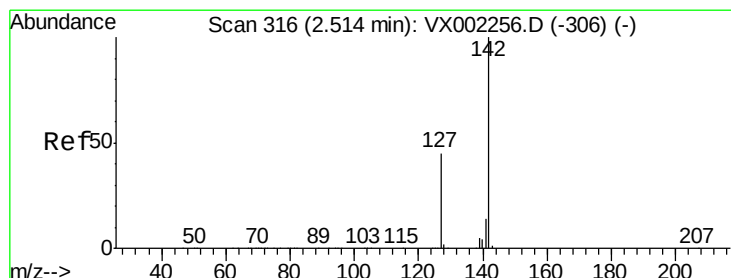
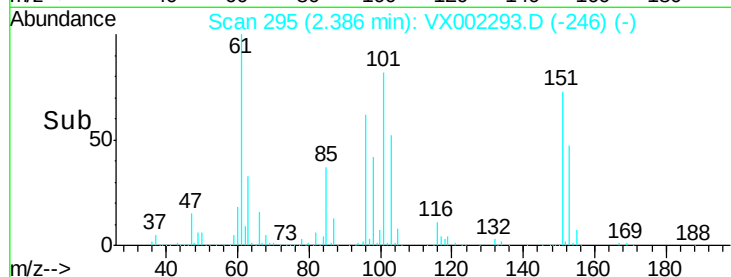
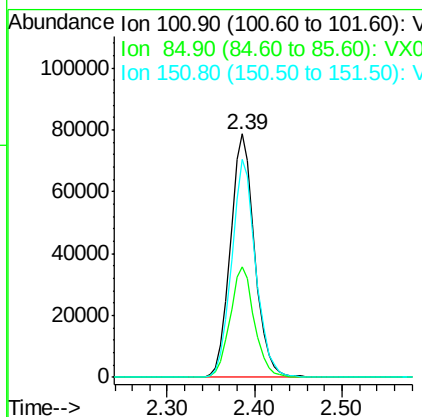
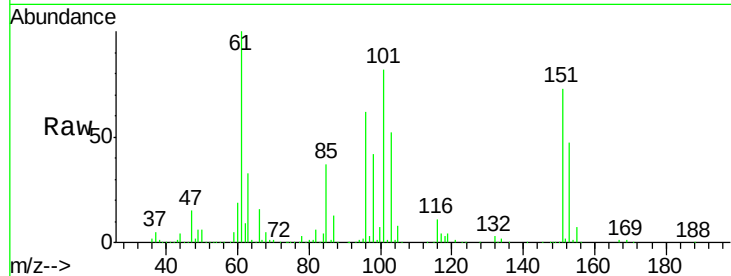
ClientSampleId :

SS052MW750-180531MSD

Tot Ion:	101	Resp:	151765
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.0	54.0
151	88.9	70.9	106.3

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#10

Methyl Iodide

Concen: 55.381 ug/l

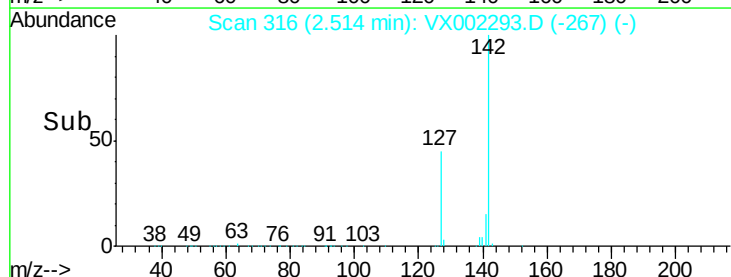
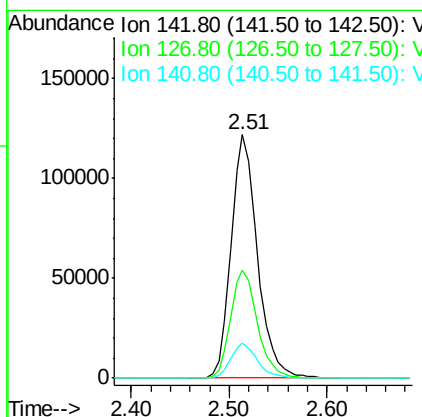
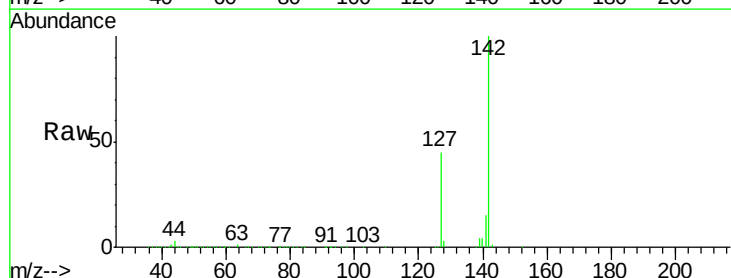
RT: 2.51 min Scan# 316

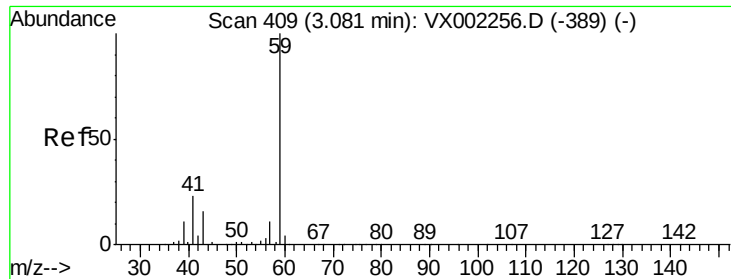
Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Tgt Ion:	142	Resp:	227228
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.6	55.0
141	14.5	11.3	16.9





#11

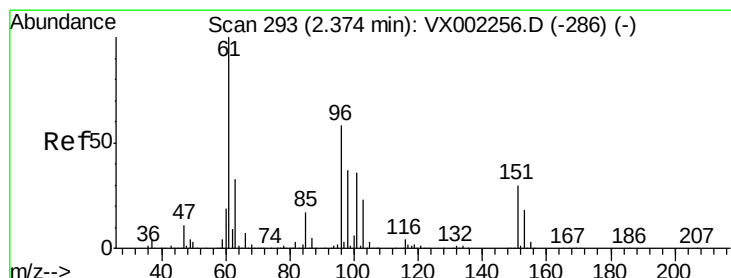
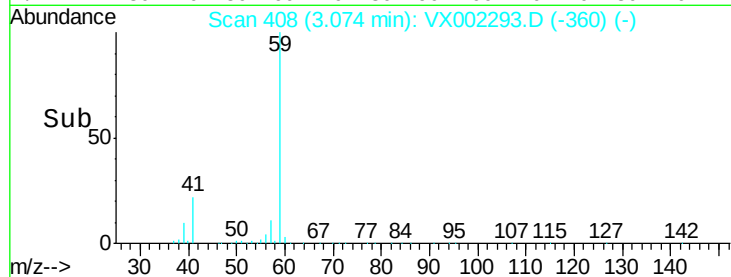
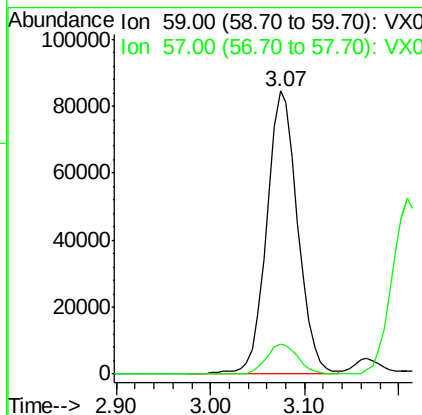
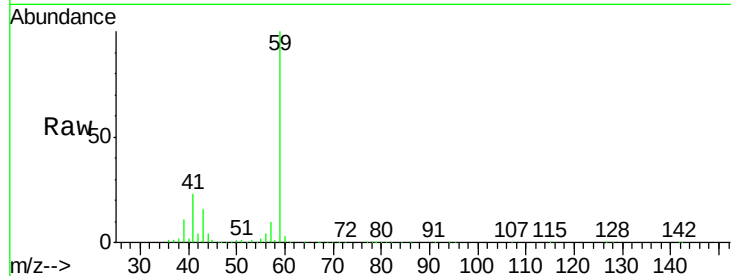
Tert butyl alcohol
 Concen: 243.788 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion	59	57	Ratio	100	10.7	Resp	193870	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.7	Resp	193870	Lower	8.2	Upper	12.2

Manual Integrations
 APPROVED

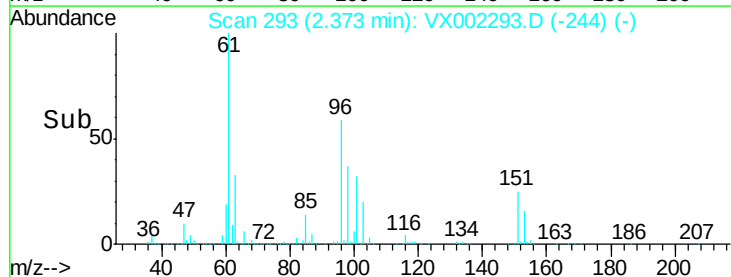
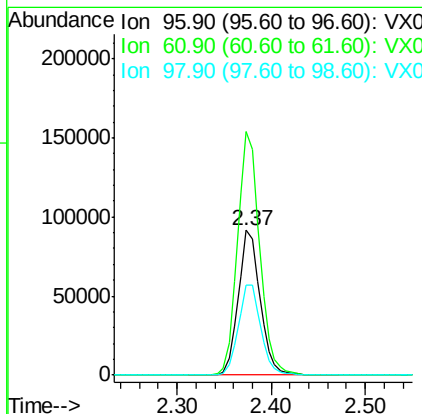
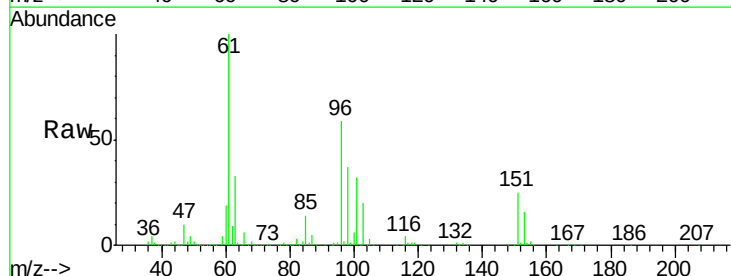
MMDadoda
 6/5/2018 5:56:13 PM

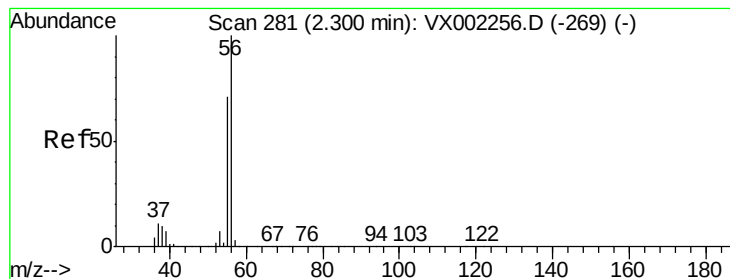


#12

1,1-Dichloroethene
 Concen: 51.359 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion	96	61	98	Ratio	100	168.5	62.4	Resp	148060	Lower	137.9	Upper	206.9	77.4
Ion	96	61	98	Ratio	100	168.5	62.4	Resp	148060	Lower	137.9	Upper	206.9	77.4





#13

Acrolein

Concen: 266.123 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

ClientSampleId :

SS052MW750-180531MSD

Tot Ion: 56 Resp: 102082

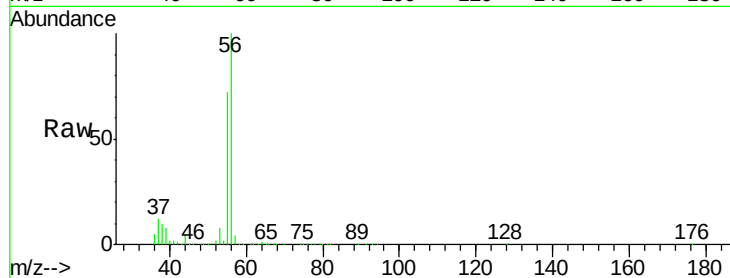
Ion Ratio Lower Upper

56 100

55 71.9 57.0 85.4

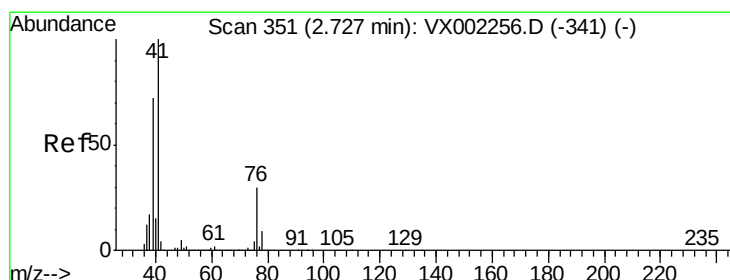
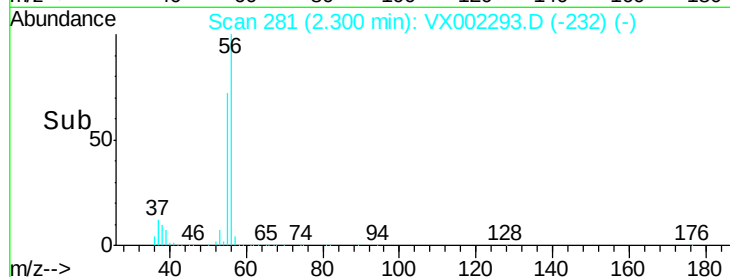
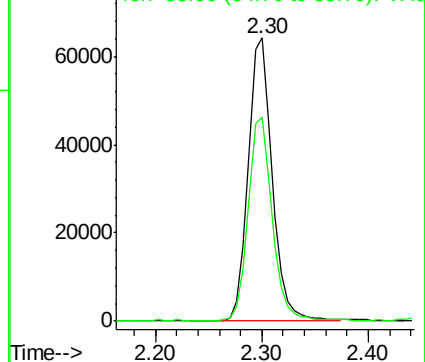
Manual Integrations
APPROVED

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6/5/2018 5:56:13 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.404 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

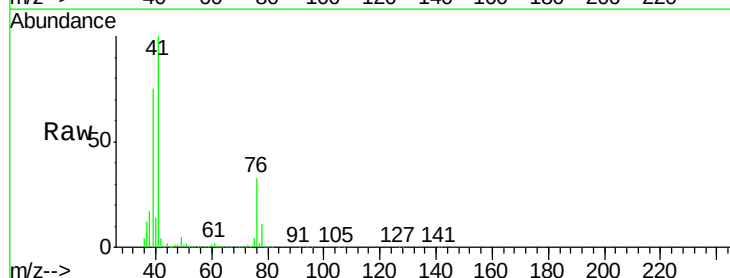
Tgt Ion: 41 Resp: 290315

Ion Ratio Lower Upper

41 100

39 71.7 56.8 85.2

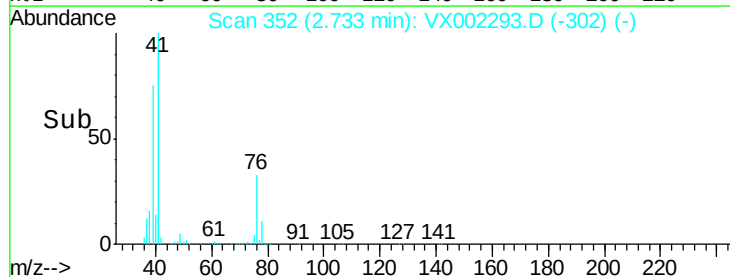
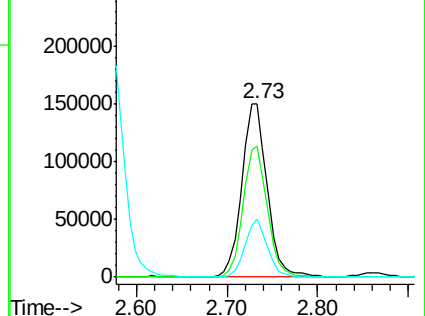
76 29.7 23.8 35.8

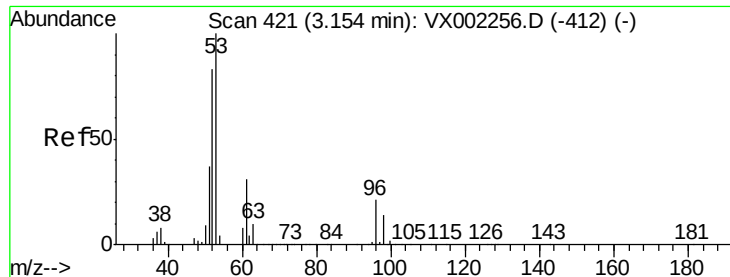


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 271.367 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

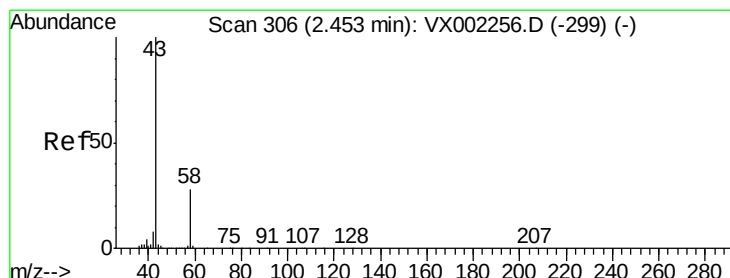
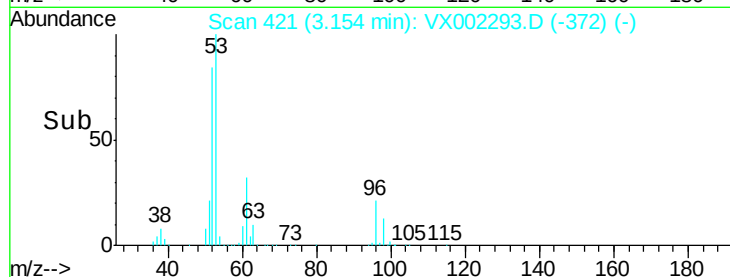
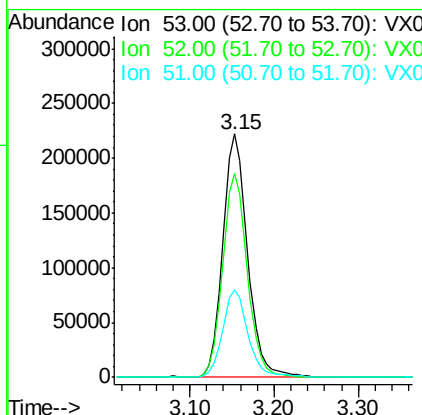
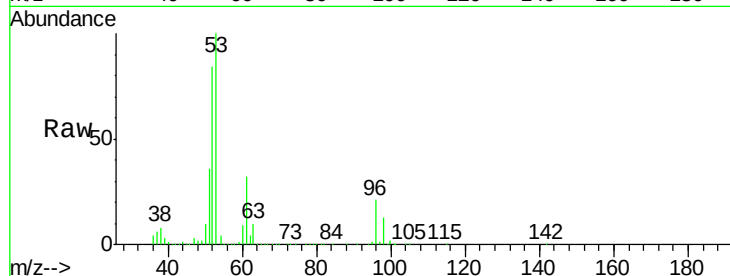
ClientSampleId :

SS052MW750-180531MSD

Tot Ion:	53	Resp:	445877
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.7	100.1
51	37.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 247.321 ug/l

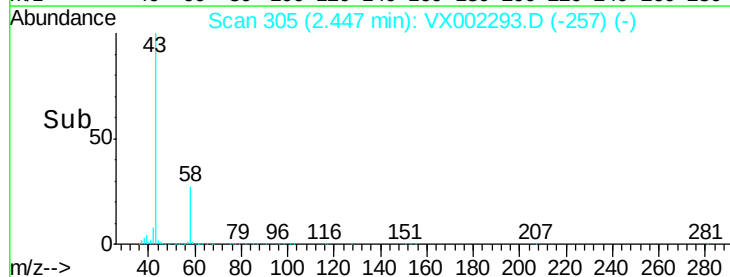
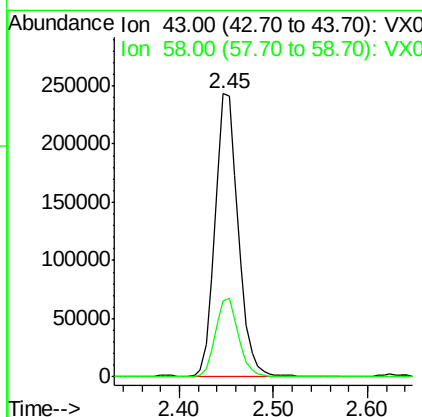
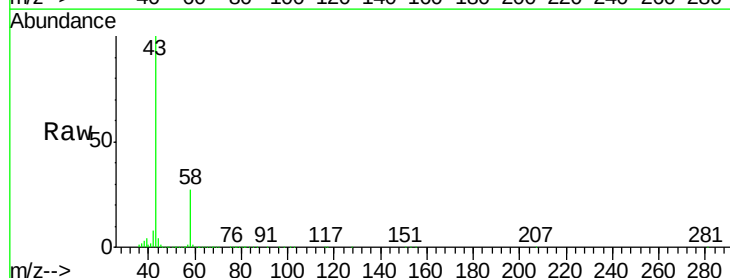
RT: 2.45 min Scan# 305

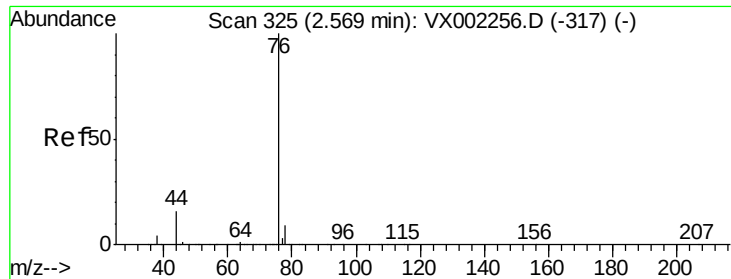
Delta R.T. -0.01 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Tgt Ion:	43	Resp:	412241
Ion	Ratio	Lower	Upper
43	100		
58	26.6	22.1	33.1





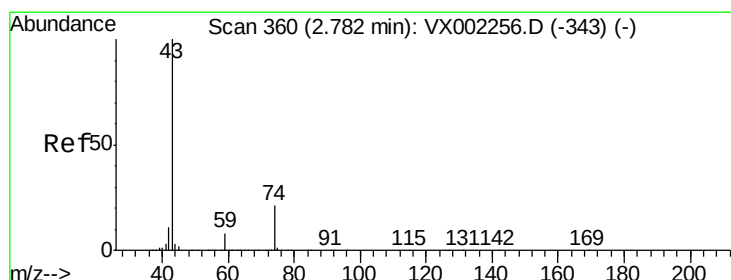
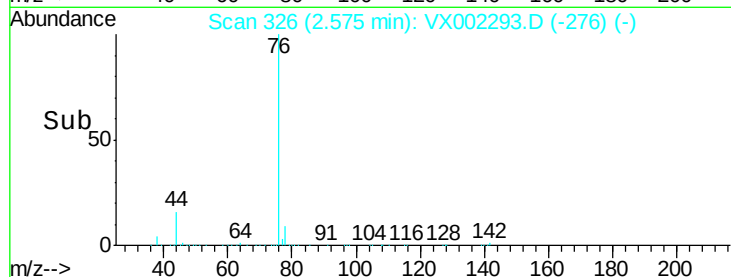
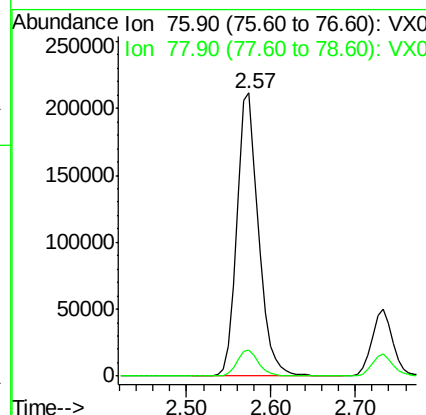
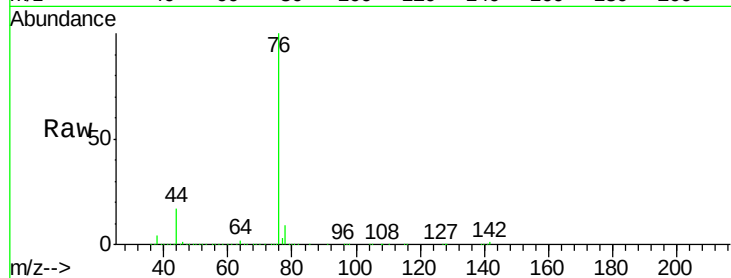
#17
Carbon Disulfide
Concen: 48.343 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Instrument :
MSVOA_X
ClientSampleId :
SS052MW750-180531MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.9	10.3

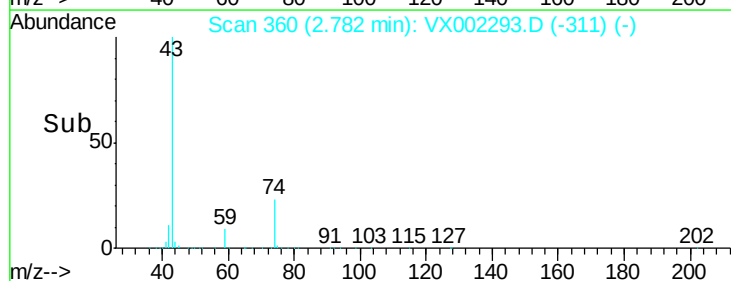
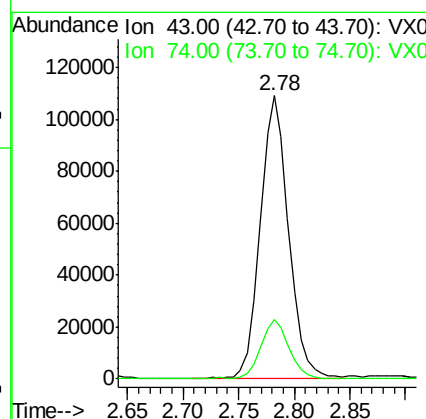
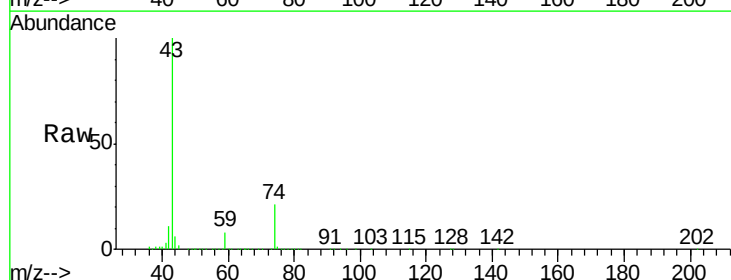
Manual Integrations
APPROVED

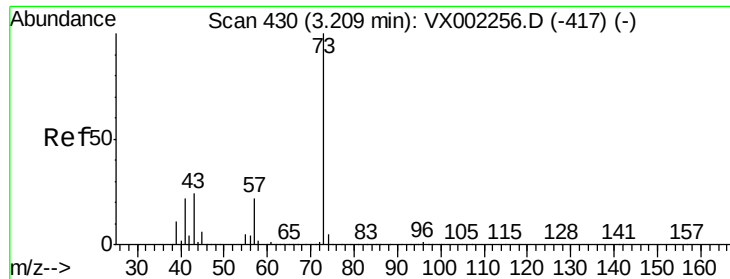
MMDadoda
6/5/2018 5:56:13 PM



#18
Methyl Acetate
Concen: 49.527 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1





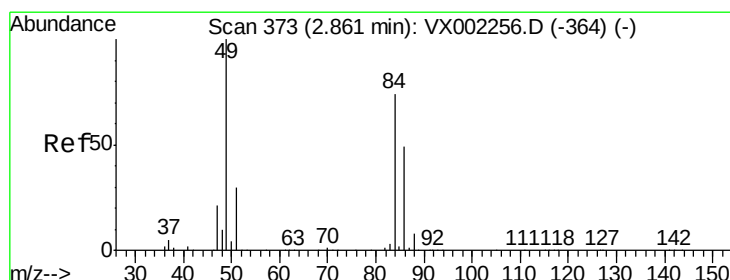
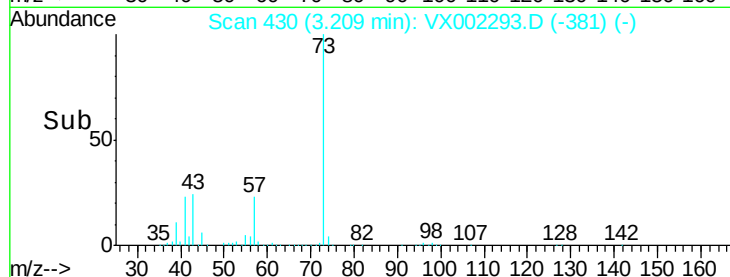
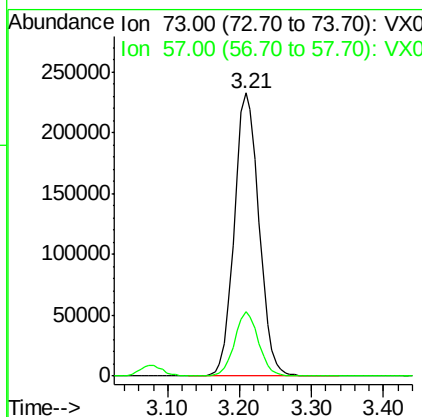
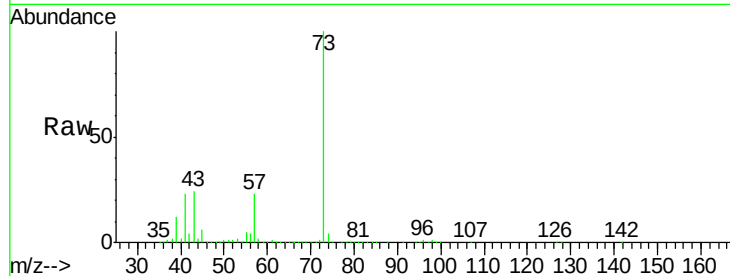
#19
Methyl tert-butyl Ether
Concen: 55.420 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Instrument :
MSVOA_X
ClientSampleId :
SS052MW750-180531MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5

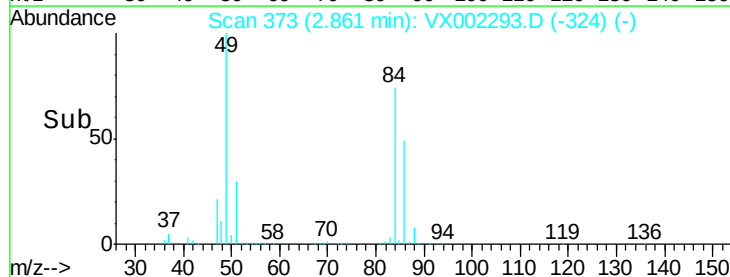
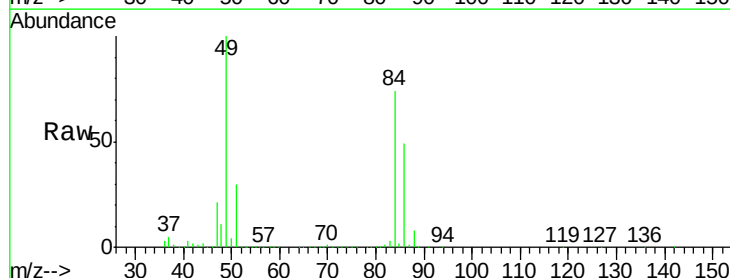
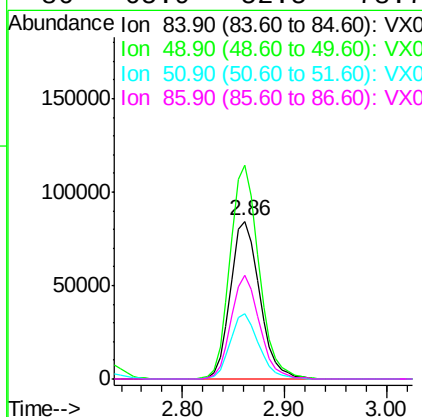
Manual Integrations
APPROVED

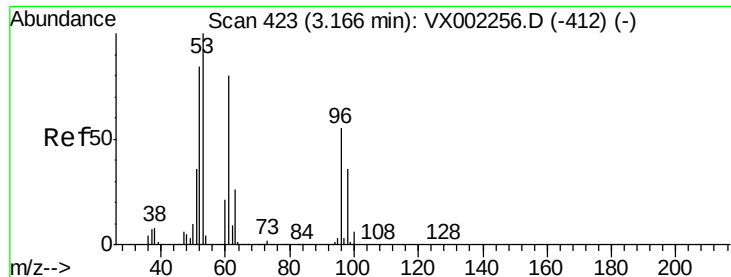
MMDadoda
6/5/2018 5:56:13 PM



#20
Methylene Chloride
Concen: 55.012 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.0	107.8	161.6
51	41.0	32.8	49.2
86	65.9	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 50.090 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

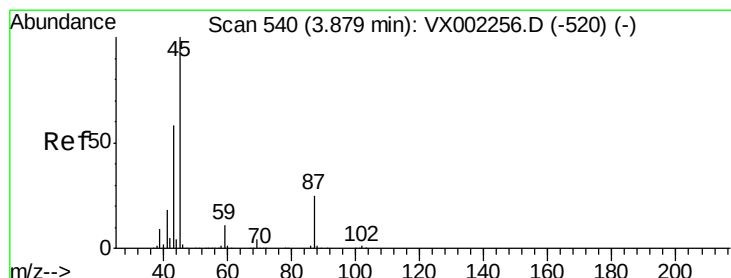
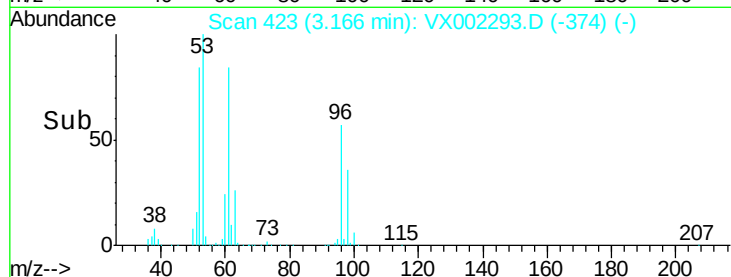
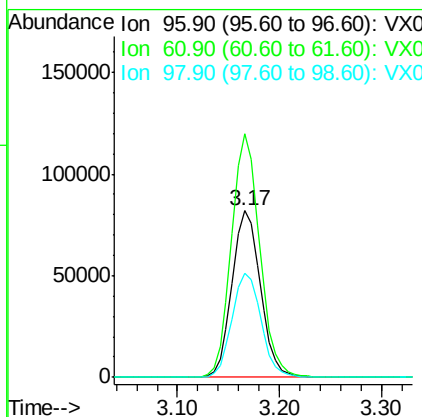
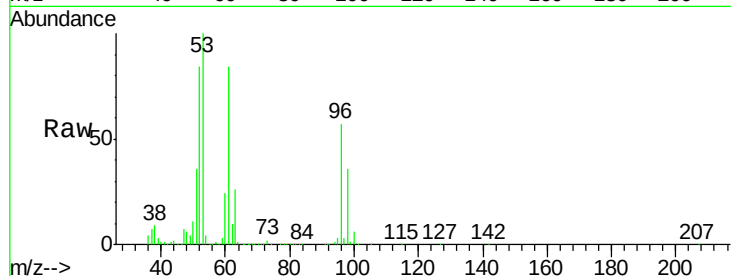
ClientSampleId :

SS052MW750-180531MSD

Tot Ion:	96	Resp:	159239
Ion	Ratio	Lower	Upper
96	100		
61	146.1	117.0	175.4
98	62.2	52.4	78.6

Manual Integrations
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6/5/2018 5:56:13 PM



#22

Diisopropyl ether

Concen: 51.183 ug/l

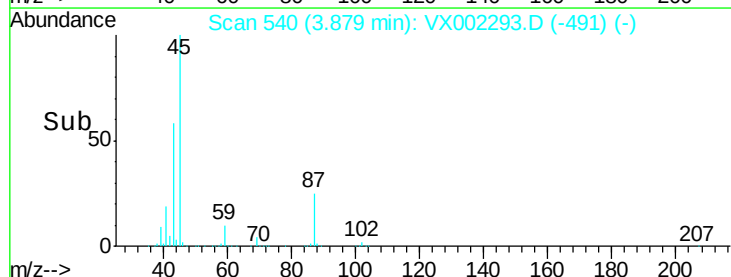
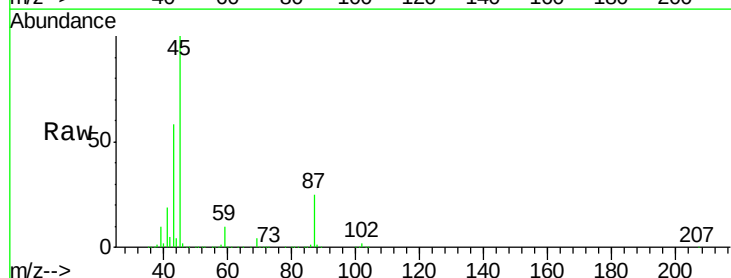
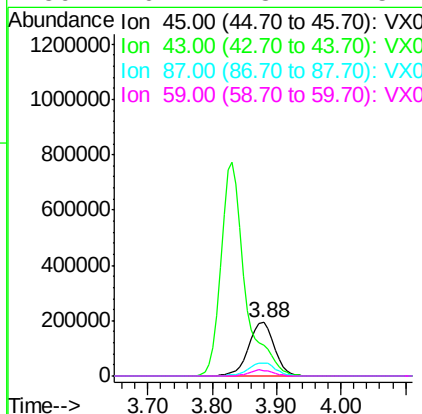
RT: 3.88 min Scan# 540

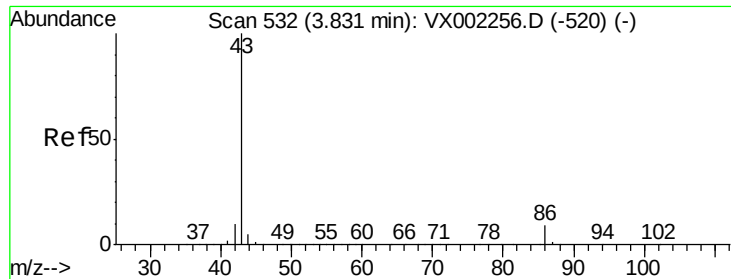
Delta R.T. 0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Tgt Ion:	45	Resp:	534580
Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.8	70.2
87	24.9	20.2	30.4
59	10.4	8.7	13.1





#23

Vinyl Acetate

Concen: 200.312 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

ClientSampleId :

SS052MW750-180531MSD

Tot Ion: 43 Resp: 2031561

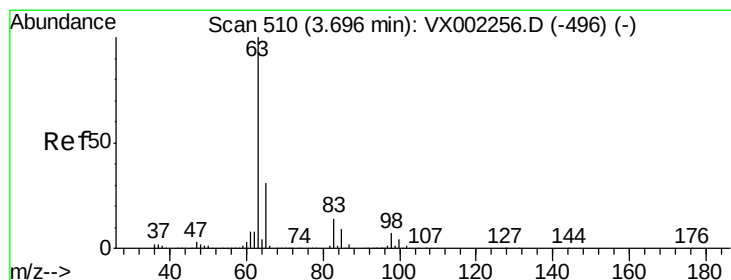
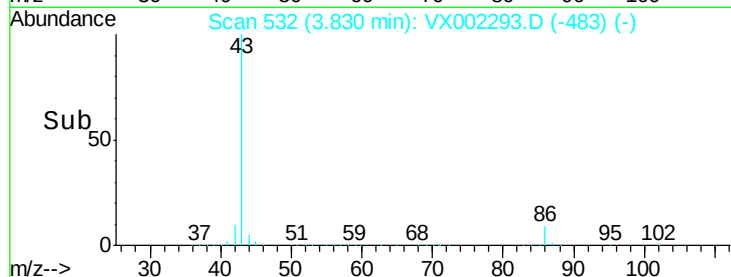
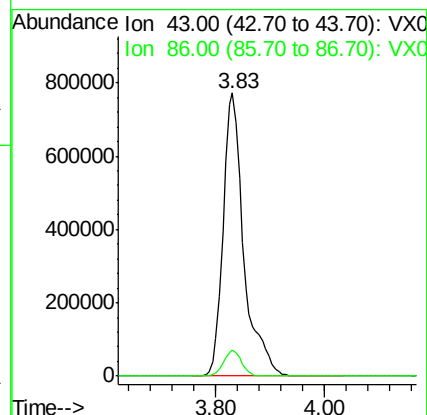
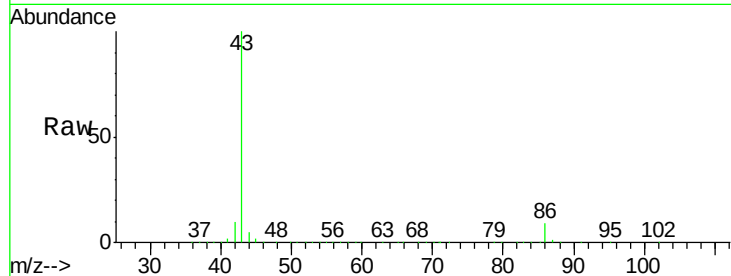
Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0

Manual Integrations
APPROVED

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6/5/2018 5:56:13 PM



#24

1,1-Dichloroethane

Concen: 49.173 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

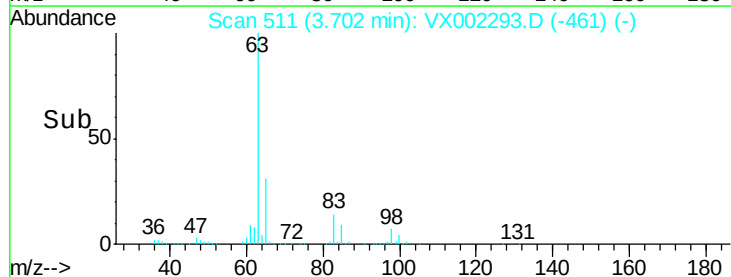
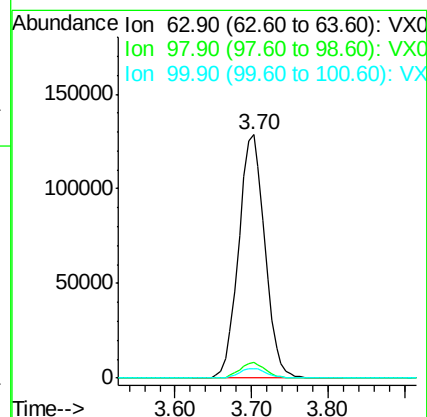
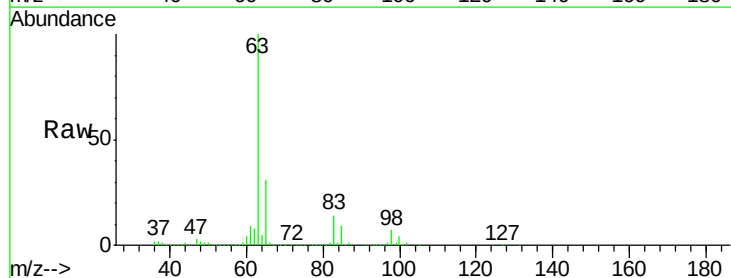
Tgt Ion: 63 Resp: 304053

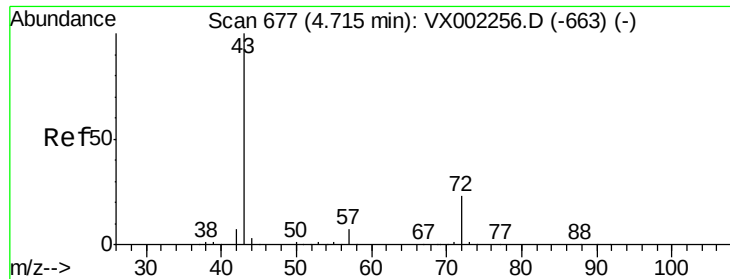
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 221.768 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

ClientSampleId :

SS052MW750-180531MSD

Tot Ion: 43 Resp: 588831

Ion Ratio Lower Upper

43 100

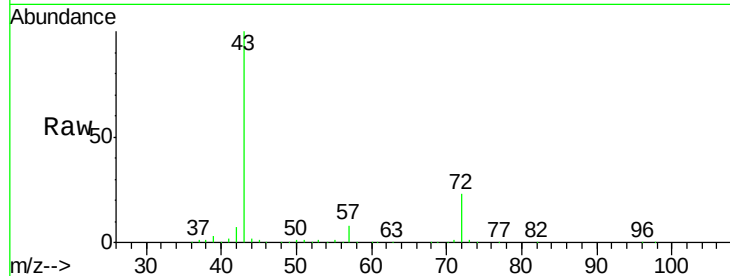
72 23.3 18.5 27.7

Manual Integrations

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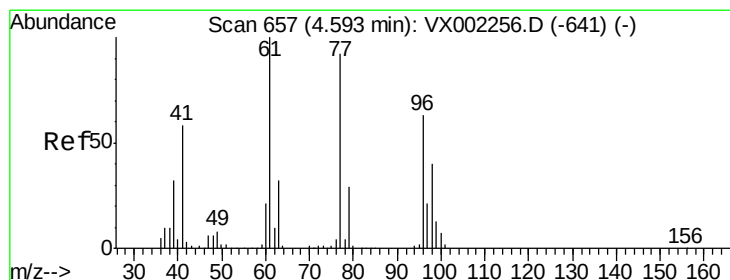
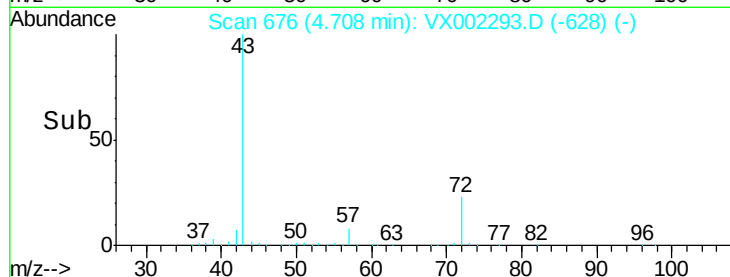
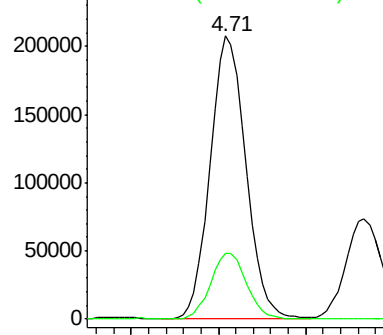
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 32.551 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002293.D

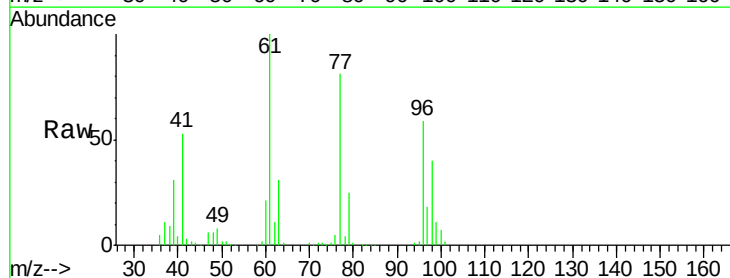
Acq: 05 Jun 2018 06:45

Tgt Ion: 77 Resp: 157333

Ion Ratio Lower Upper

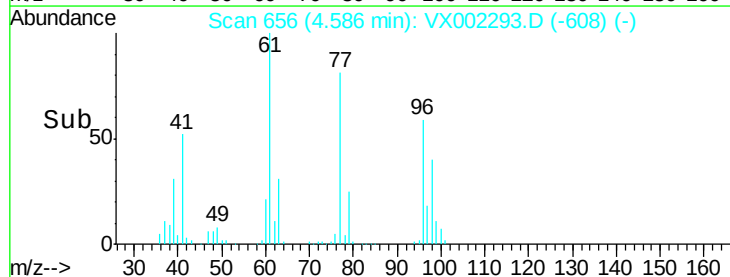
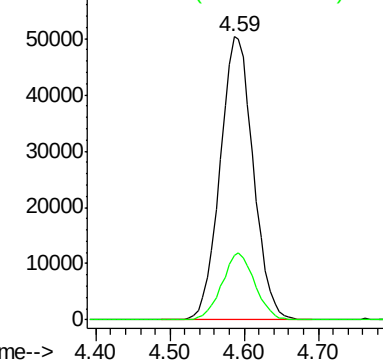
77 100

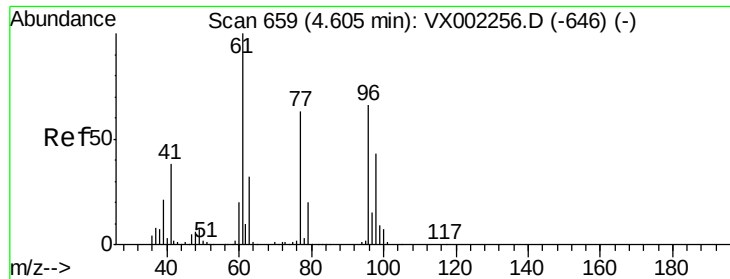
97 23.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

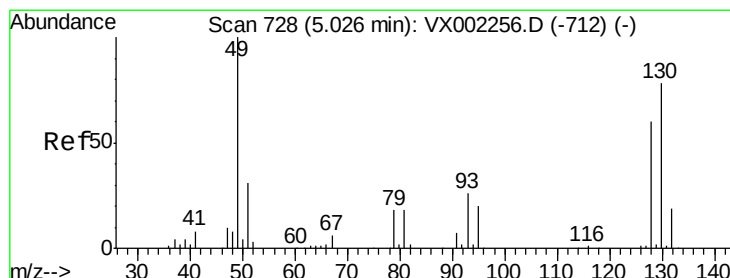
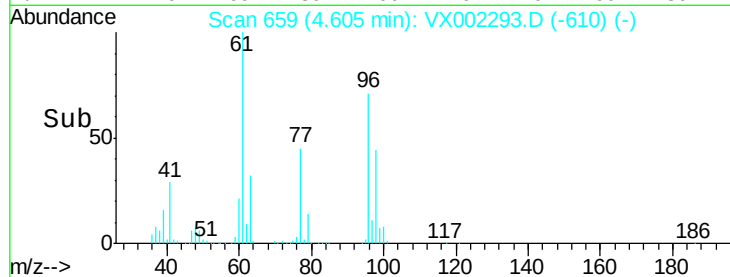
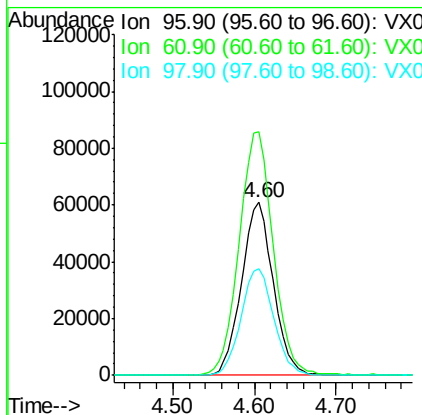
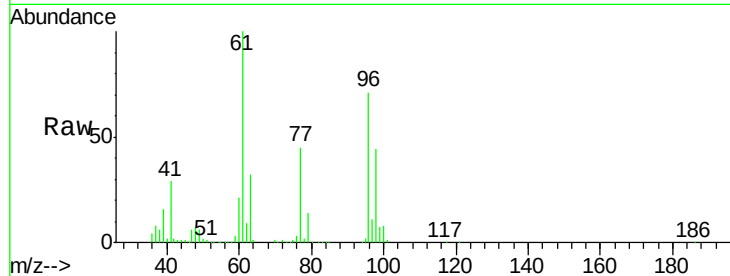
cis-1,2-Dichloroethene
 Concen: 47.611 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	164607		
61	151.7	0.0	330.2	
98	63.7	0.0	130.2	

Manual Integrations
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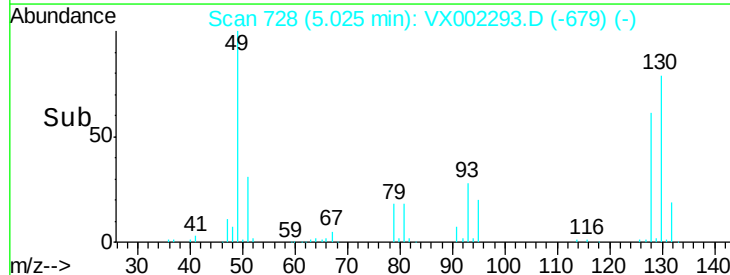
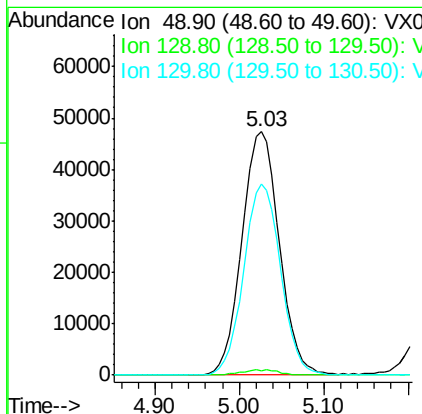
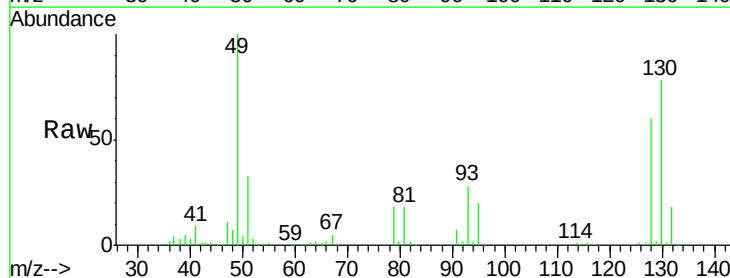
MMDadoda
 6/5/2018 5:56:13 PM

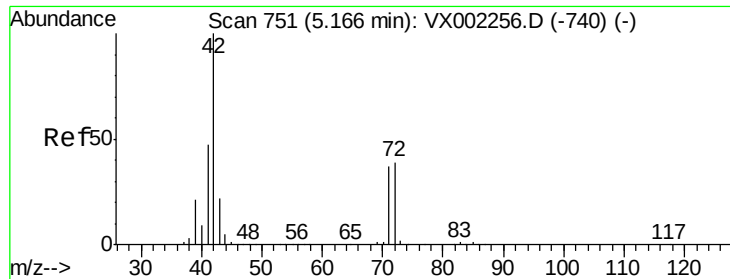


#28

Bromochloromethane
 Concen: 54.532 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	142559		
129	2.1	0.0	4.2	
130	77.5	61.2	91.8	





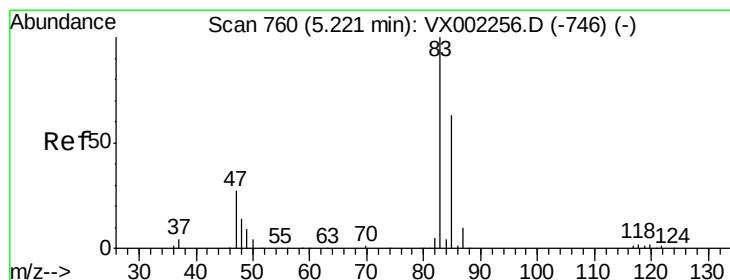
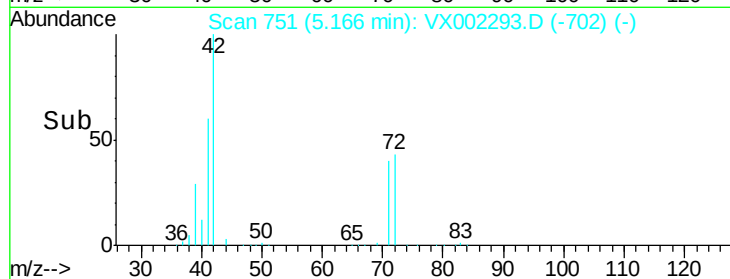
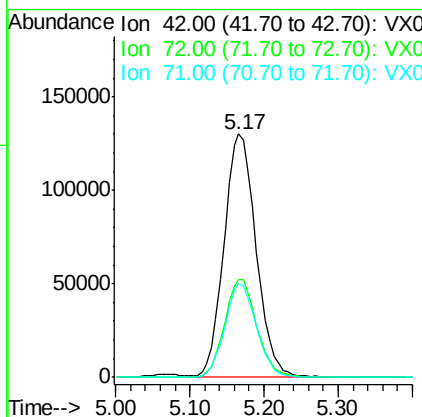
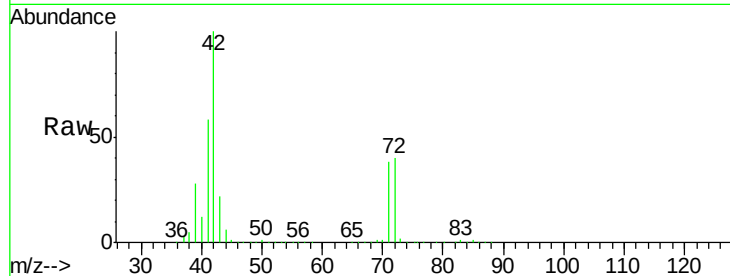
#29
Tetrahydrofuran
Concen: 227.562 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Instrument :
MSVOA_X
ClientSampleId :
SS052MW750-180531MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.0	48.0
71	38.3	30.1	45.1

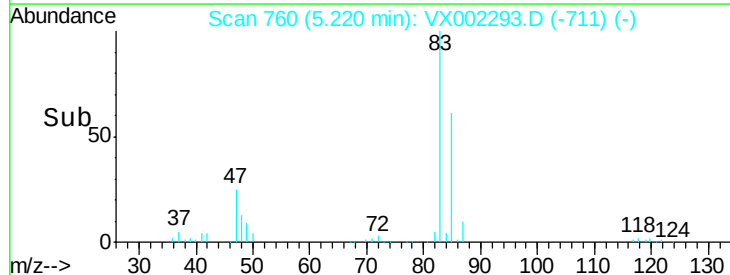
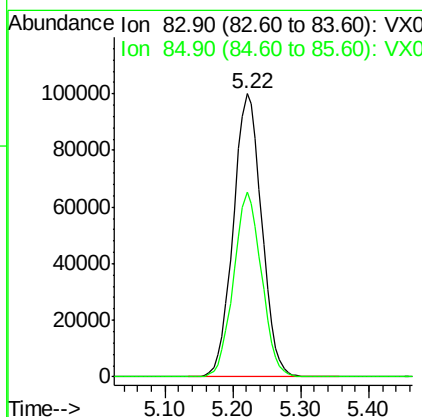
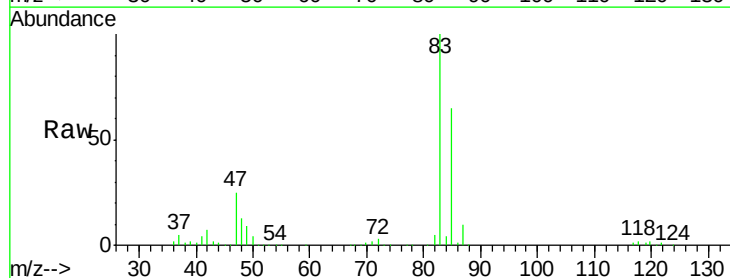
Manual Integrations
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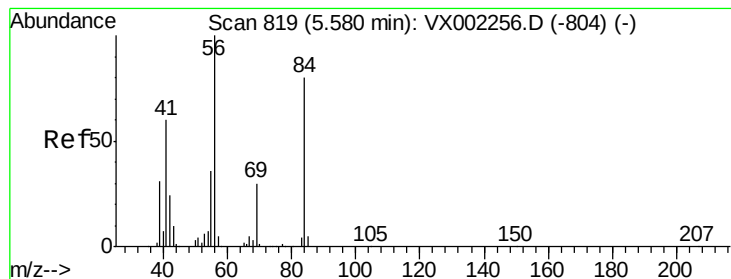
MMDadoda
6/5/2018 5:56:13 PM



#30
Chloroform
Concen: 48.735 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.4	75.6





#31

Cyclohexane

Concen: 50.803 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

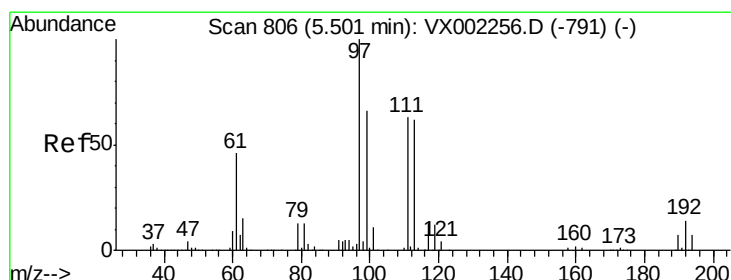
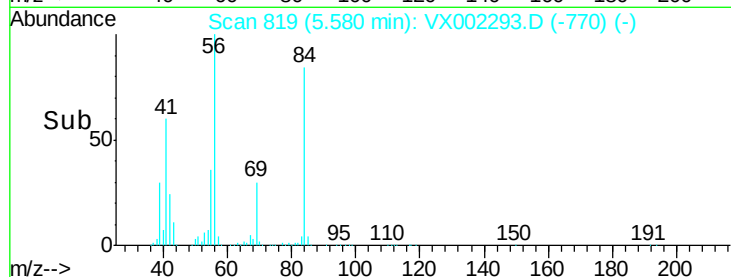
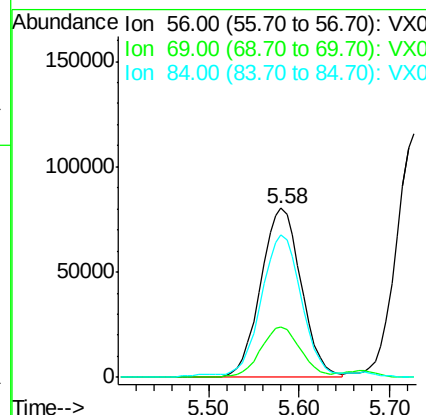
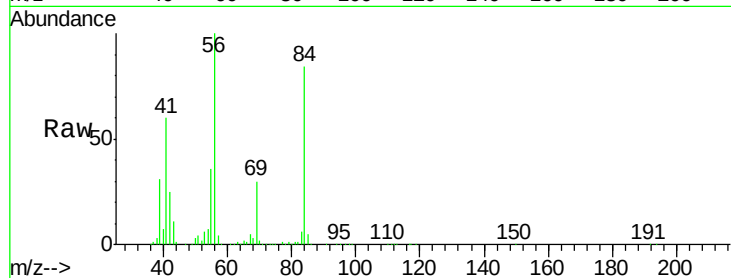
ClientSampleId :

SS052MW750-180531MSD

Tot Ion:	56	Resp:	248400
Ion Ratio	Lower	Upper	
56	100		
69	29.8	23.7	35.5
84	83.2	64.1	96.1

Manual Integrations
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MMDadoda
6/5/2018 5:56:13 PM



#32

1,1,1-Trichloroethane

Concen: 50.281 ug/l

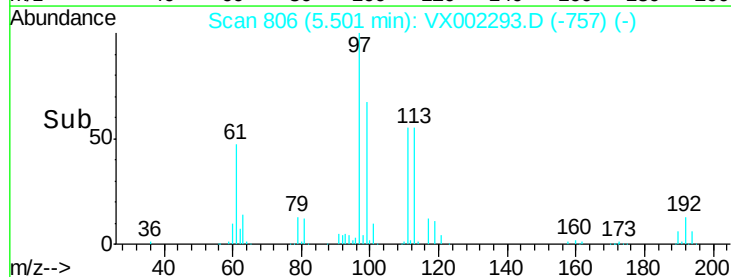
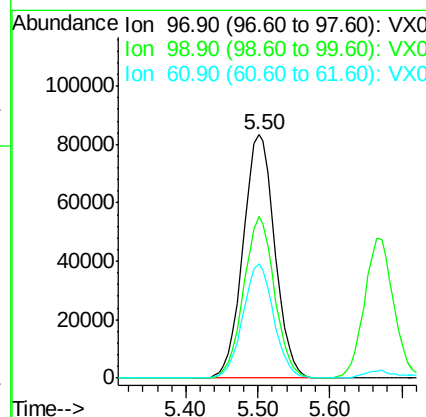
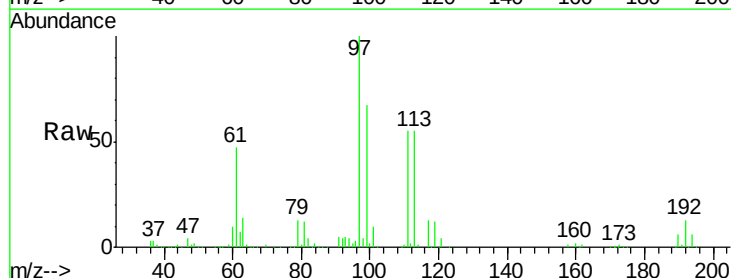
RT: 5.50 min Scan# 806

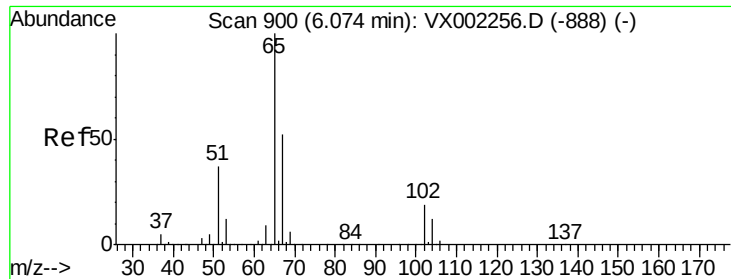
Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Tgt Ion:	97	Resp:	254432
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.6	77.4
61	45.9	36.4	54.6





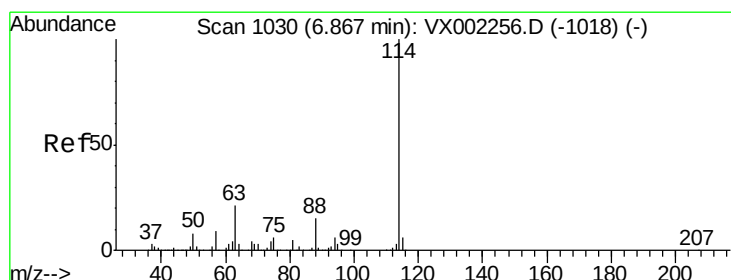
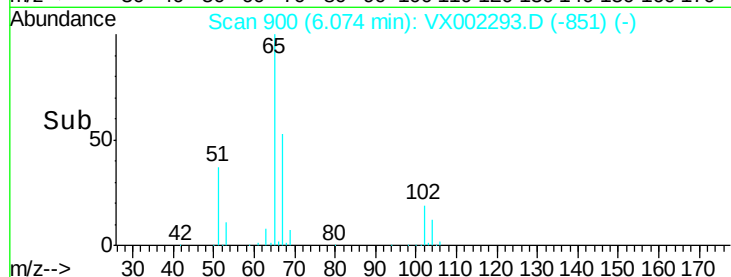
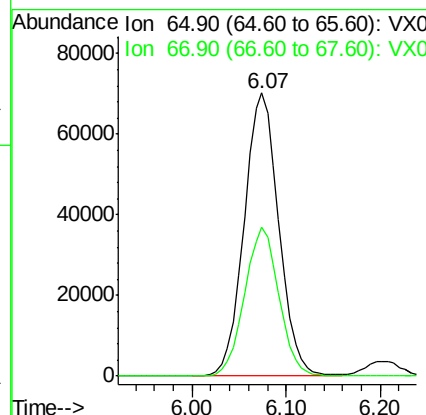
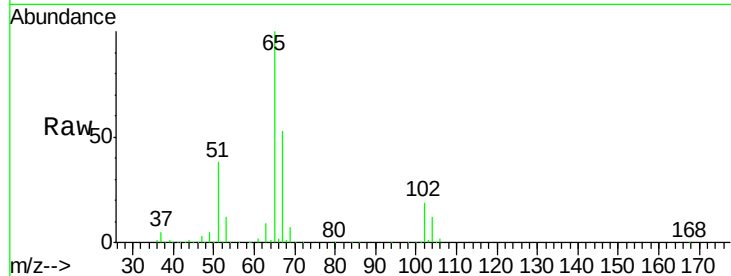
#33
 1,2-Dichloroethane-d4
 Concen: 46.460 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	180860		
67	52.1	0.0	102.6	

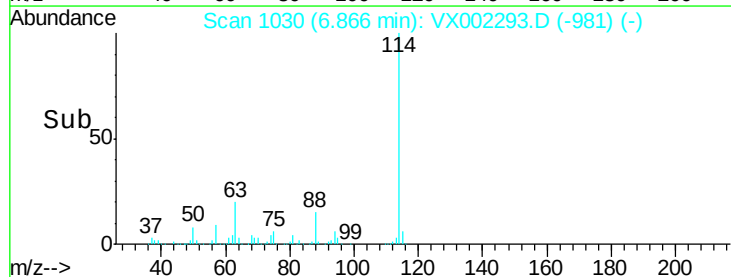
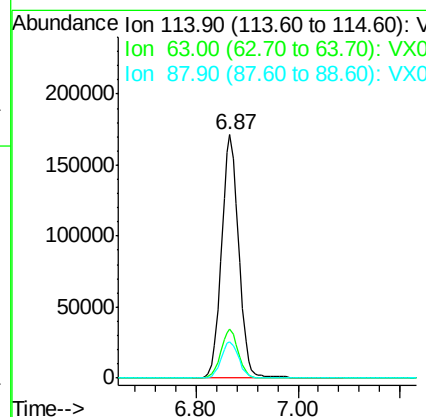
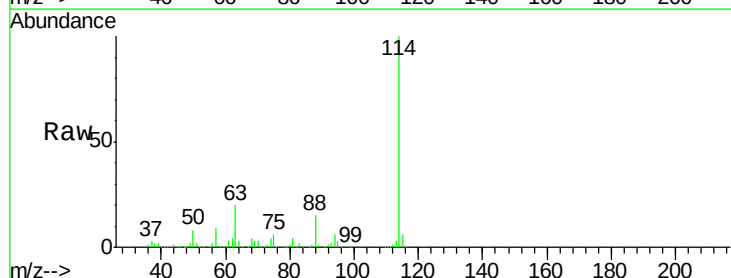
Manual Integrations
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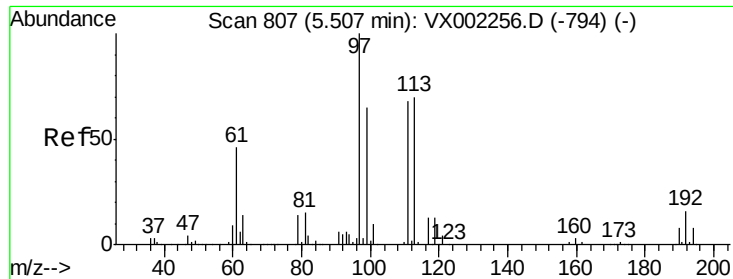
MMDadoda
 6/5/2018 5:56:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401461		
63	20.3	0.0	41.4	
88	14.8	0.0	30.0	





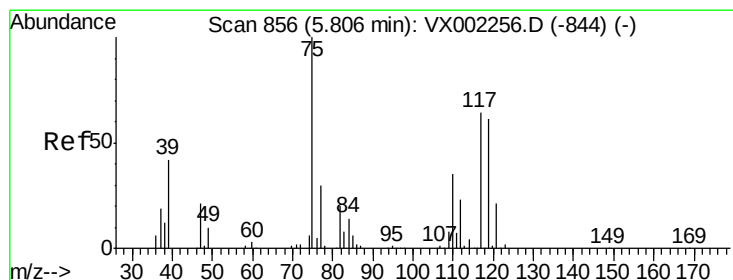
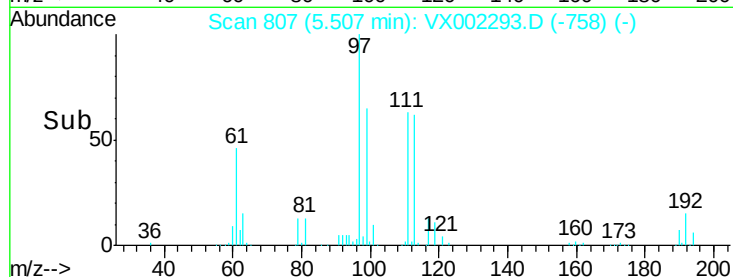
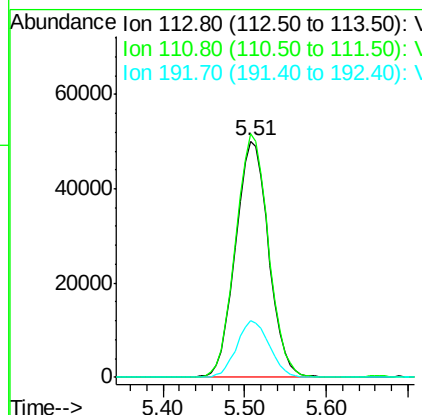
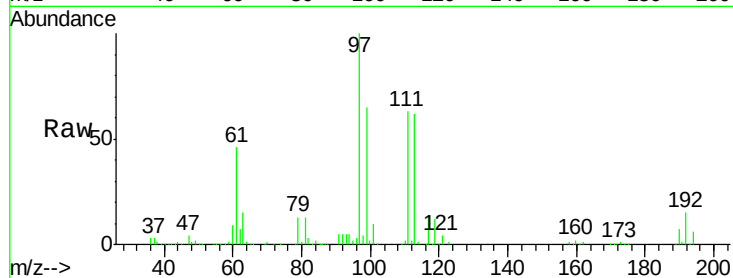
#35
 Dibromofluoromethane
 Concen: 44.623 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140881		
111	102.4	81.4	122.0	
192	23.7	19.1	28.7	

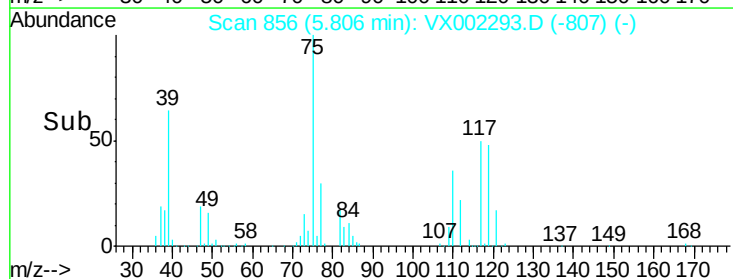
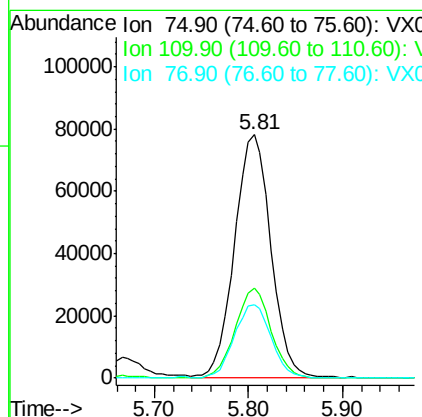
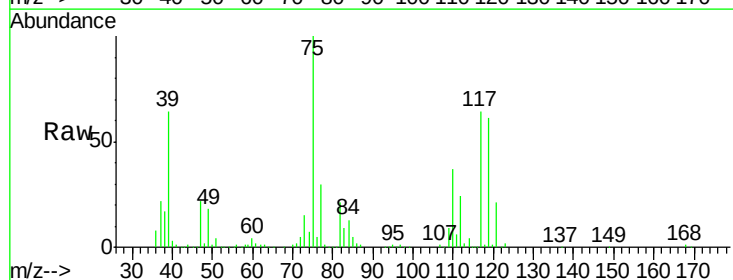
Manual Integrations
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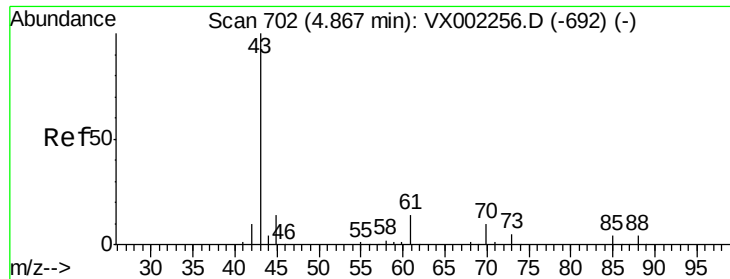
MMDadoda
 6/5/2018 5:56:13 PM



#36
 1,1-Dichloropropene
 Concen: 49.379 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	208405		
110	36.9	18.1	54.4	
77	30.7	24.3	36.5	





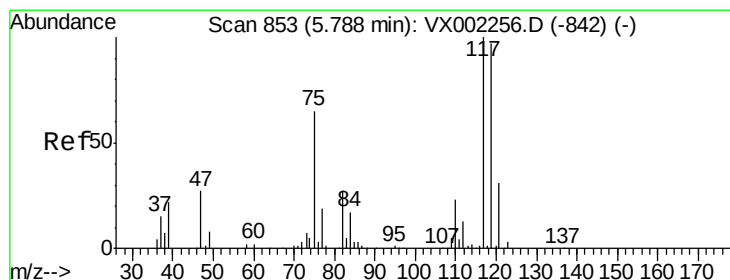
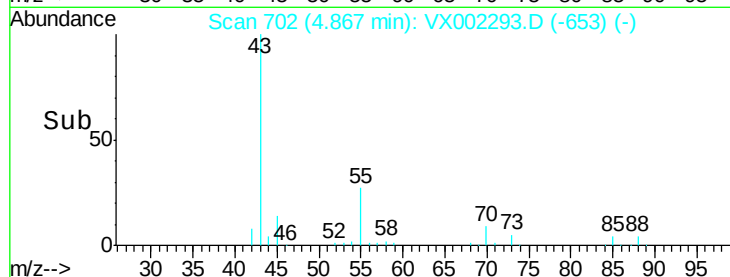
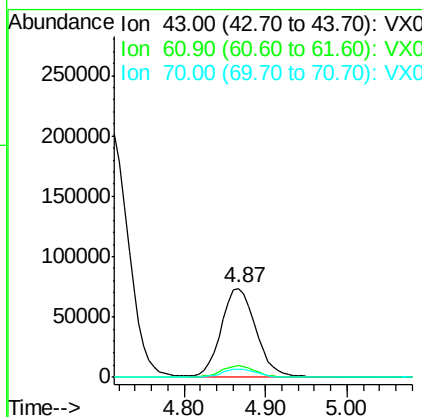
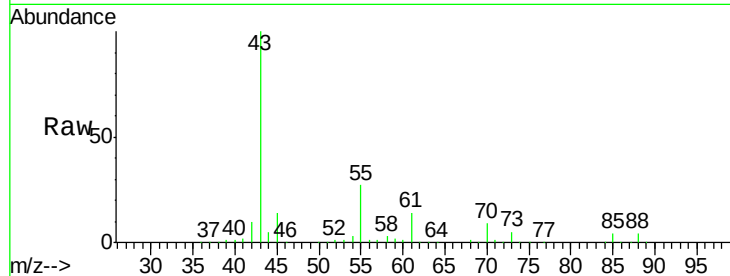
#37
Ethyl Acetate
Concen: 42.554 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Instrument :
MSVOA_X
ClientSampleId :
SS052MW750-180531MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	9.5	7.6	11.4

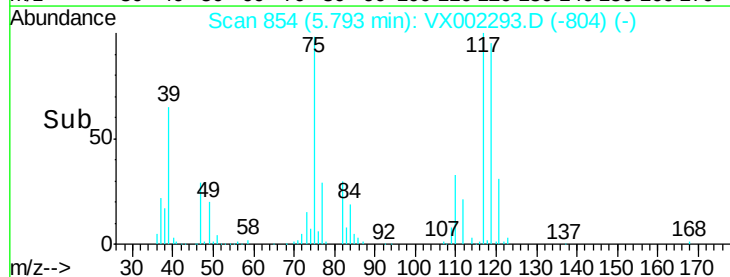
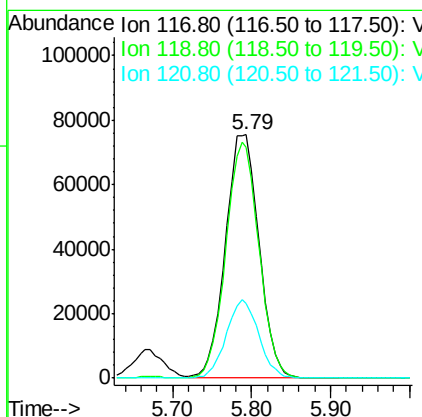
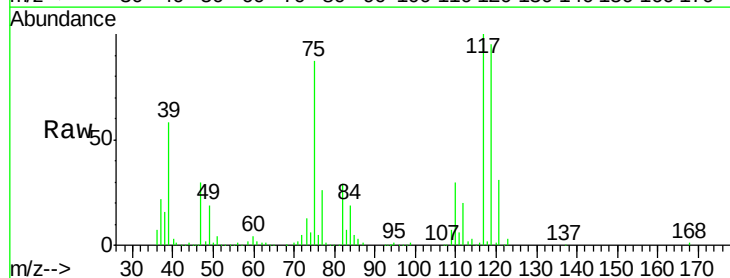
Manual Integrations
APPROVED

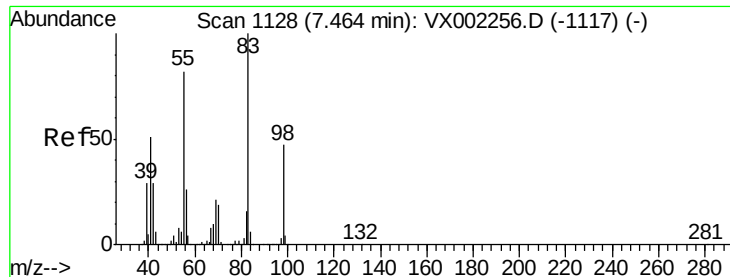
MMDadoda
6/5/2018 5:56:13 PM



#38
Carbon Tetrachloride
Concen: 50.718 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.01 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.4	116.0
121	30.8	24.4	36.6





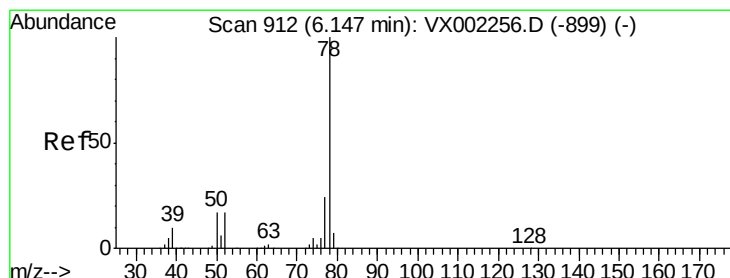
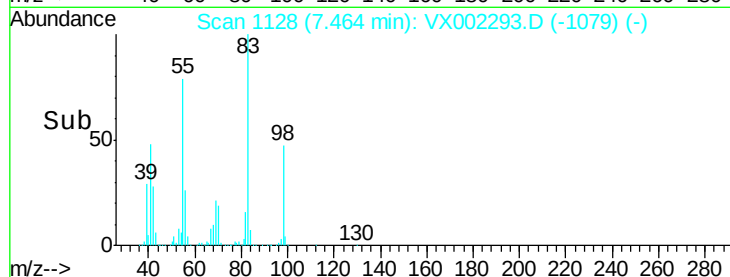
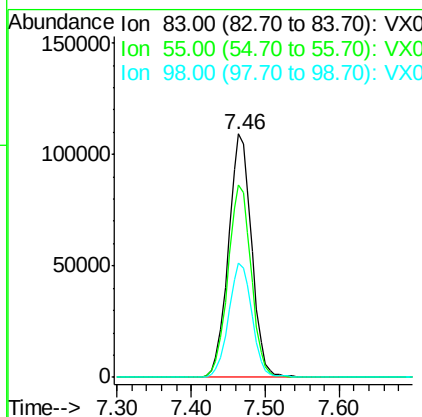
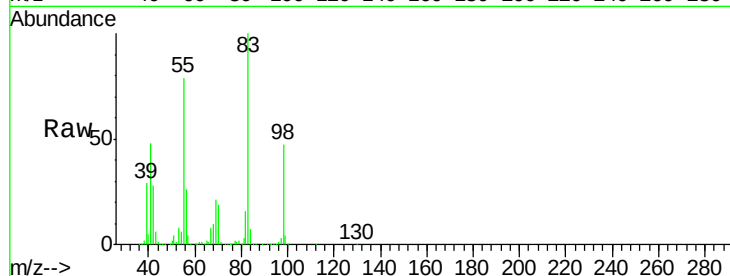
#39
Methylvlcyclohexane
Concen: 45.623 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Instrument :
MSVOA_X
ClientSampleId :
SS052MW750-180531MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	65.4	98.0
98	47.0	37.4	56.0

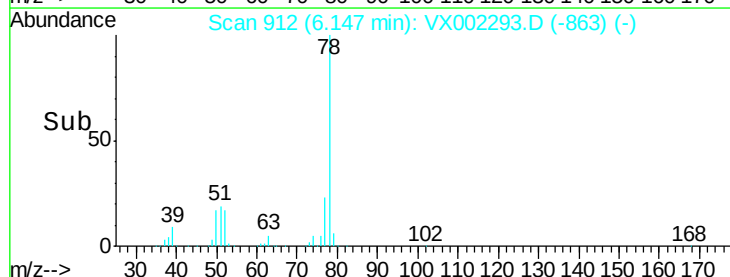
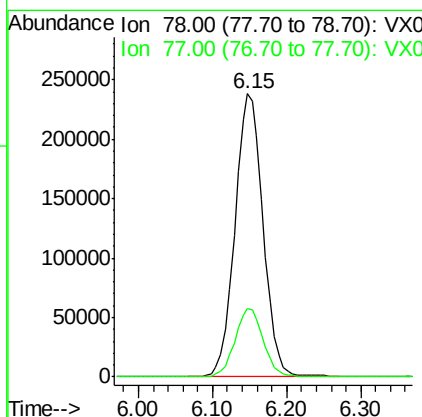
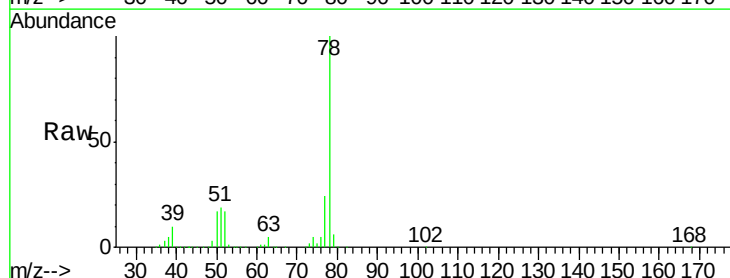
Manual Integrations
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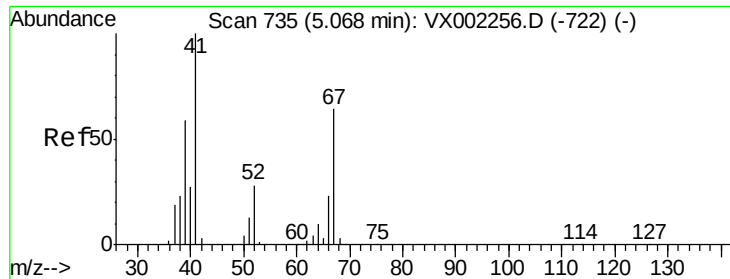
MMDadoda
6/5/2018 5:56:13 PM



#40
Benzene
Concen: 48.595 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





#41

Methacrylonitrile

Concen: 46.929 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

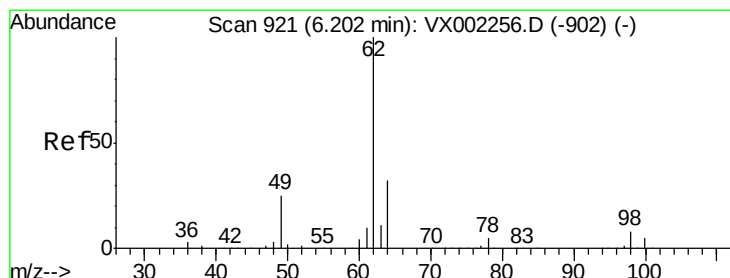
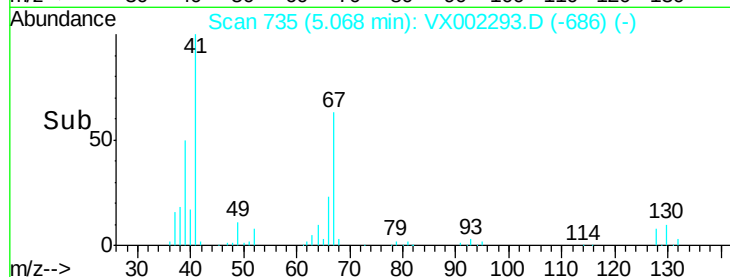
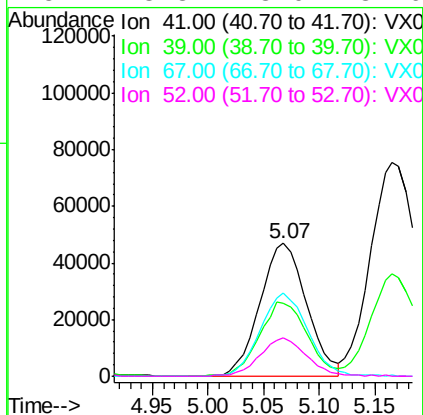
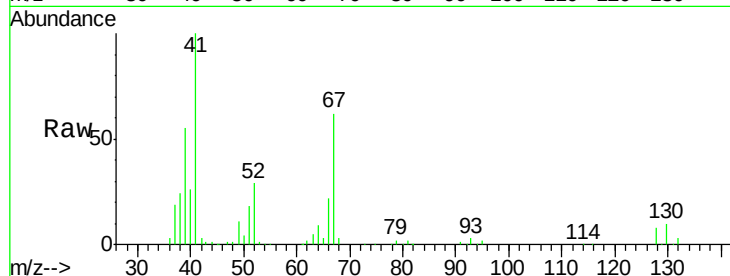
ClientSampleId :

SS052MW750-180531MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.7	45.8	68.6
67	64.4	51.3	76.9
52	28.3	23.0	34.6

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:13 PM



#42

1,2-Dichloroethane

Concen: 47.970 ug/l

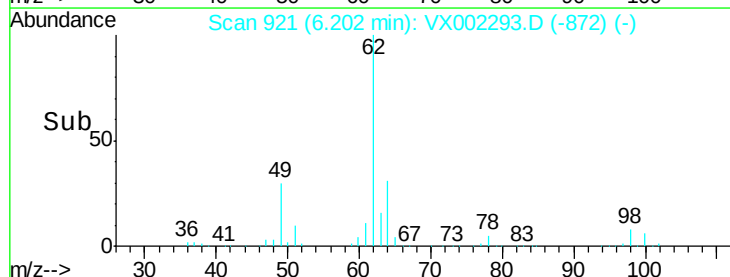
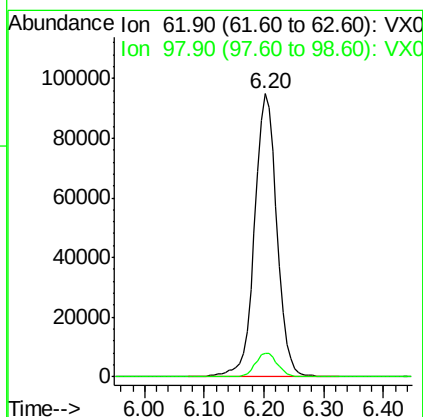
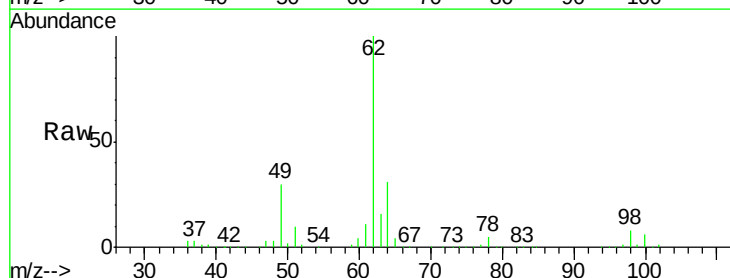
RT: 6.20 min Scan# 921

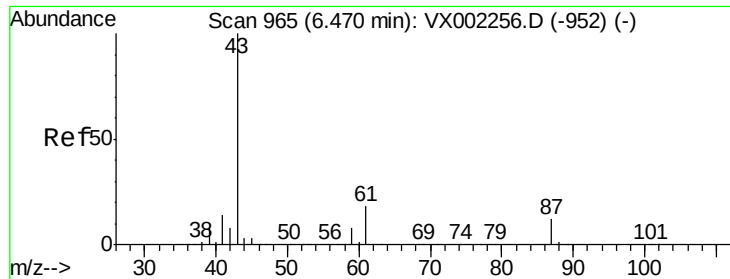
Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





#43

Isopropyl Acetate

Concen: 44.106 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

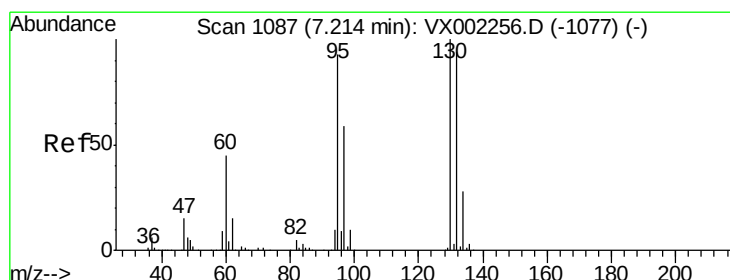
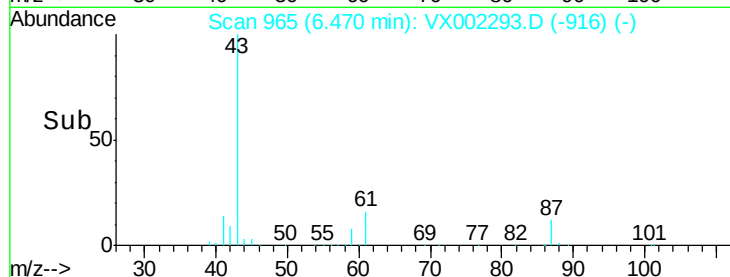
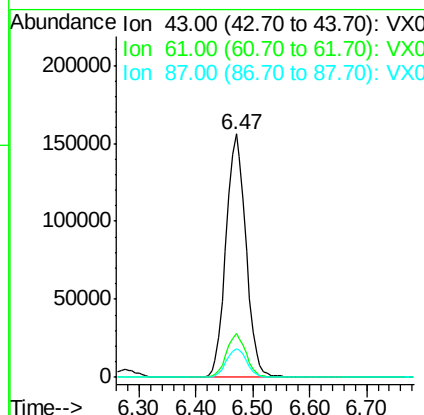
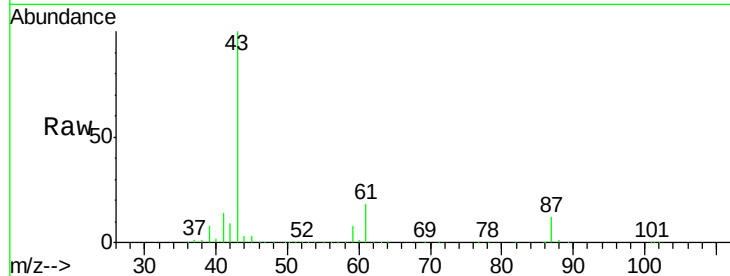
ClientSampleId :

SS052MW750-180531MSD

Tot Ion:	43	Resp:	380237
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.4	21.6
87	12.0	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 50.807 ug/l

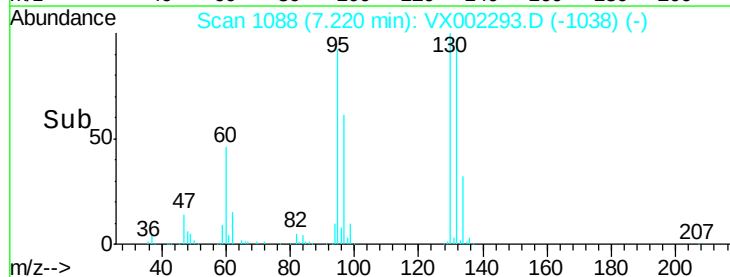
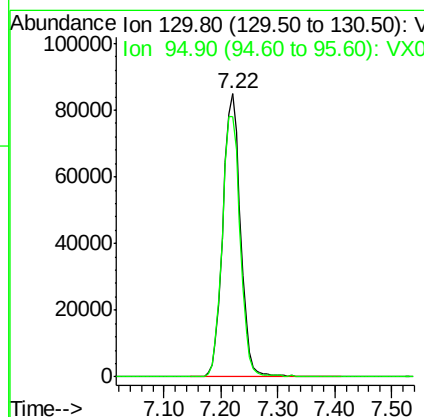
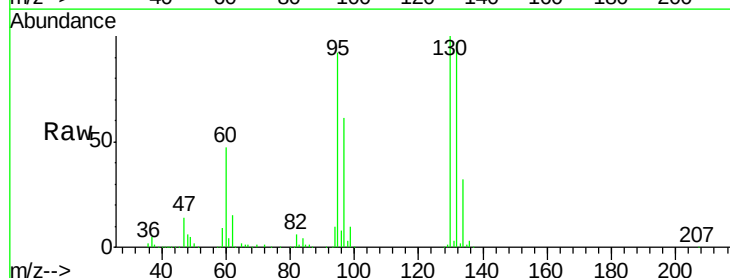
RT: 7.22 min Scan# 1088

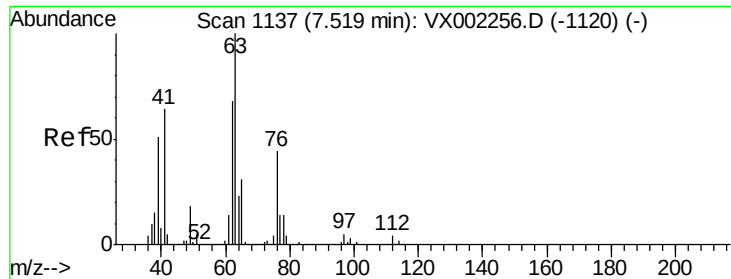
Delta R.T. 0.01 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Tgt Ion:	130	Resp:	182477
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	185.4





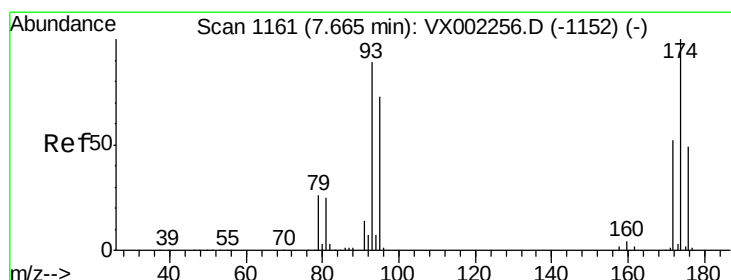
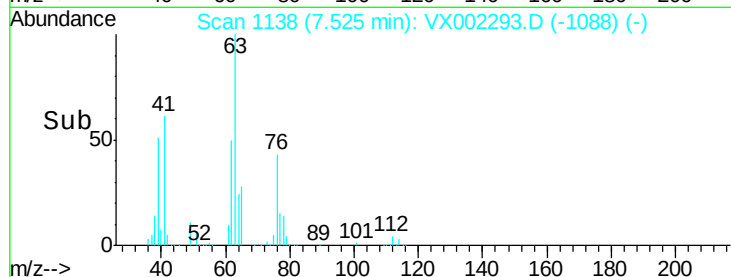
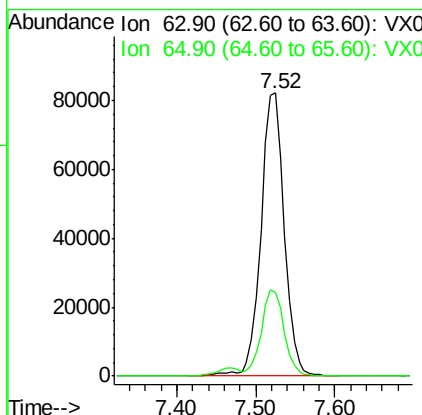
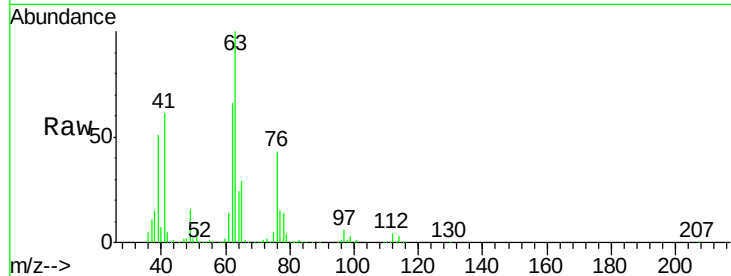
#45
 1,2-Dichloropropane
 Concen: 48.291 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion: 63 Resp: 168707
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.7 37.1

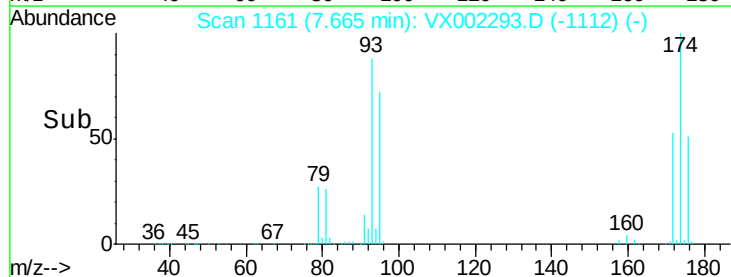
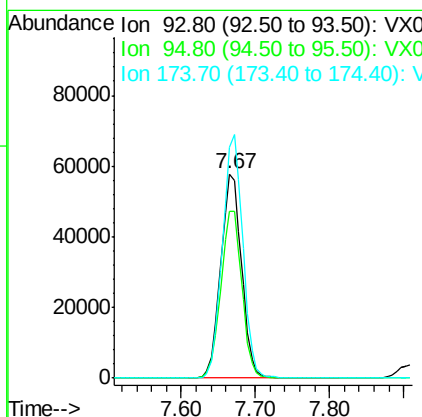
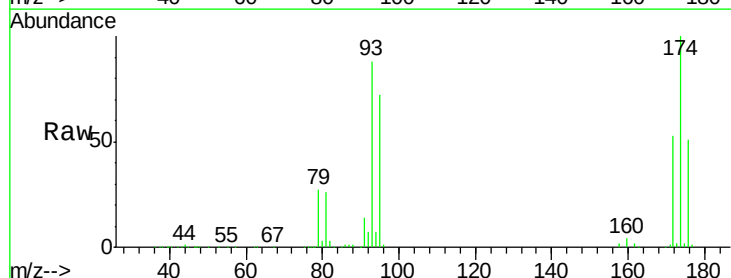
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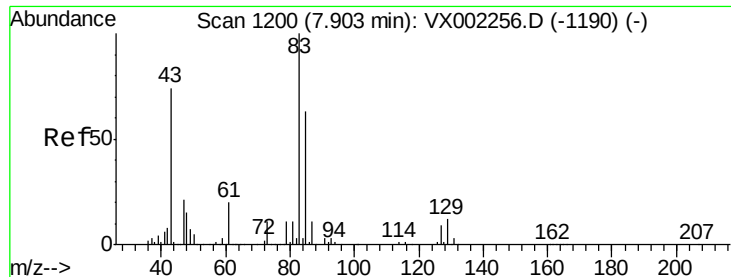
MMDadoda
 6/5/2018 5:56:13 PM



#46
 Dibromomethane
 Concen: 47.391 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion: 93 Resp: 112235
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.9 98.9
 174 117.1 92.4 138.6





#47

Bromodichloromethane

Concen: 48.896 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

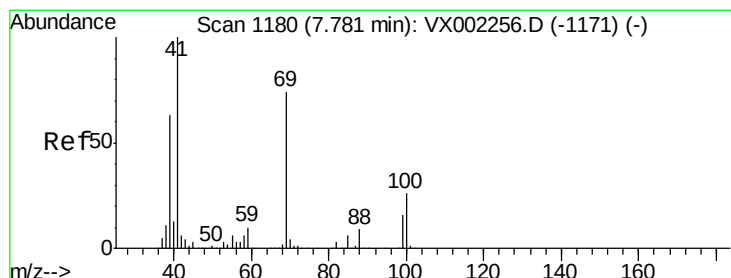
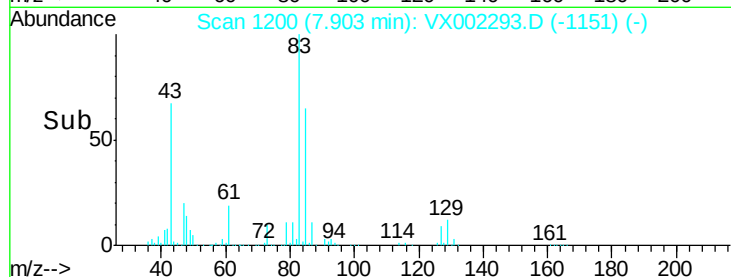
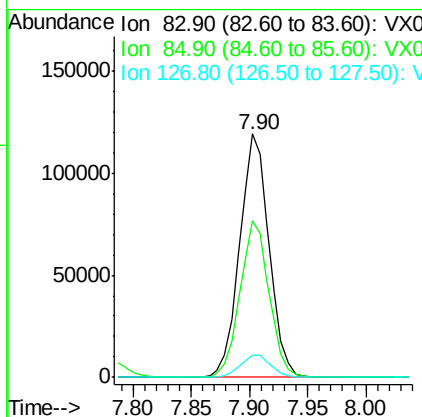
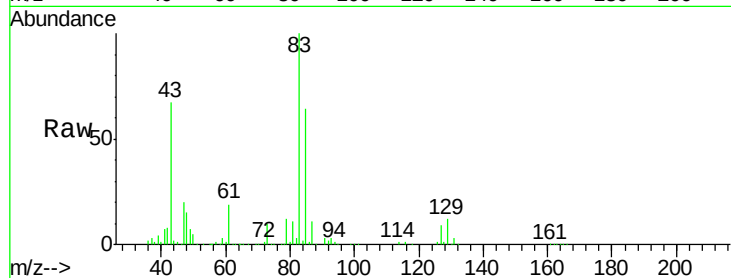
ClientSampleId :

SS052MW750-180531MSD

Tot Ion:	83	Resp:	209437
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.3	75.5
127	8.9	7.0	10.4

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 47.319 ug/l

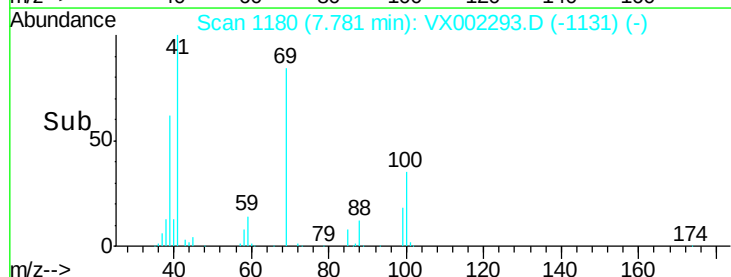
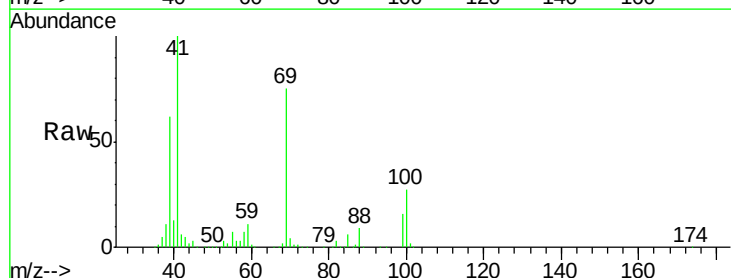
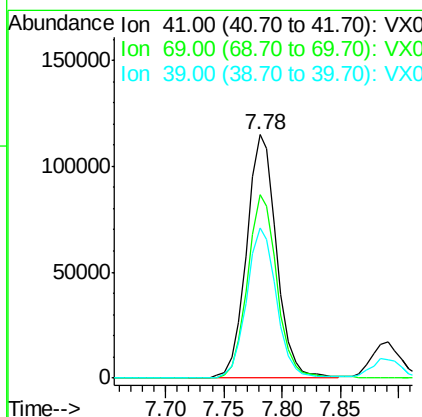
RT: 7.78 min Scan# 1180

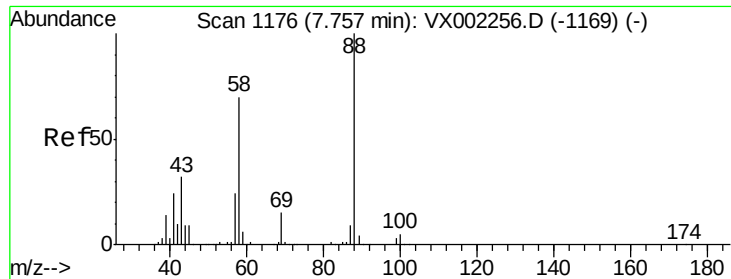
Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Tgt Ion:	41	Resp:	204912
Ion	Ratio	Lower	Upper
41	100		
69	74.9	59.1	88.7
39	61.4	48.9	73.3





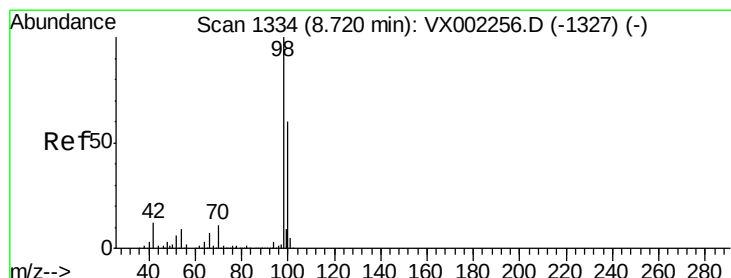
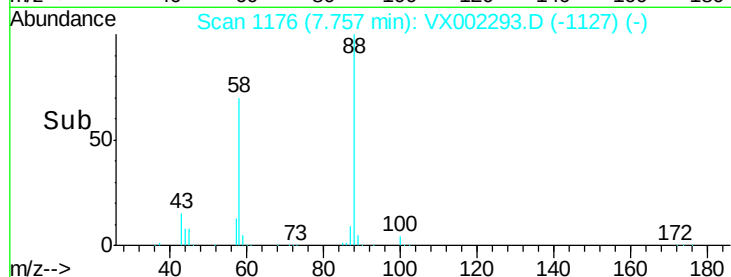
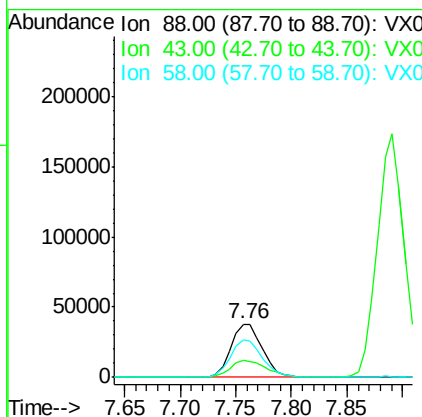
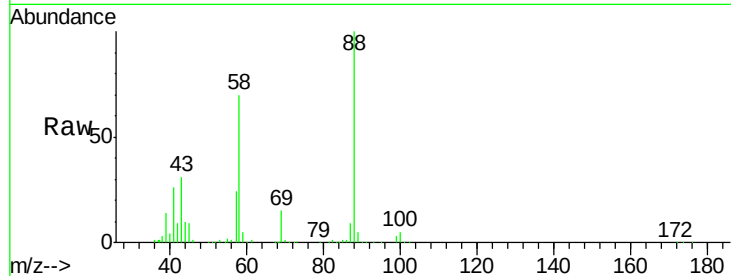
#49
1,4-Dioxane
Concen: 912.739 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Instrument :
MSVOA_X
ClientSampleId :
SS052MW750-180531MSD

Tot Ion	88	Resp	73903
Ion	Ratio	Lower	Upper
88	100		
43	36.7	29.8	44.6
58	72.0	57.1	85.7

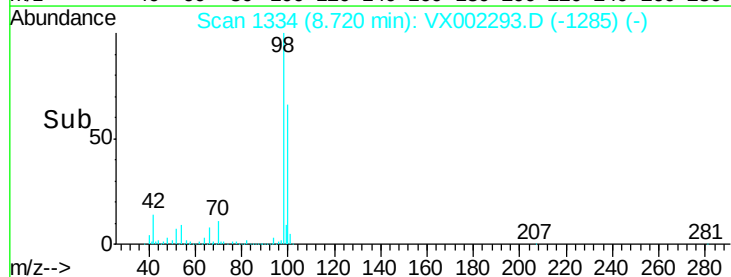
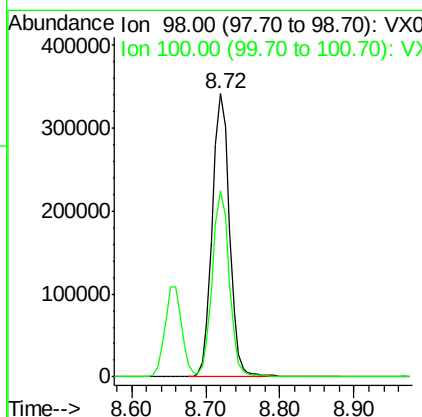
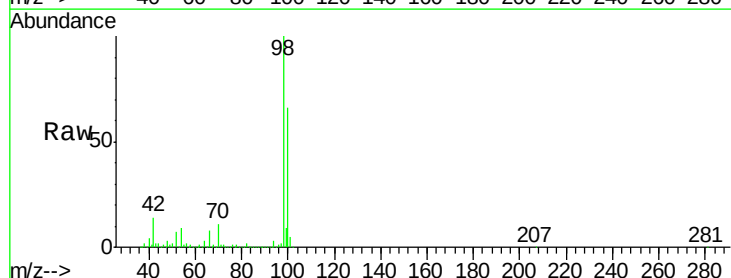
Manual Integrations
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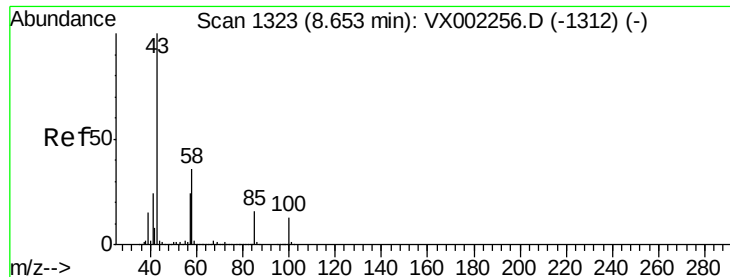
MMDadoda
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#50
Toluene-d8
Concen: 44.983 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Tgt Ion	98	Resp	544339
Ion	Ratio	Lower	Upper
98	100		
100	64.8	50.9	76.3





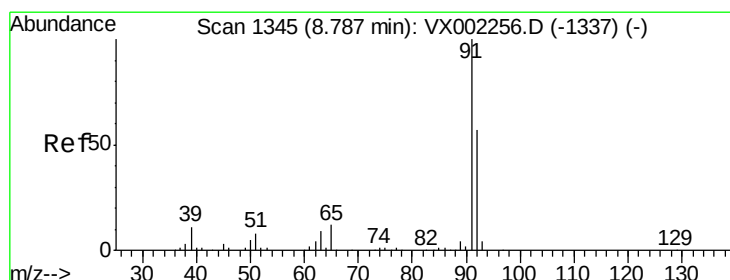
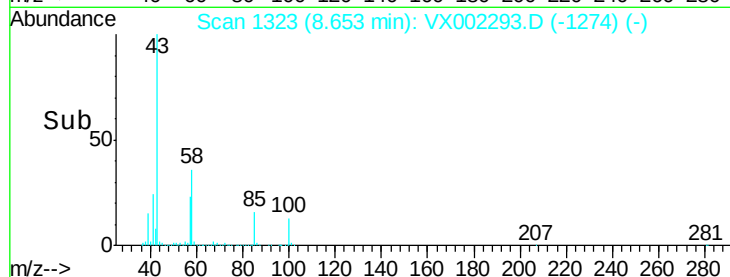
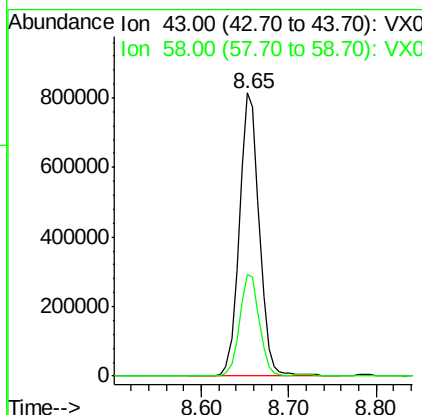
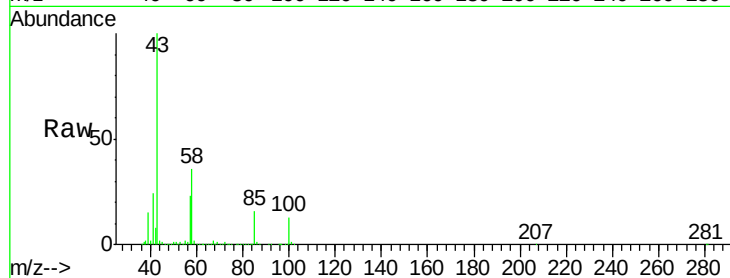
#51
4-Methyl-2-Pentanone
Concen: 240.657 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Instrument :
MSVOA_X
ClientSampleId :
SS052MW750-180531MSD

Tot Ion: 43 Resp: 1292011
Ion Ratio Lower Upper
43 100
58 35.7 28.6 42.8

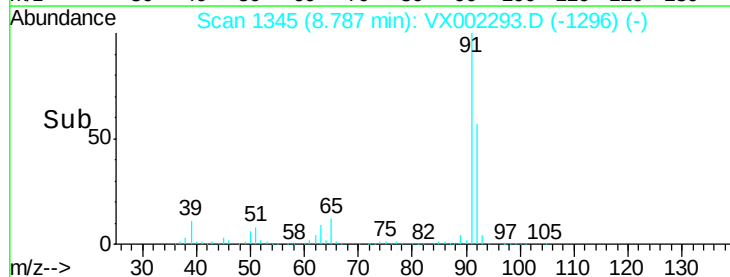
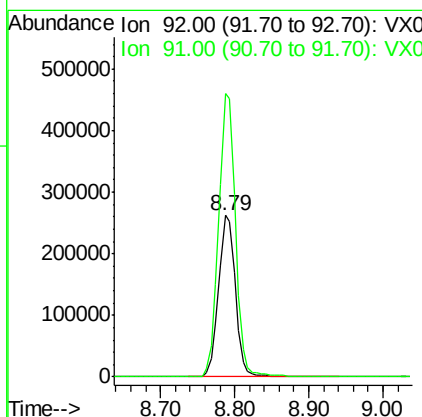
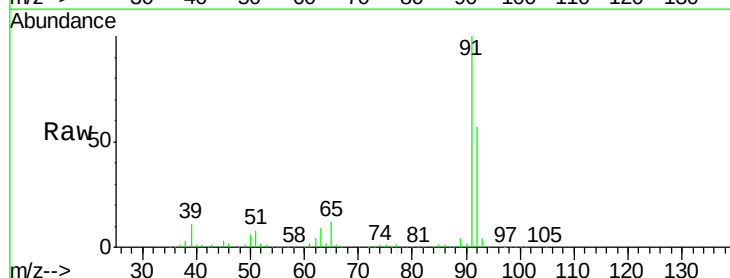
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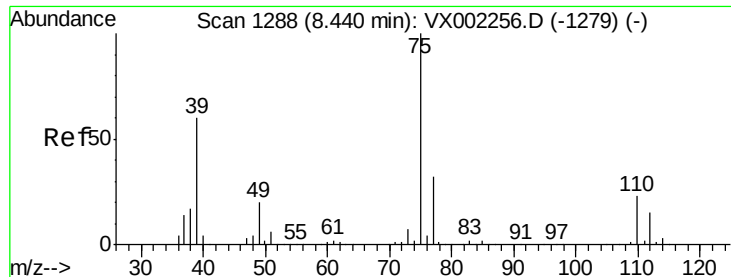
MMDadoda
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#52
Toluene
Concen: 49.834 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Tgt Ion: 92 Resp: 410159
Ion Ratio Lower Upper
92 100
91 175.8 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 46.269 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

ClientSampleId :

SS052MW750-180531MSD

Tot Ion: 75 Resp: 237664

Ion Ratio Lower Upper

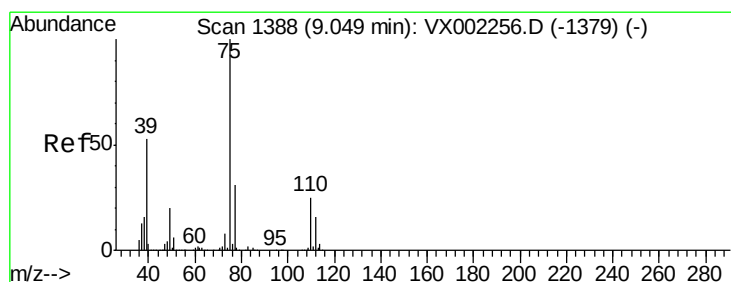
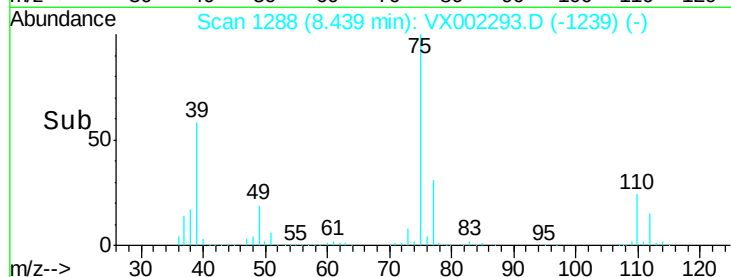
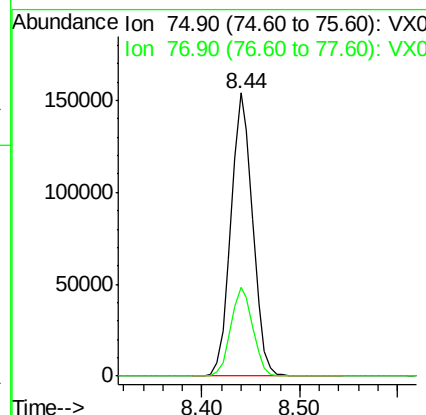
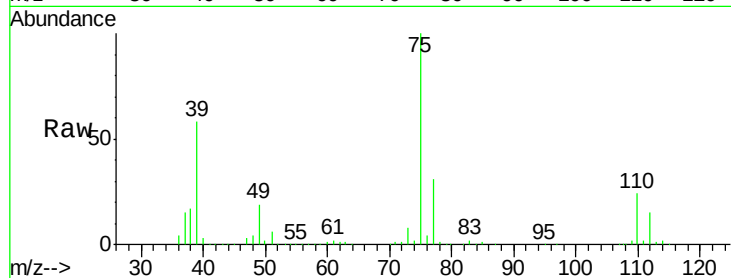
75 100

77 31.3 25.4 38.2

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 46.348 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

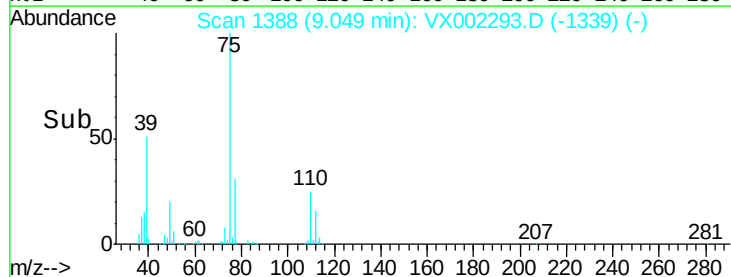
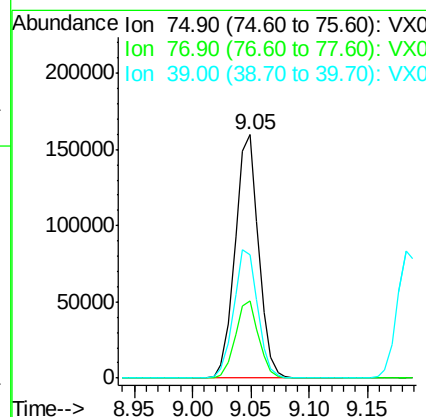
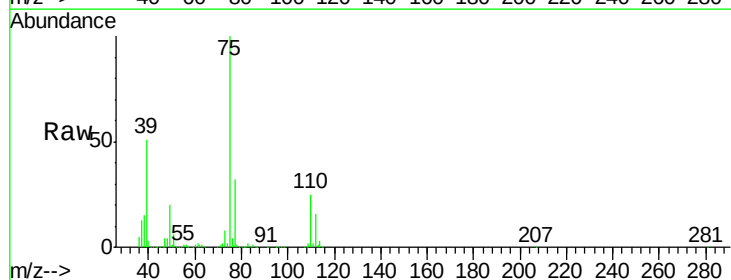
Tgt Ion: 75 Resp: 224607

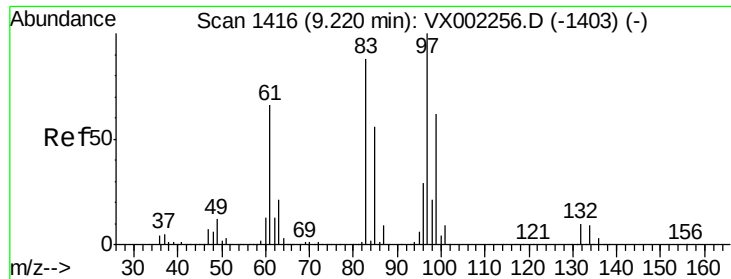
Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 50.8 42.4 63.6





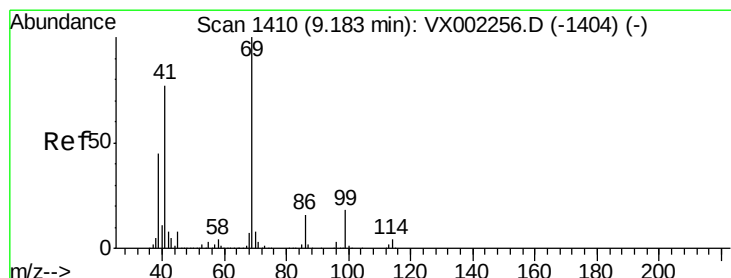
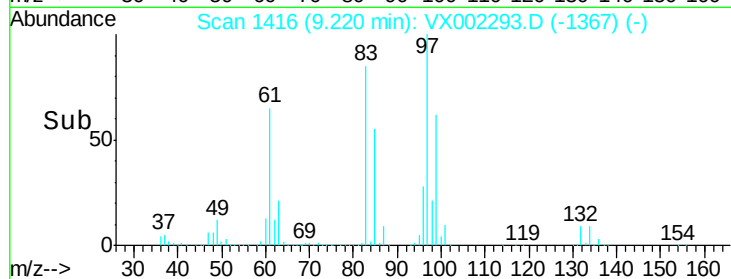
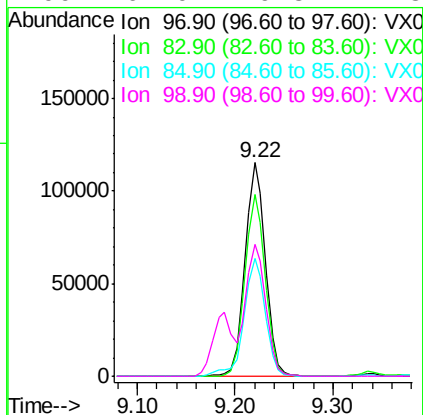
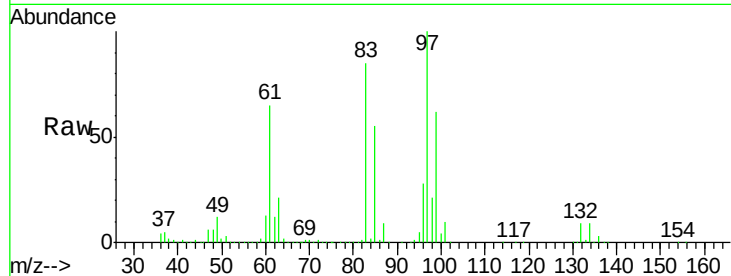
#55
 1,1,2-Trichloroethane
 Concen: 49.242 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion:	97	Resp:	166691
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.2	105.2
85	55.0	44.9	67.3
99	62.0	49.8	74.8

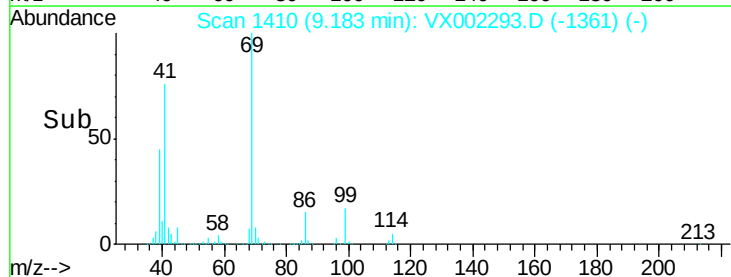
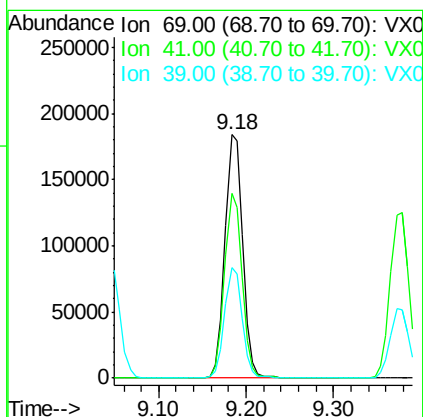
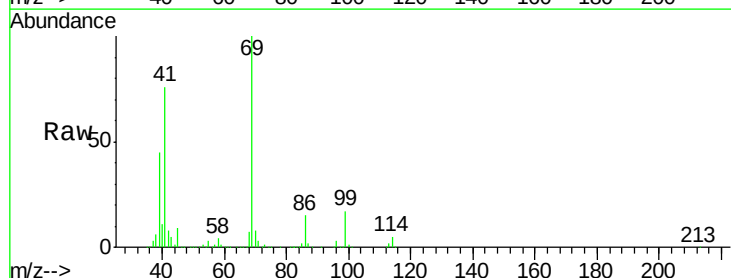
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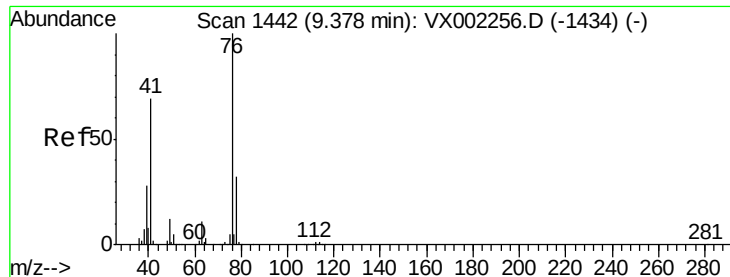
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 6/5/2018 5:56:13 PM



#56
 Ethyl methacrylate
 Concen: 47.917 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion:	69	Resp:	258969
Ion	Ratio	Lower	Upper
69	100		
41	74.6	60.3	90.5
39	44.7	35.8	53.8





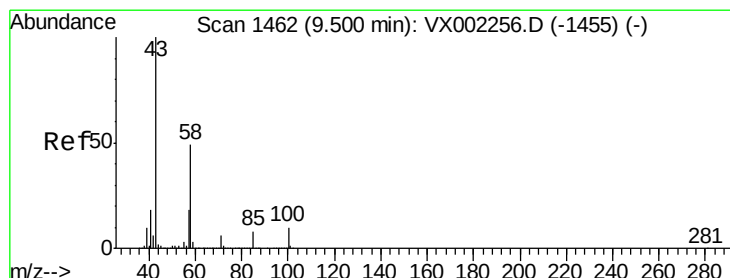
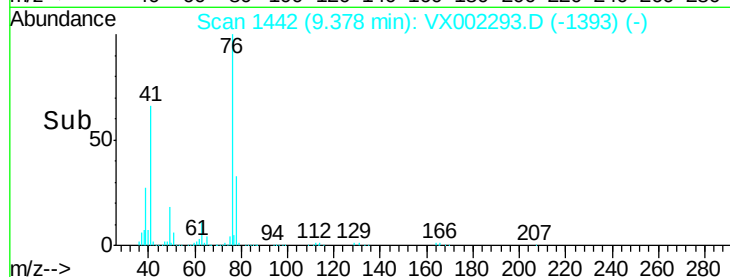
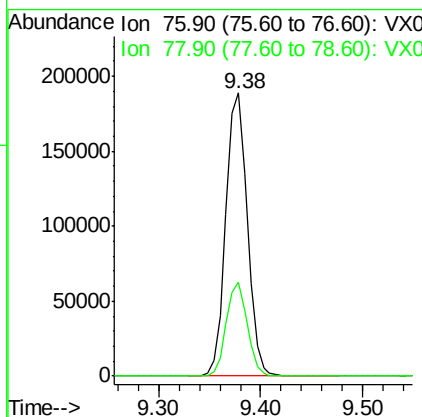
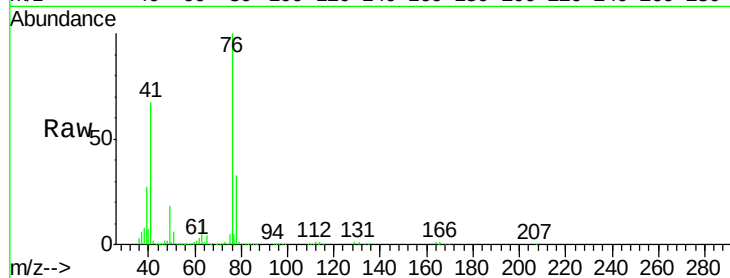
#57
 1,3-Dichloropropane
 Concen: 48.499 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

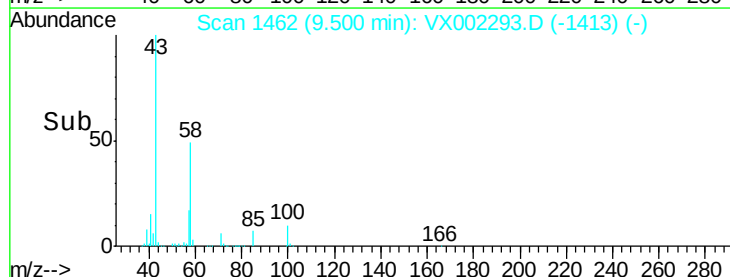
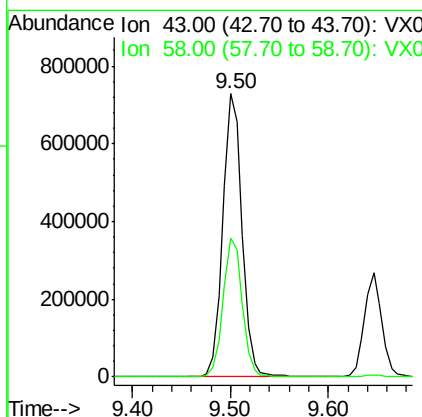
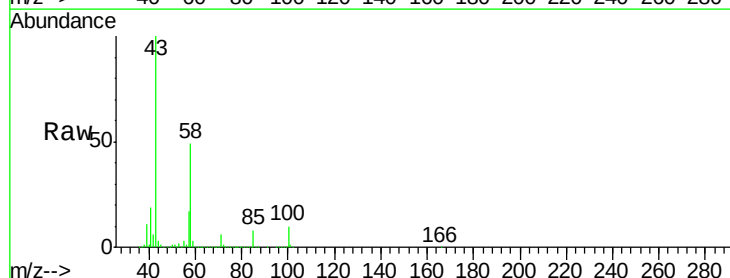
Manual Integrations
 APPROVED

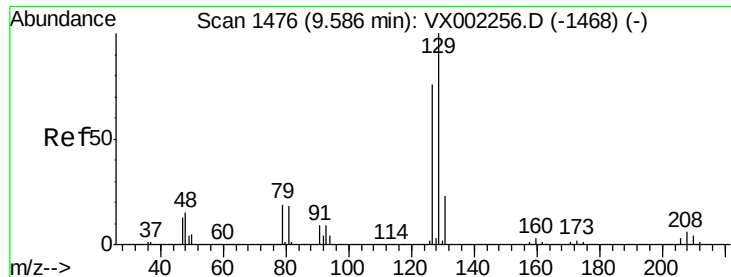
MMDadoda
 6/5/2018 5:56:13 PM



#59
 2-Hexanone
 Concen: 238.823 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.6	73.6





#60

Dibromochloromethane

Concen: 50.068 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

ClientSampleId :

SS052MW750-180531MSD

Tot Ion:129 Resp: 170479

Ion Ratio Lower Upper

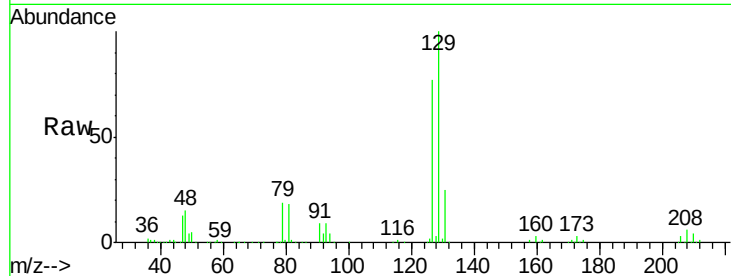
129 100

127 77.2 38.5 115.3

Manual Integrations
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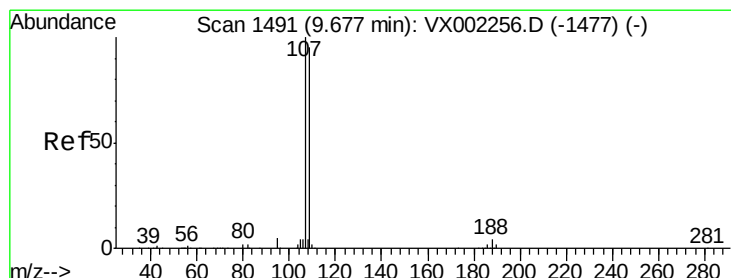
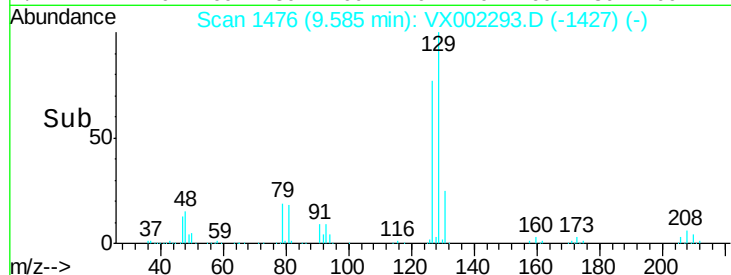
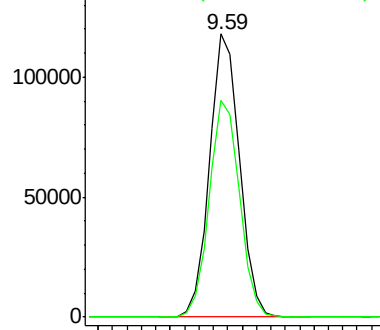
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.258 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002293.D

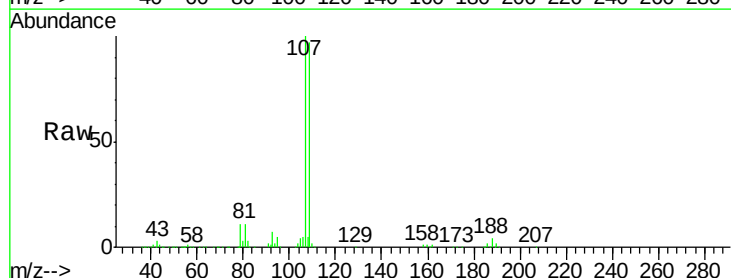
Acq: 05 Jun 2018 06:45

Tgt Ion:107 Resp: 173861

Ion Ratio Lower Upper

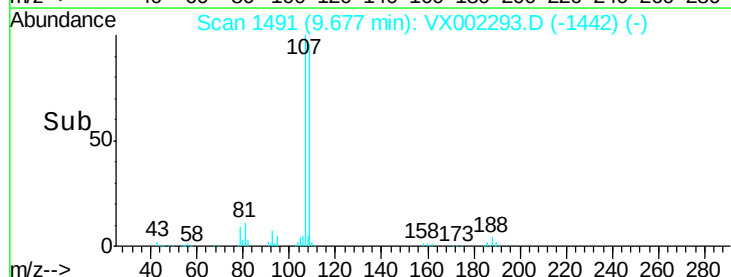
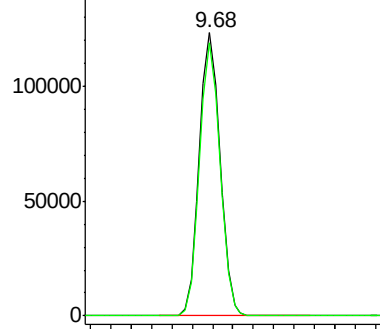
107 100

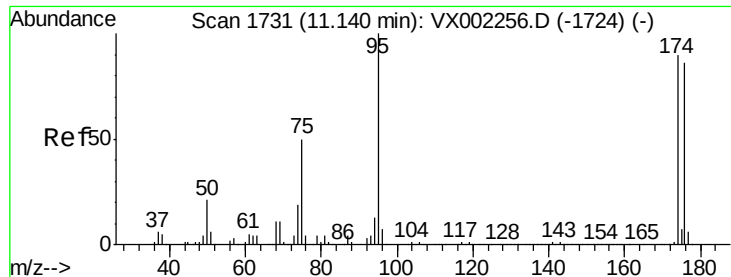
109 95.2 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 44.463 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

ClientSampleId :

SS052MW750-180531MSD

Tot Ion: 95 Resp: 207479

Ion Ratio Lower Upper

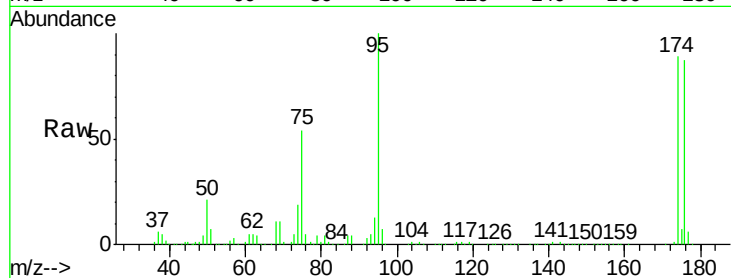
95 100

174 95.3 0.0 187.4

176 93.2 0.0 181.0

Manual Integrations
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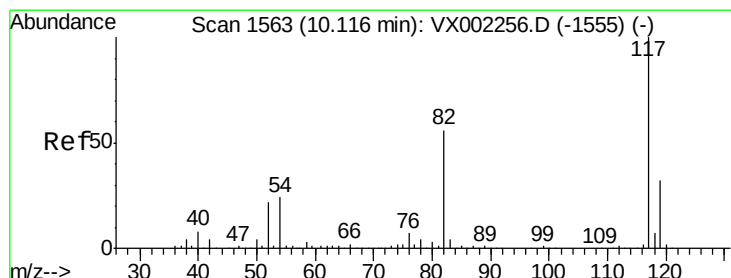
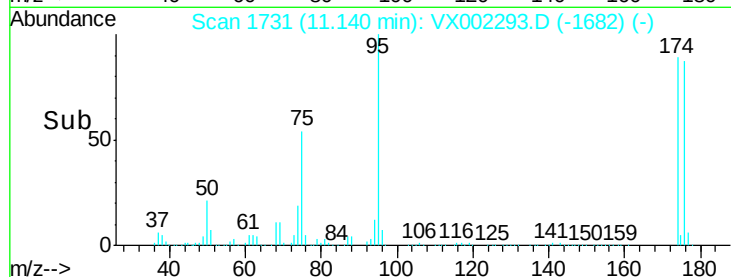
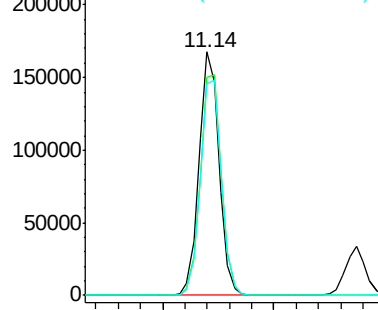
MMDadoda
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Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

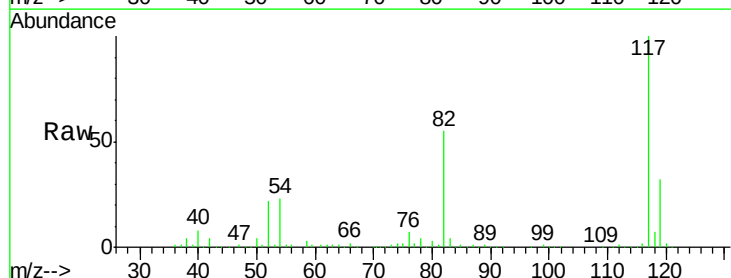
Tgt Ion: 117 Resp: 380897

Ion Ratio Lower Upper

117 100

82 55.0 45.0 67.4

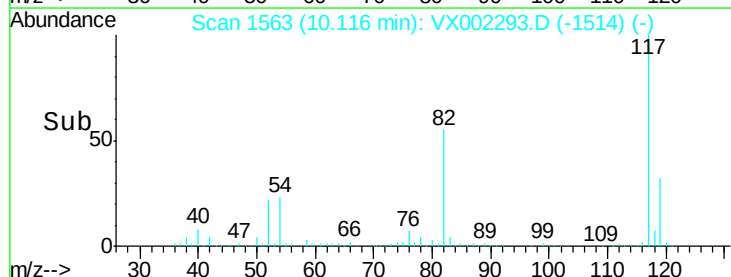
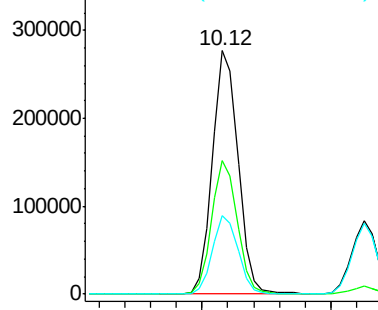
119 32.2 25.8 38.6

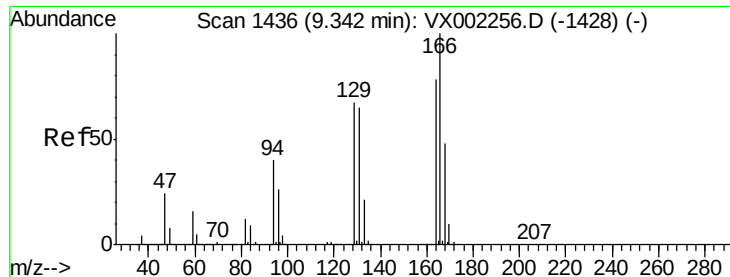


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 48.852 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

ClientSampleId :

SS052MW750-180531MSD

Tot Ion:164 Resp: 191906

Ion Ratio Lower Upper

164 100

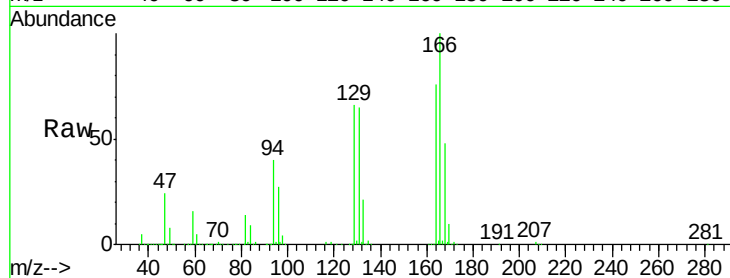
166 132.1 102.9 154.3

129 87.5 68.6 102.8

131 85.7 66.8 100.2

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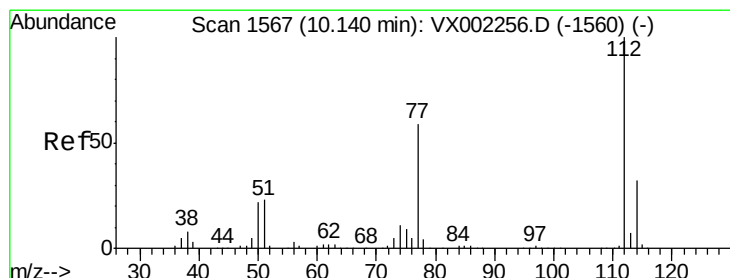
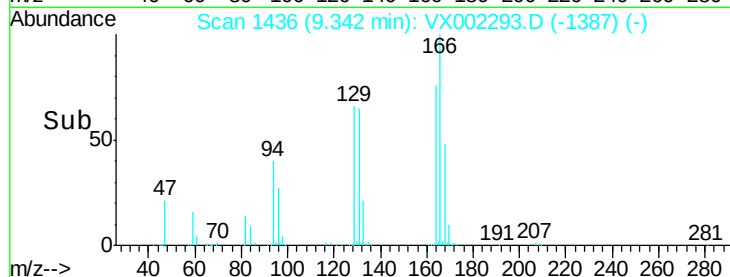
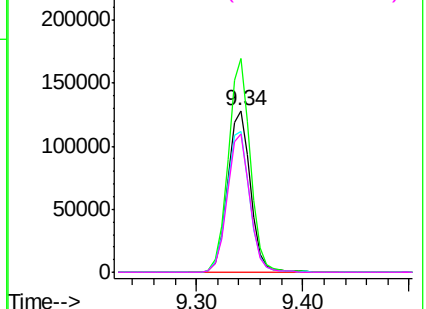
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.815 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002293.D

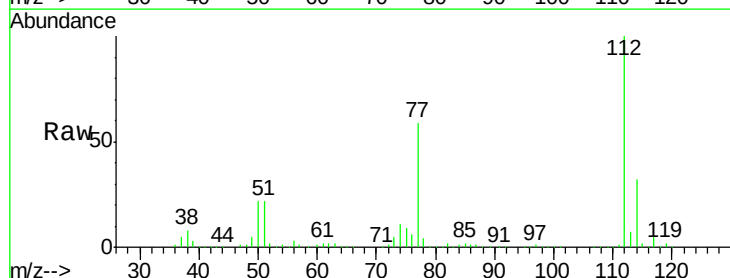
Acq: 05 Jun 2018 06:45

Tgt Ion:112 Resp: 472135

Ion Ratio Lower Upper

112 100

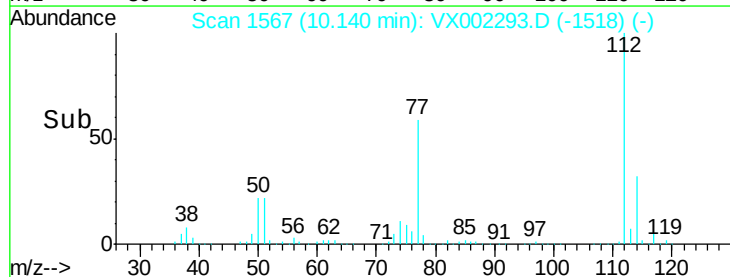
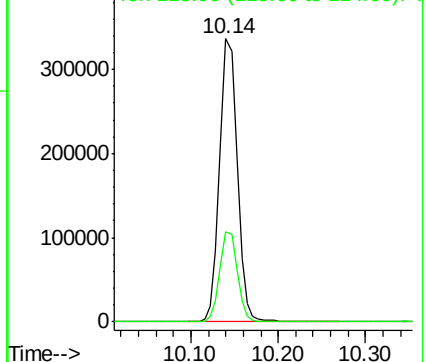
114 31.9 25.3 37.9

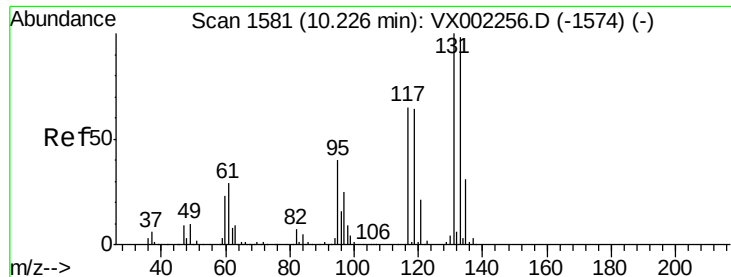


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 49.555 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

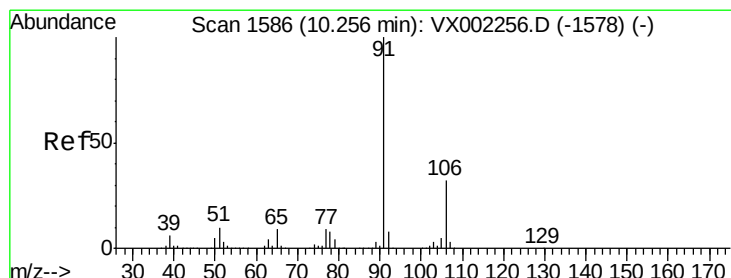
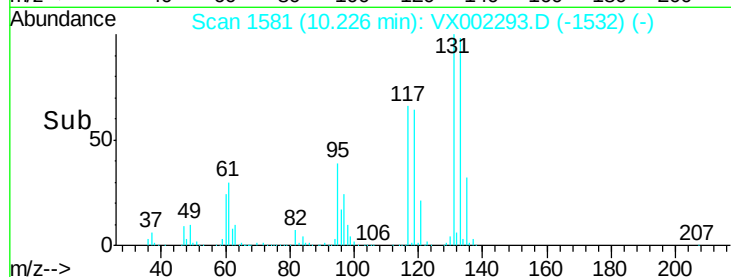
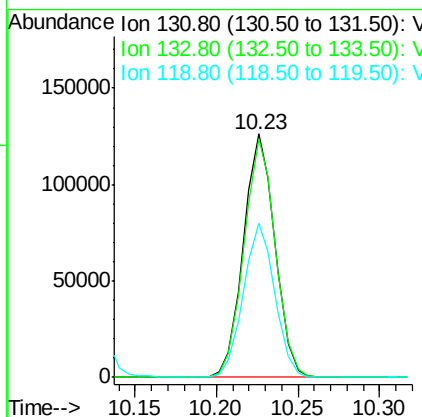
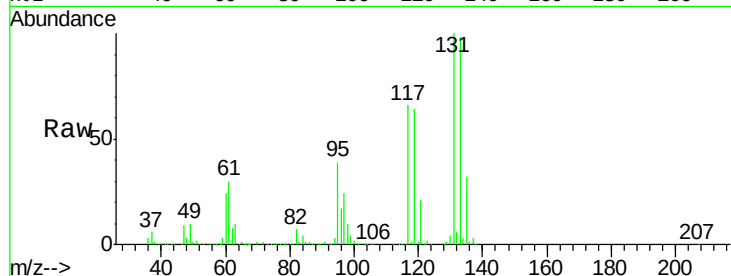
ClientSampleId :

SS052MW750-180531MSD

Tot Ion:	131	Resp:	170063
Ion Ratio	Lower	Upper	
131	100		
133	97.4	47.9	143.6
119	63.4	31.8	95.3

Manual Integrations
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#67

Ethyl Benzene

Concen: 51.509 ug/l

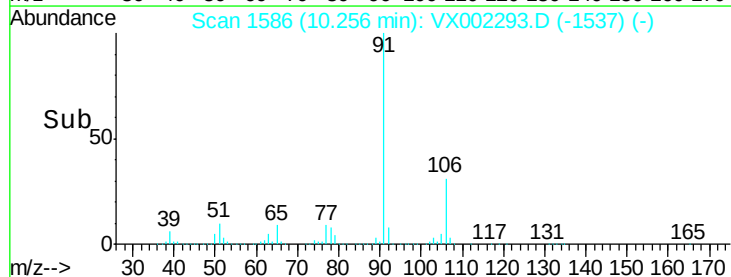
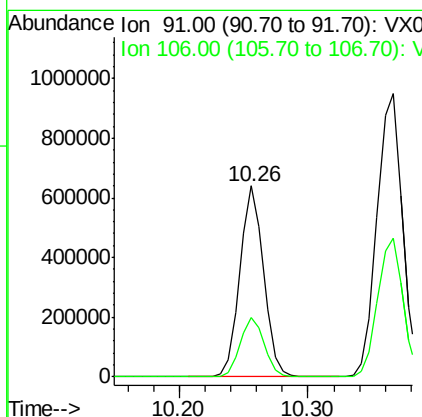
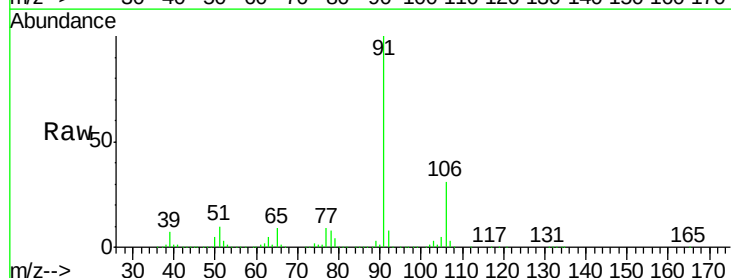
RT: 10.26 min Scan# 1586

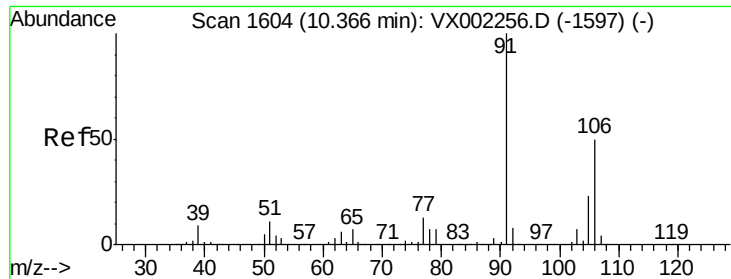
Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Tgt Ion:	91	Resp:	816998
Ion Ratio	Lower	Upper	
91	100		
106	30.8	25.5	38.3





#68

m/p-Xylenes

Concen: 102.581 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

ClientSampleId :

SS052MW750-180531MSD

Tot Ion:106 Resp: 632480

Ion Ratio Lower Upper

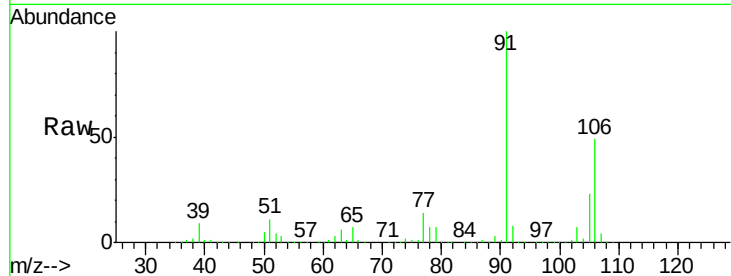
106 100

91 204.5 163.4 245.2

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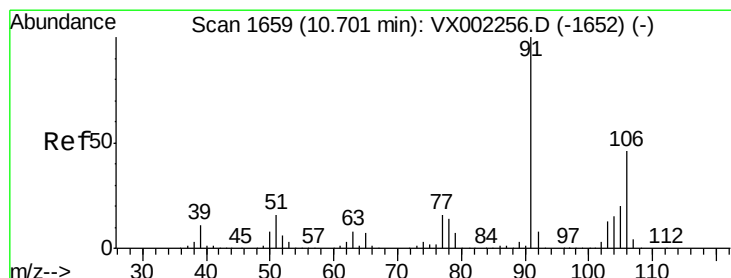
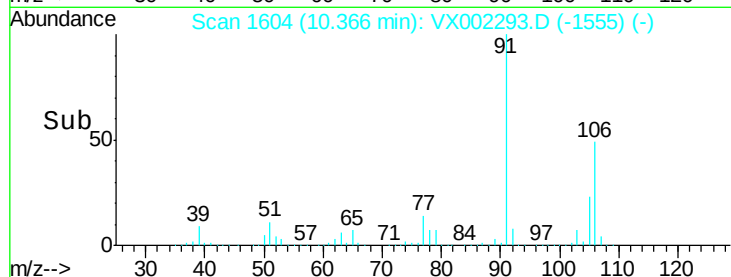
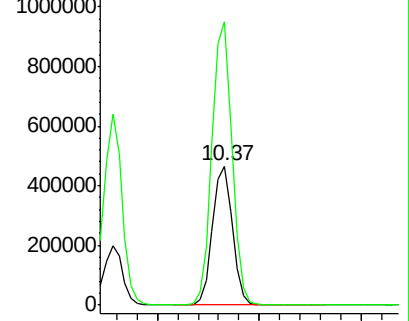
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 50.564 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX002293.D

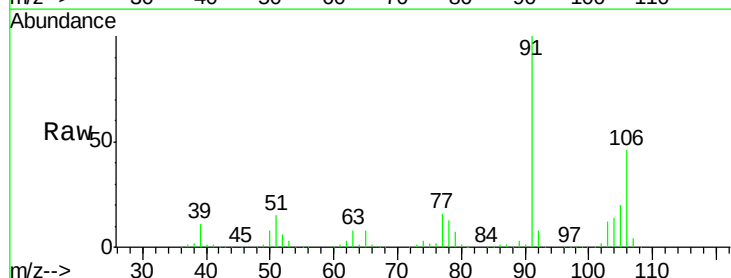
Acq: 05 Jun 2018 06:45

Tgt Ion:106 Resp: 310248

Ion Ratio Lower Upper

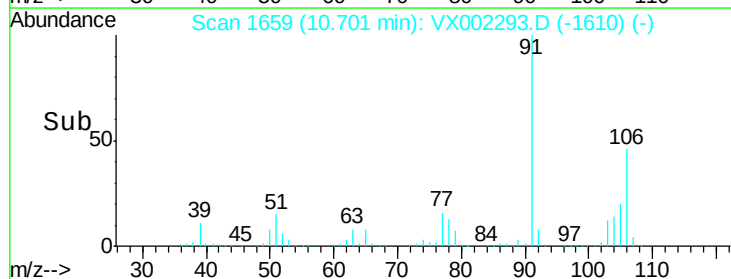
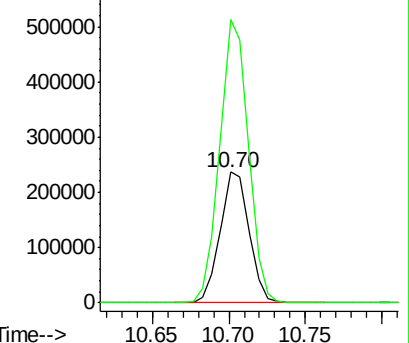
106 100

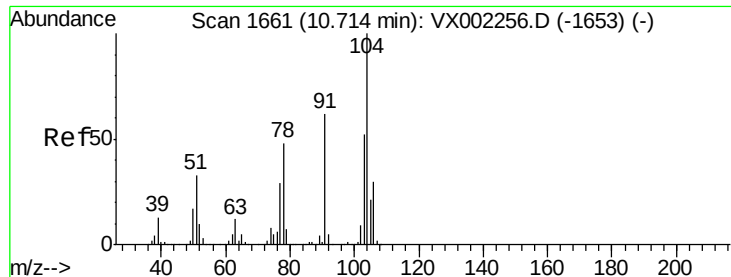
91 215.0 108.2 324.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





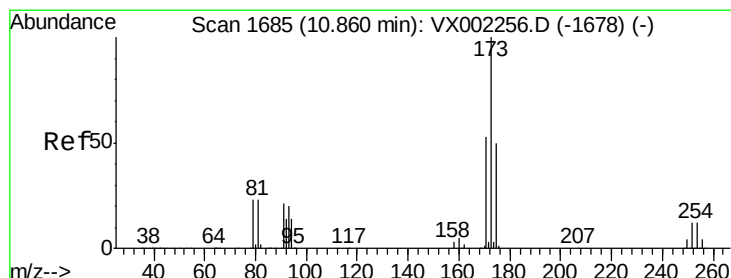
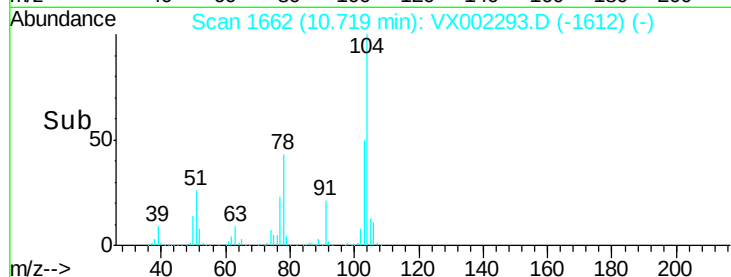
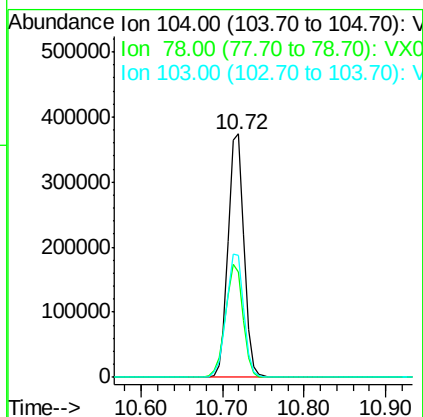
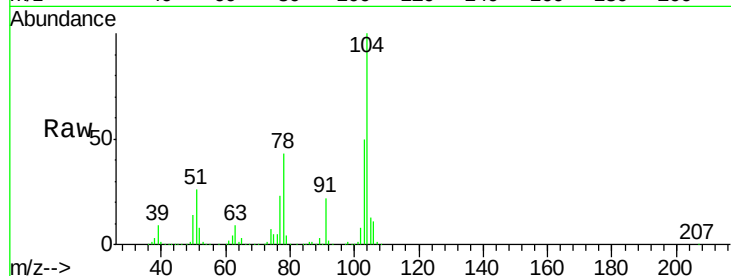
#70
Stvrene
Concen: 49.754 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Instrument :
MSVOA_X
ClientSampleId :
SS052MW750-180531MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	499068		
78	51.5		41.0	61.6
103	55.7		44.2	66.4

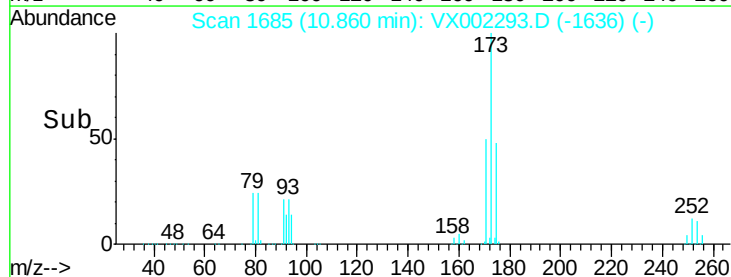
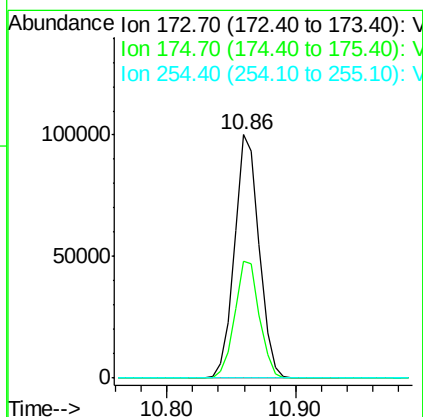
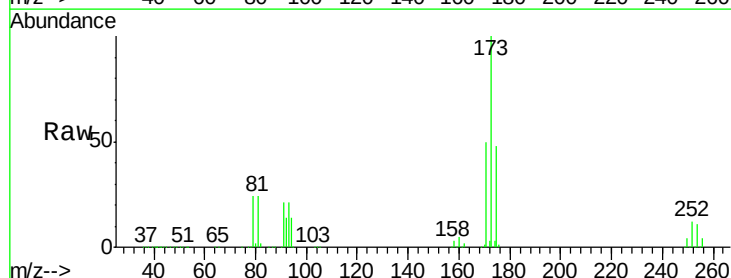
Manual Integrations
APPROVED

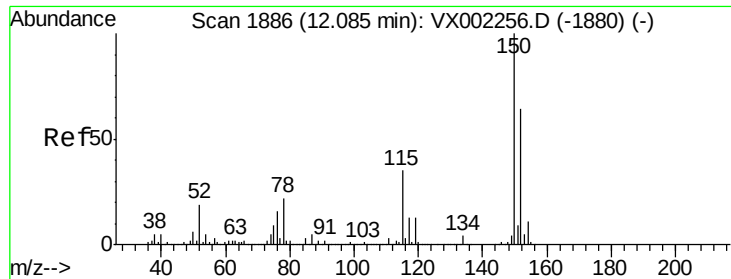
MMDadoda
6/5/2018 5:56:13 PM



#71
Bromoform
Concen: 43.699 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	132870		
175	48.5		24.7	74.1
254	0.2		0.2	0.2





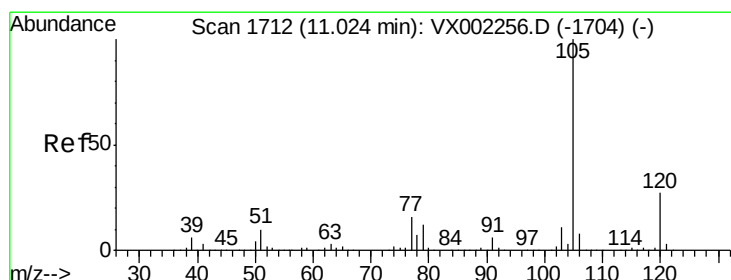
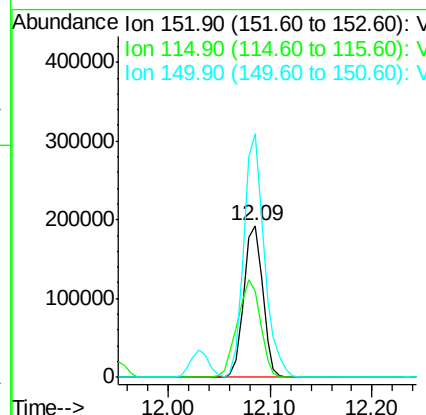
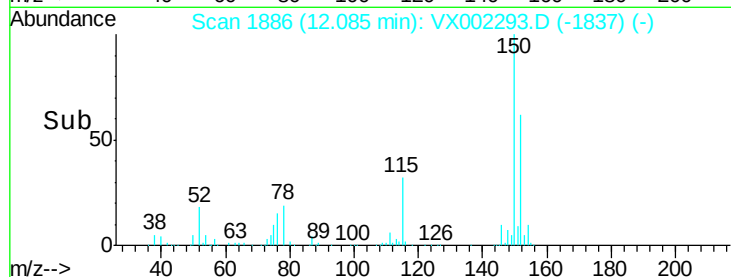
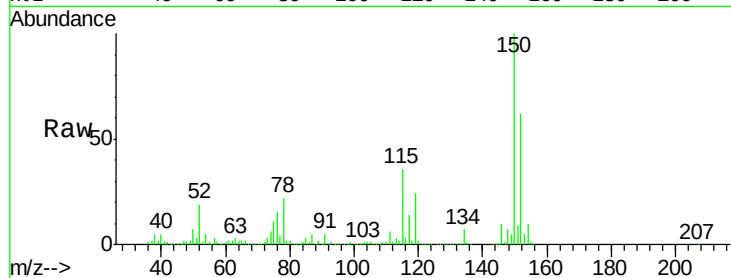
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	79.0	40.1	120.2
150	173.7	0.0	347.2

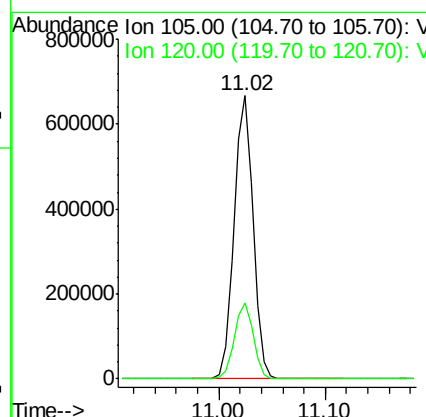
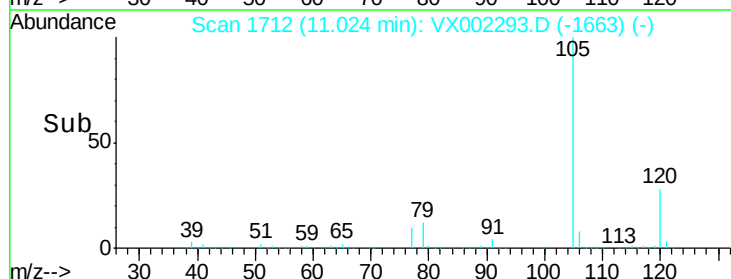
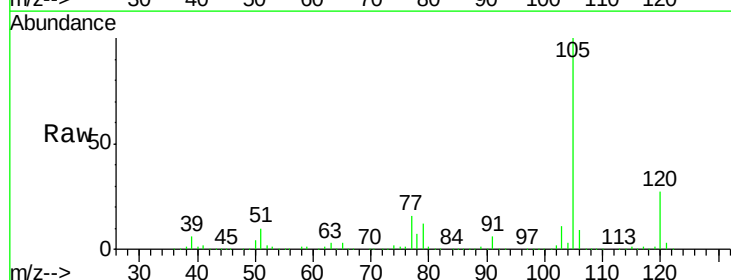
Manual Integrations
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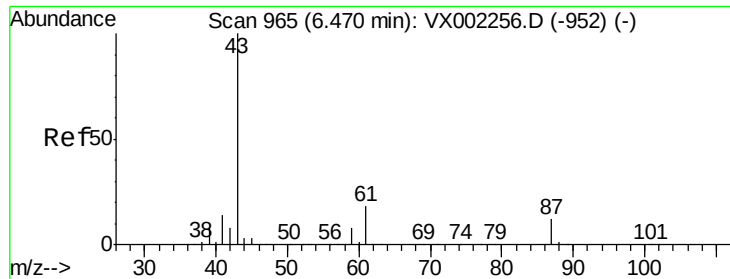
MMDadoda
 6/5/2018 5:56:13 PM



#73
 Isopropylbenzene
 Concen: 49.426 ug/l
 RT: 11.02 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4





#74

N-amvl acetate

Concen: 41.536 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

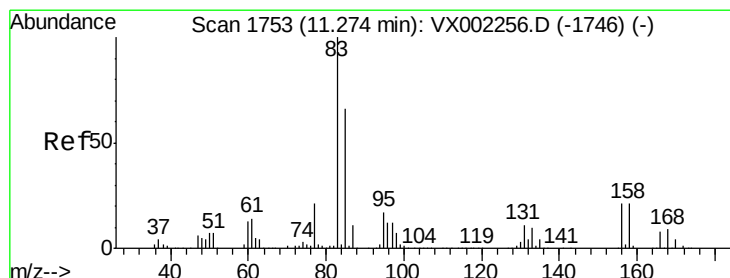
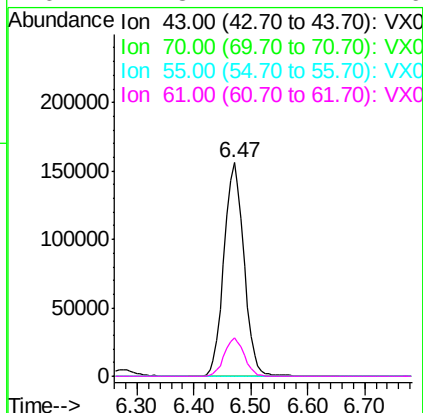
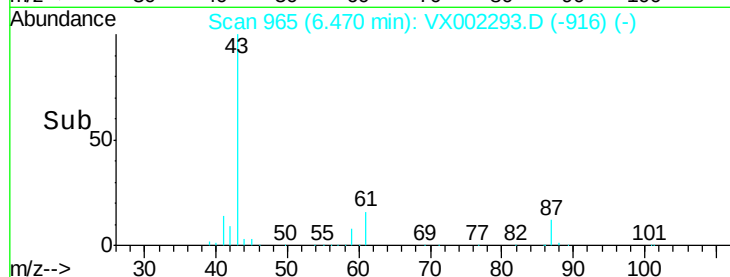
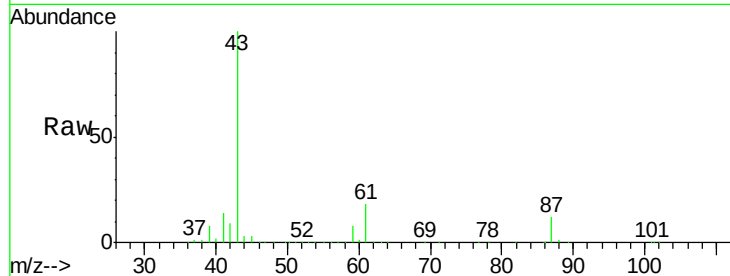
ClientSampleId :

SS052MW750-180531MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		380237		
70	0.0	0.0	0.0		
55	0.1	0.0	0.0		
61	17.8	14.4	21.6		

Manual Integrations
APPROVED

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6/5/2018 5:56:13 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 45.857 ug/l

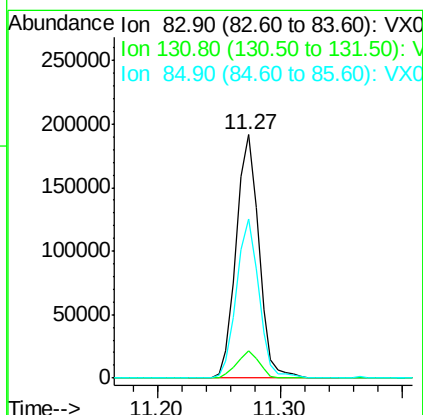
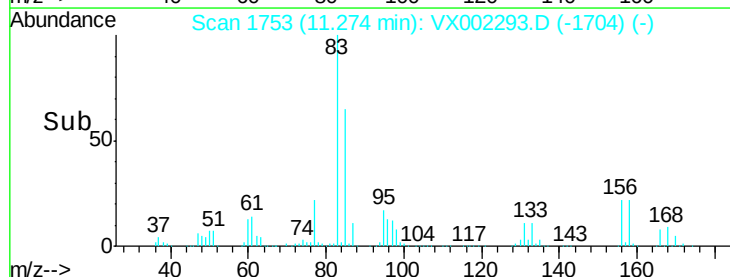
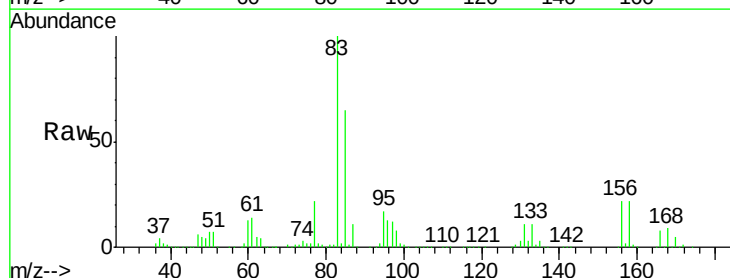
RT: 11.27 min Scan# 1753

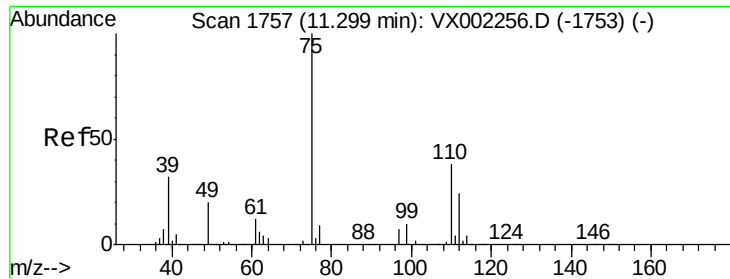
Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		245033		
131	11.1	5.6	16.8		
85	64.5	32.4	97.2		





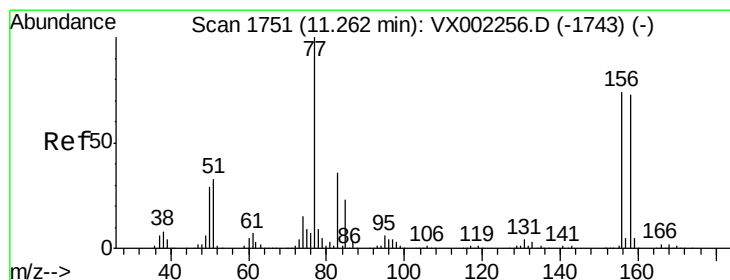
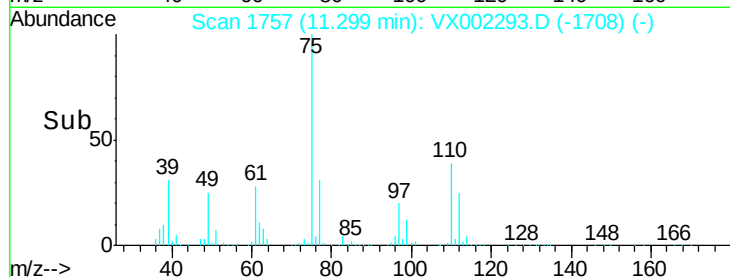
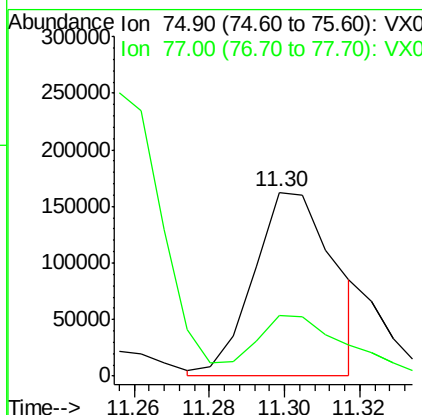
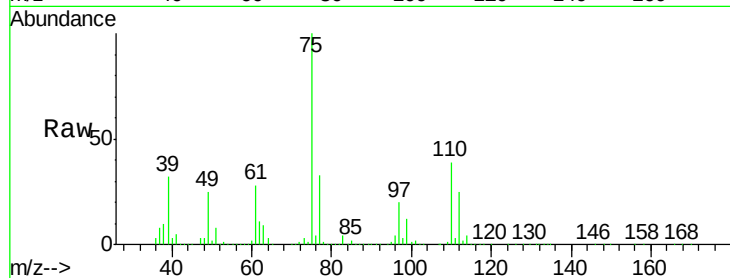
#76
 1,2,3-Trichloropropane
 Concen: 45.041 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion: 75 Resp: 241371
 Ion Ratio Lower Upper
 75 100
 77 38.2 22.8 68.3

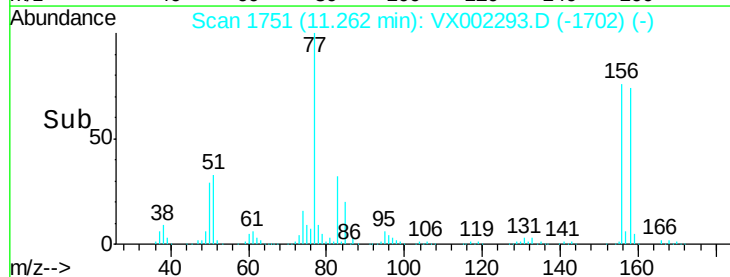
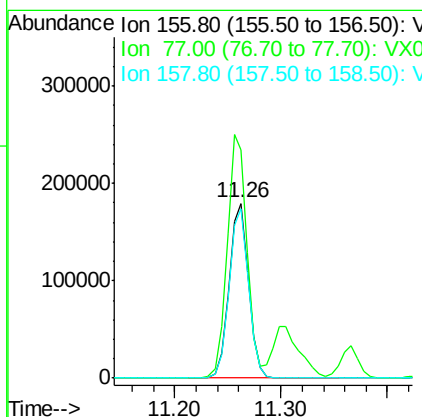
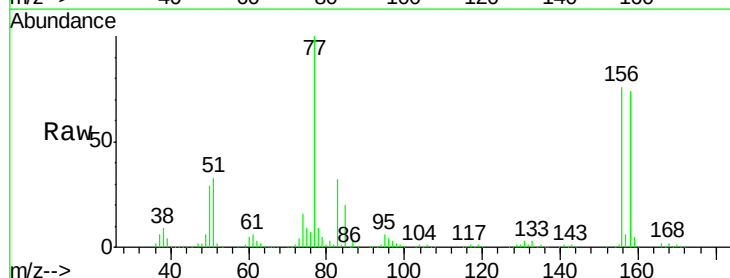
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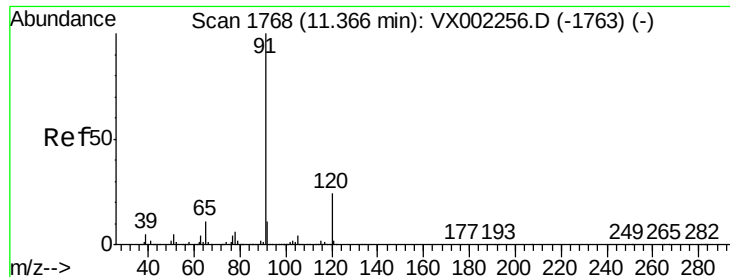
MMDadoda
 6/5/2018 5:56:13 PM



#77
 Bromobenzene
 Concen: 48.014 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion: 156 Resp: 229007
 Ion Ratio Lower Upper
 156 100
 77 140.8 71.4 214.2
 158 96.9 48.9 146.6





#78

n-propylbenzene

Concen: 50.344 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

ClientSampleId :

SS052MW750-180531MSD

Tot Ion: 91 Resp: 950670

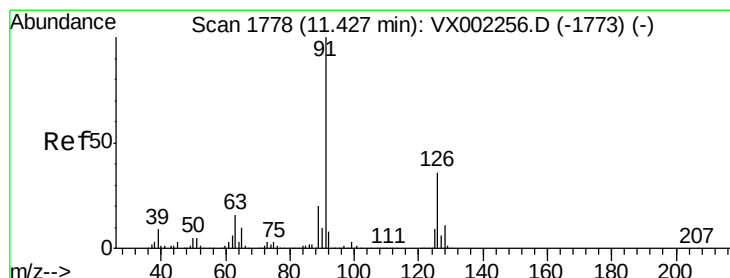
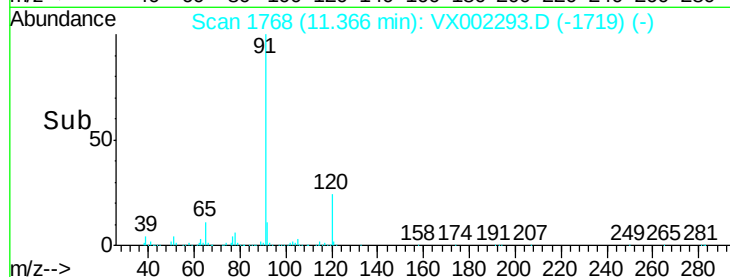
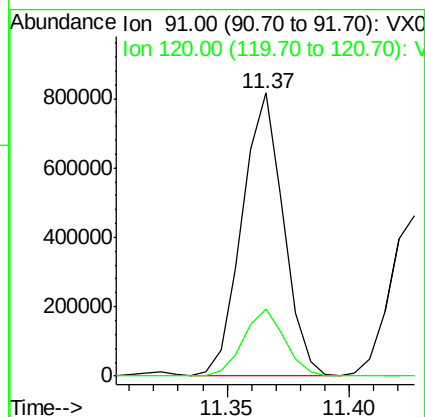
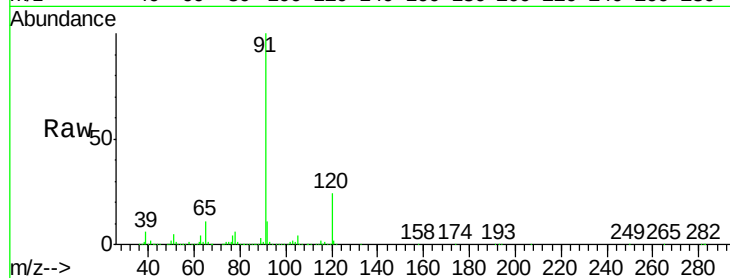
Ion Ratio Lower Upper

91 100

120 23.7 11.8 35.4

Manual Integrations
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6/5/2018 5:56:13 PM



#79

2-Chlorotoluene

Concen: 48.044 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002293.D

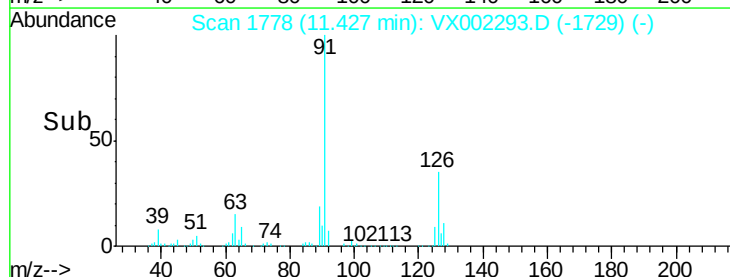
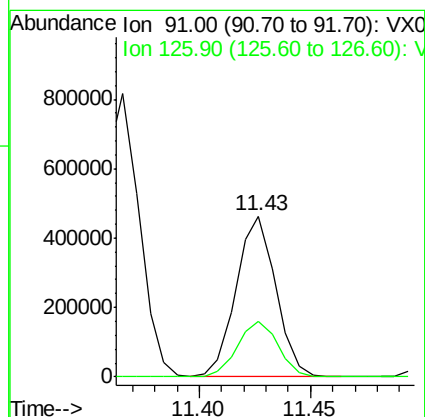
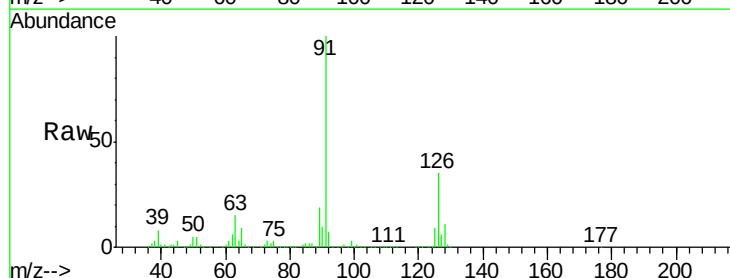
Acq: 05 Jun 2018 06:45

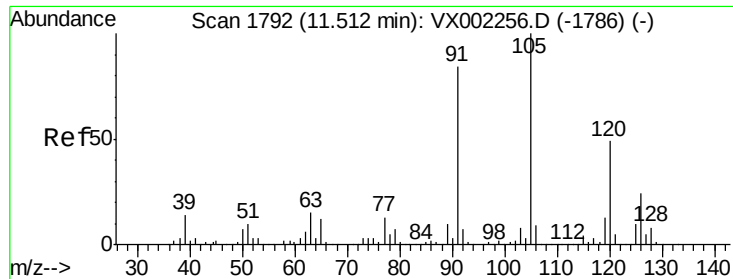
Tgt Ion: 91 Resp: 572861

Ion Ratio Lower Upper

91 100

126 35.5 17.7 53.1





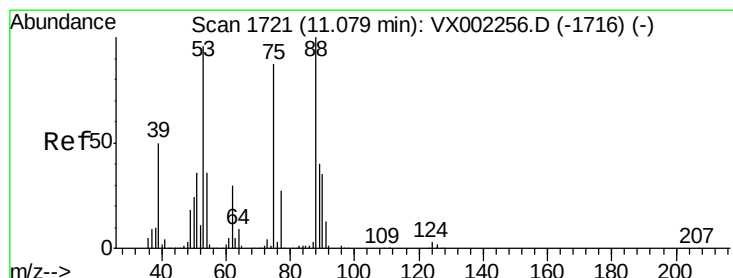
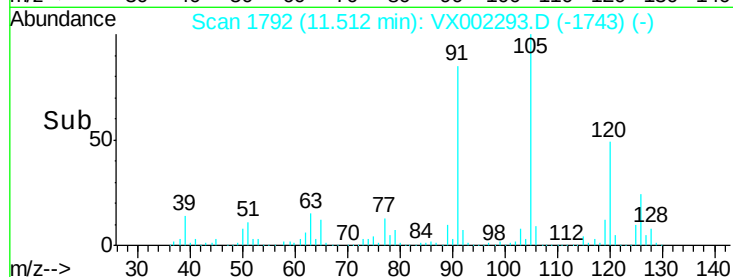
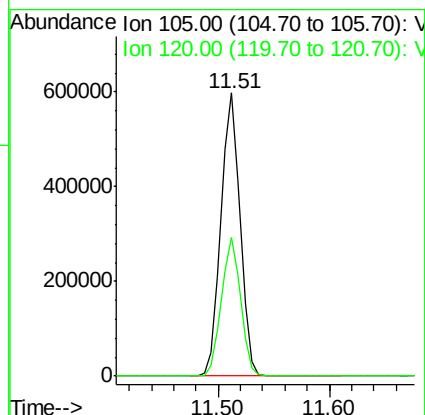
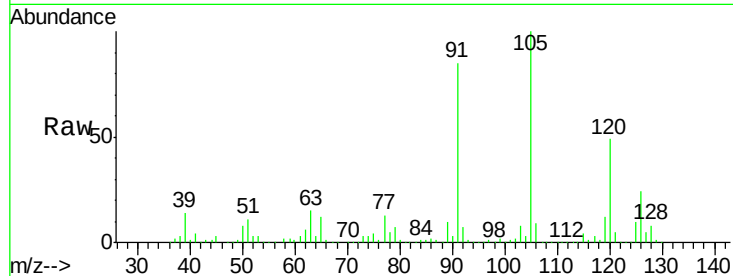
#80
 1,3,5-Trimethylbenzene
 Concen: 48.963 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion:105 Resp: 713506
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.4

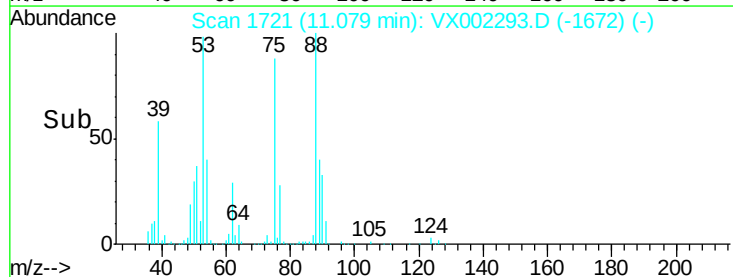
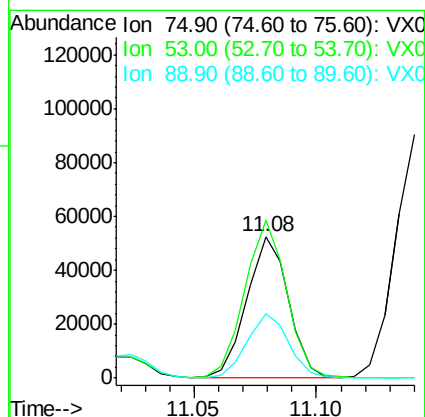
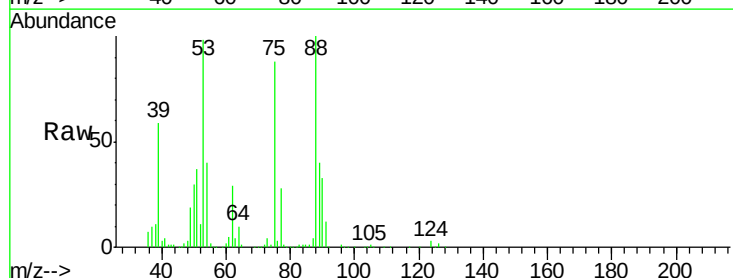
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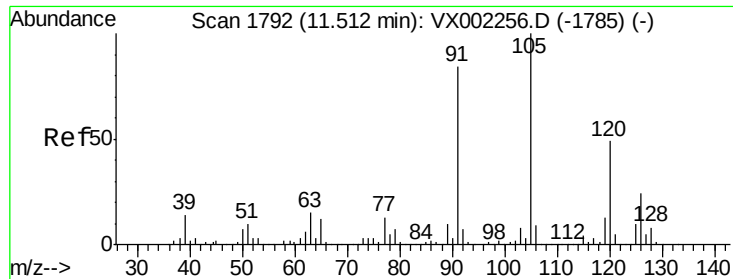
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.631 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion: 75 Resp: 62117
 Ion Ratio Lower Upper
 75 100
 53 111.9 86.8 130.2
 89 45.9 38.2 57.2





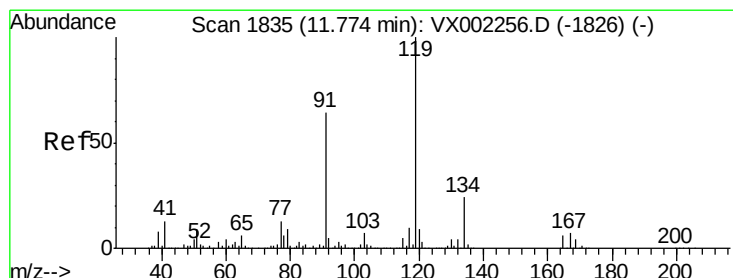
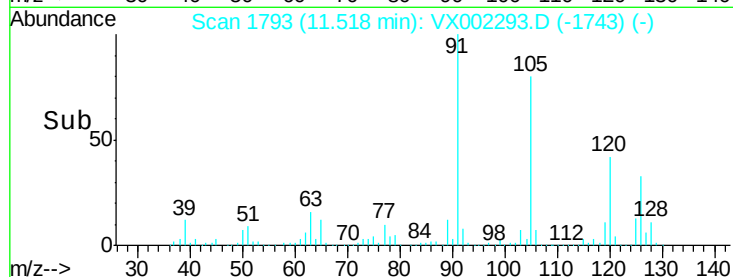
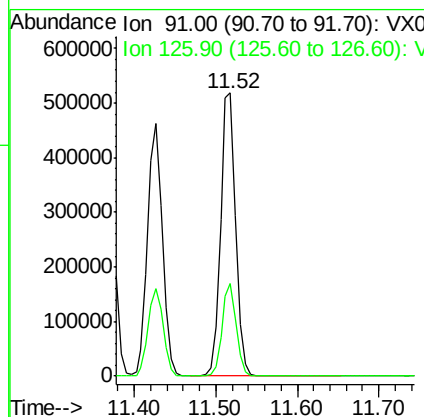
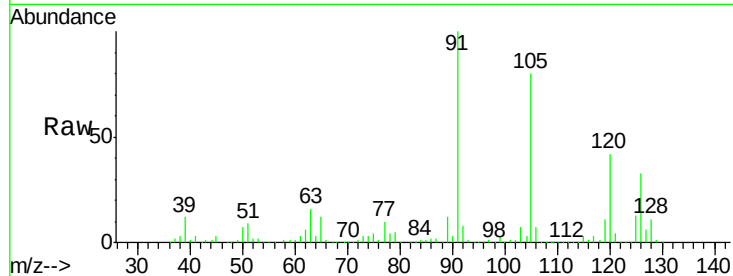
#82
4-Chlorotoluene
Concen: 49.023 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Instrument :
MSVOA_X
ClientSampleId :
SS052MW750-180531MSD

Tot Ion: 91 Resp: 674689
Ion Ratio Lower Upper
91 100
126 30.9 15.4 46.4

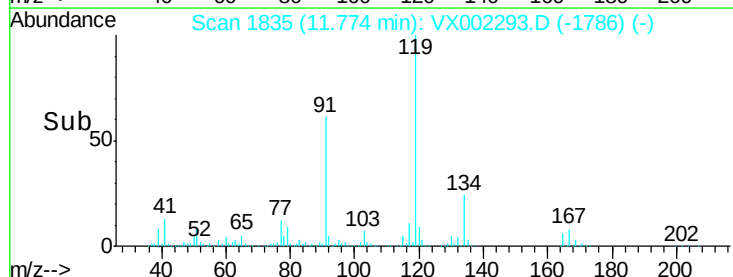
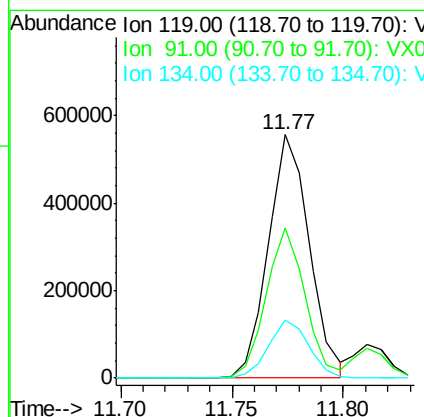
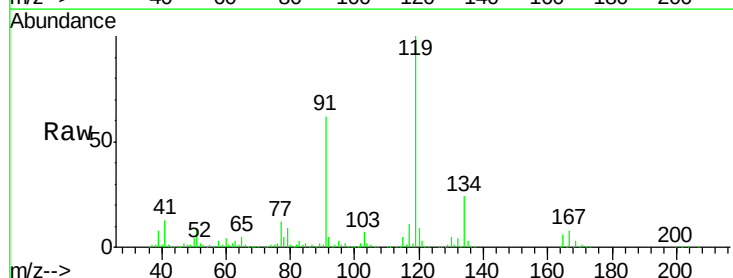
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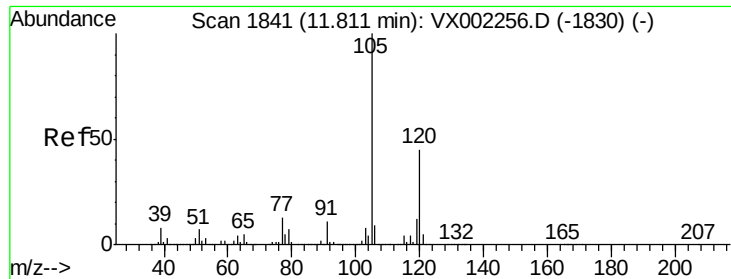
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#83
tert-Butylbenzene
Concen: 50.264 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Tgt Ion: 119 Resp: 713262
Ion Ratio Lower Upper
119 100
91 58.7 30.3 90.9
134 23.7 11.7 35.1





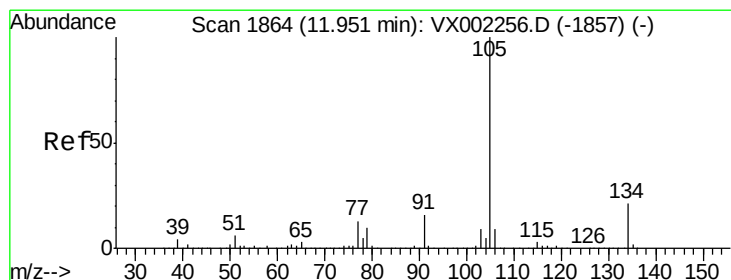
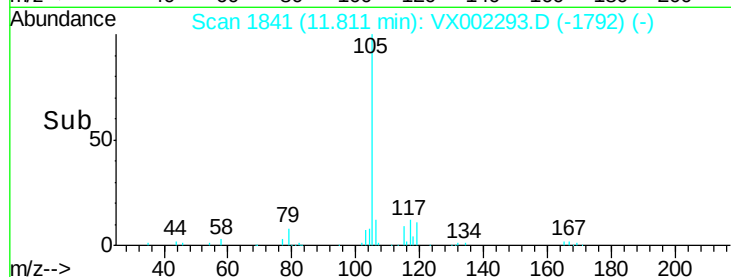
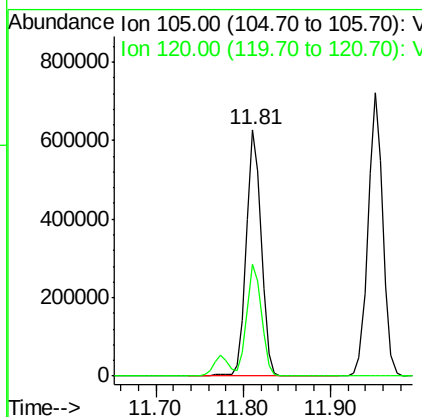
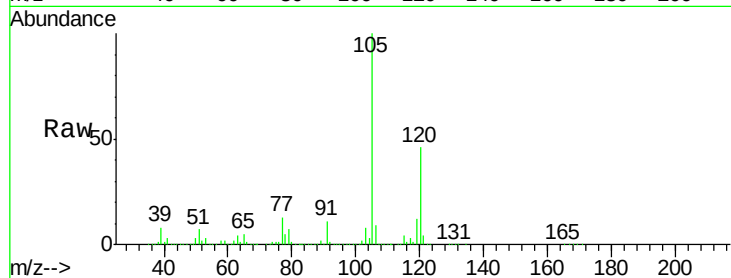
#84
 1,2,4-Trimethylbenzene
 Concen: 49.473 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion:105 Resp: 742114
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.3 66.8

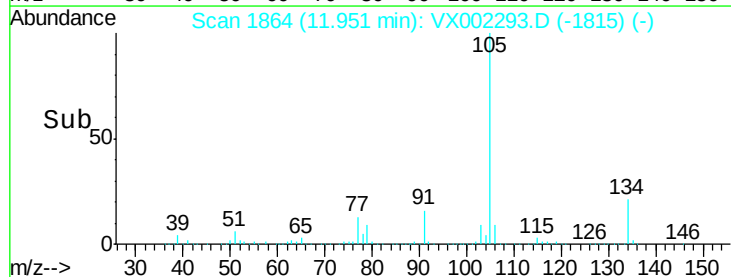
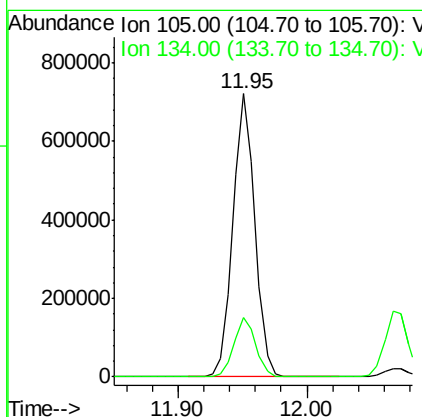
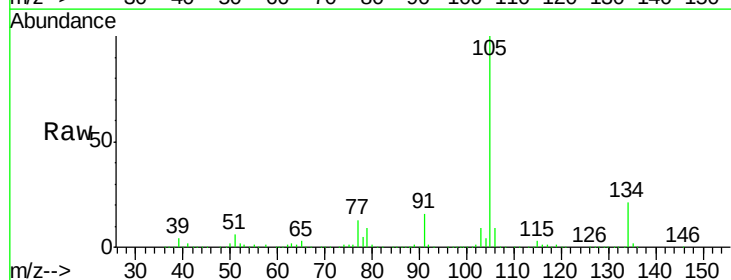
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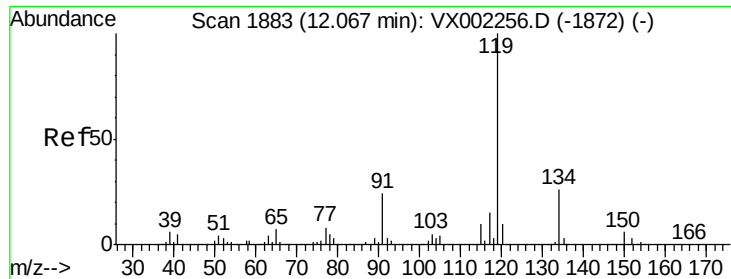
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#85
 sec-Butylbenzene
 Concen: 51.482 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion:105 Resp: 856432
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.1





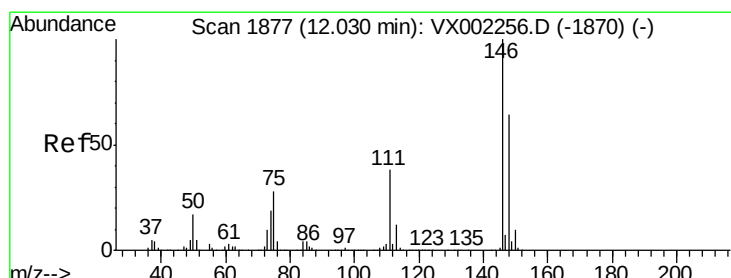
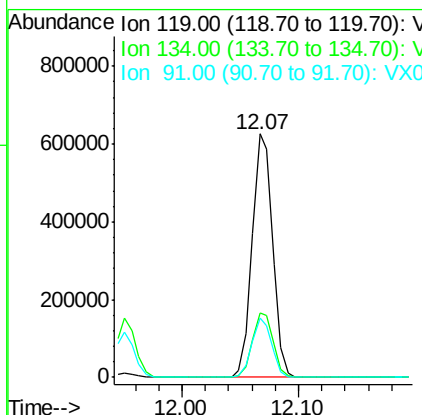
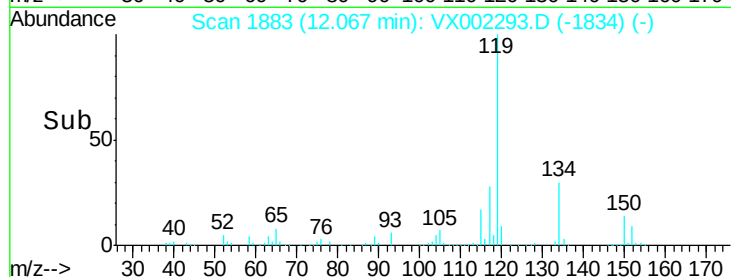
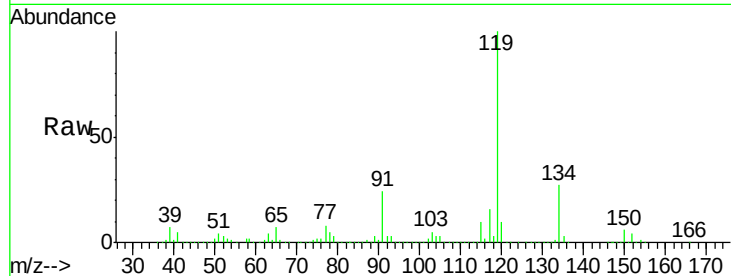
#86
 p-Isopropyltoluene
 Concen: 50.765 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	769235		
134	26.9		13.4	40.1
91	23.7		11.9	35.7

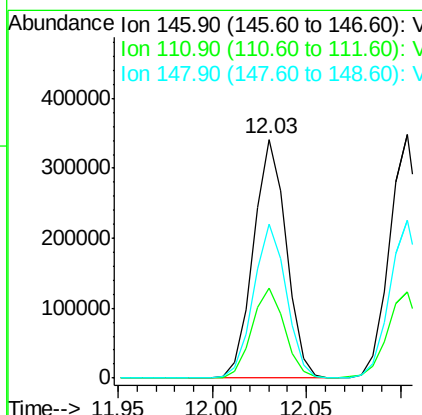
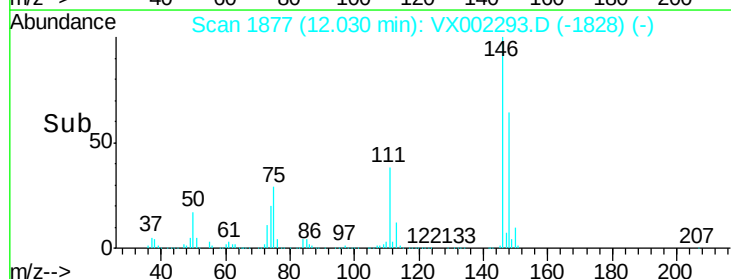
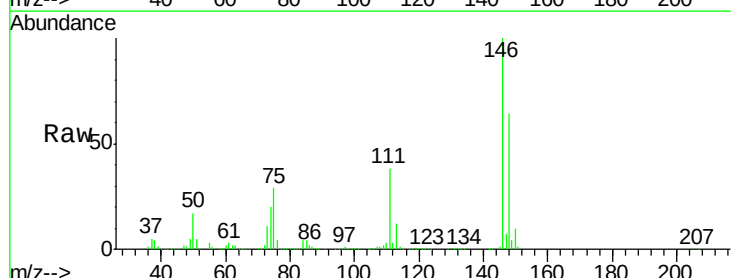
Manual Integrations
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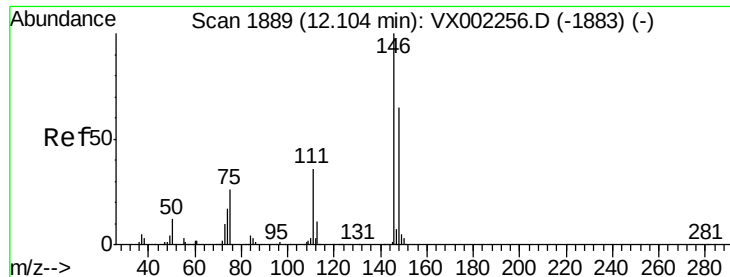
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#87
 1,3-Dichlorobenzene
 Concen: 48.408 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	412833		
111	37.6		18.9	56.7
148	64.3		32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 47.546 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

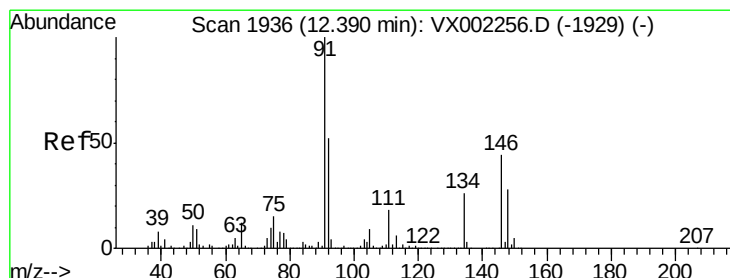
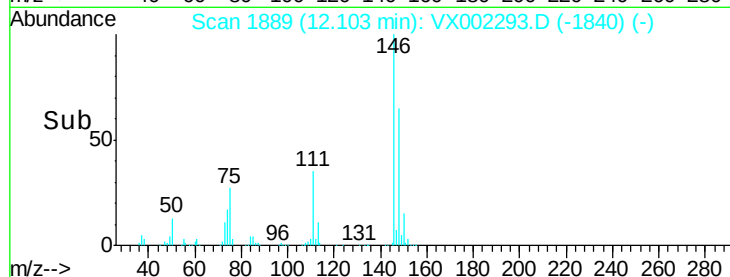
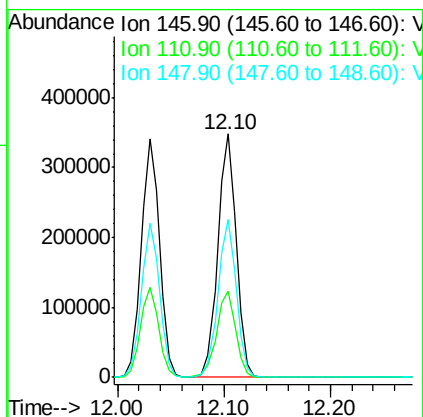
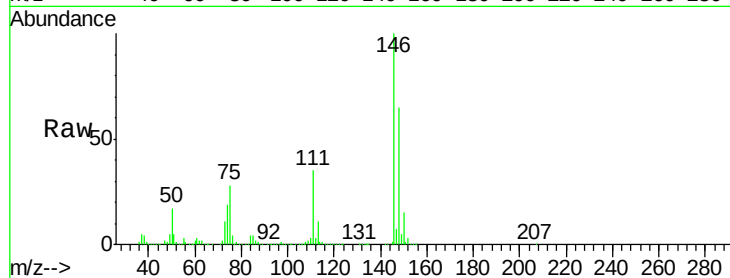
ClientSampleId :

SS052MW750-180531MSD

Tot Ion:	146	Resp:	417953
Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.7	56.1
148	64.6	32.4	97.0

Manual Integrations
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#89

n-Butylbenzene

Concen: 50.774 ug/l

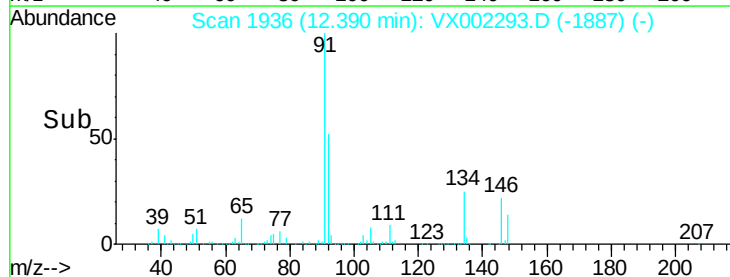
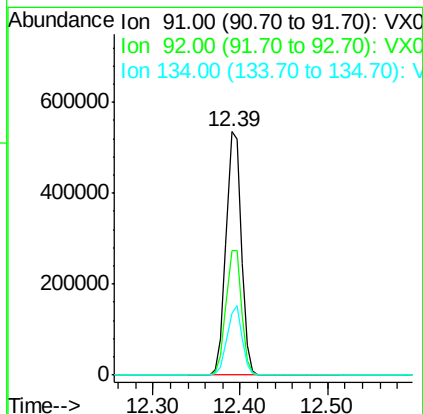
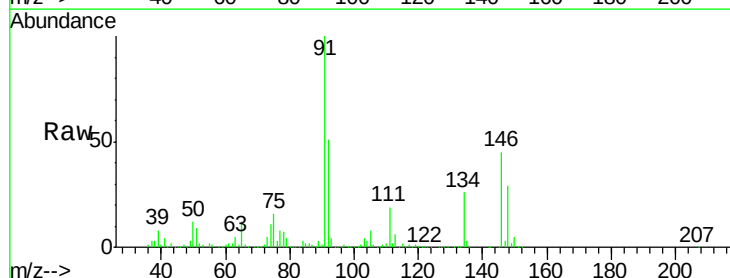
RT: 12.39 min Scan# 1936

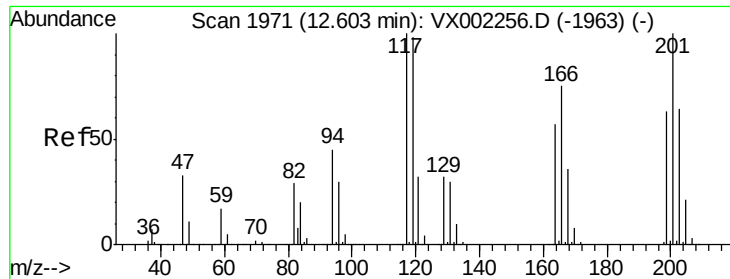
Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Tgt Ion:	91	Resp:	645260
Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	27.4	13.5	40.5





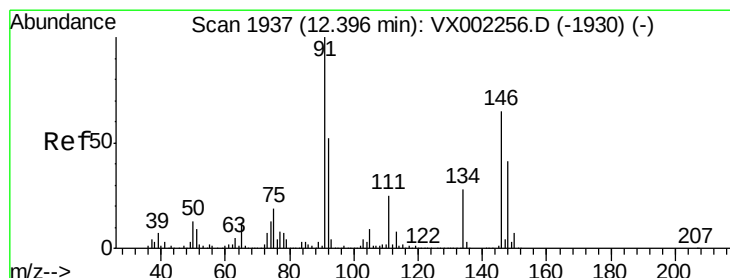
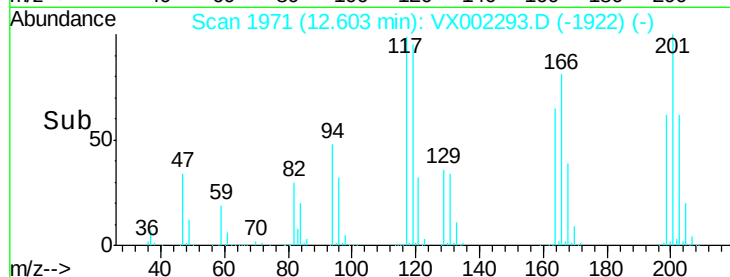
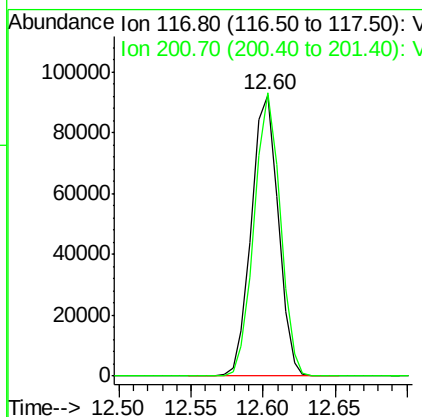
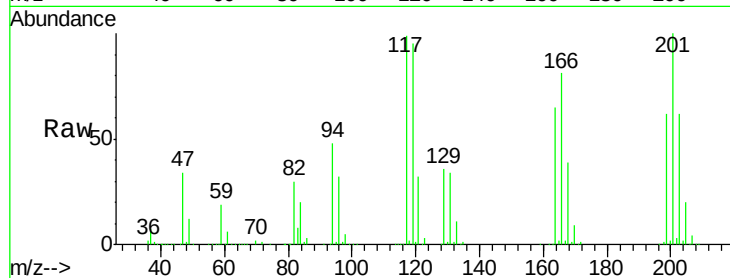
#90
Hexachloroethane
Concen: 49.084 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Instrument :
MSVOA_X
ClientSampleId :
SS052MW750-180531MSD

Tot Ion:117 Resp: 118726
Ion Ratio Lower Upper
117 100
201 97.4 49.0 147.0

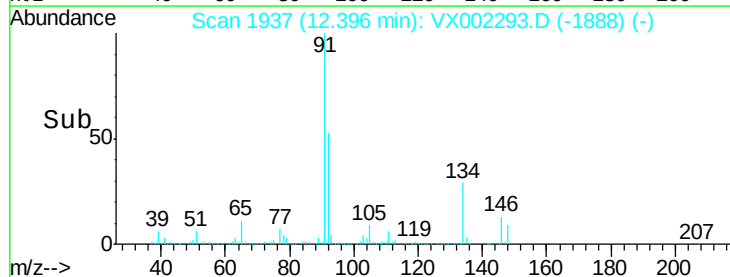
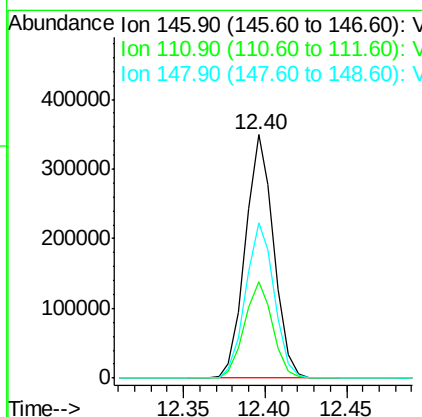
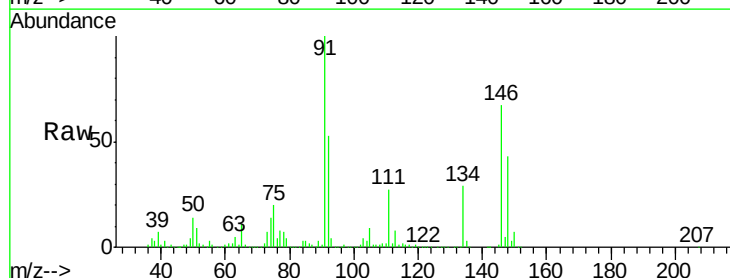
Manual Integrations
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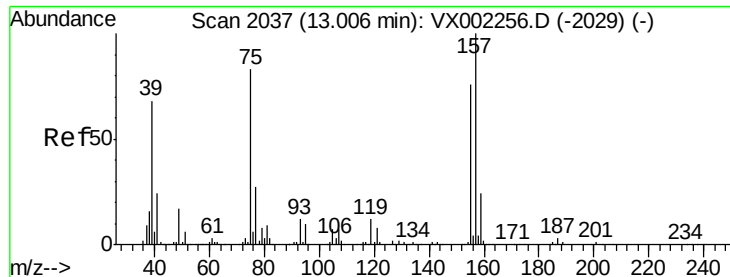
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#91
1,2-Dichlorobenzene
Concen: 47.889 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002293.D
Acq: 05 Jun 2018 06:45

Tgt Ion:146 Resp: 422555
Ion Ratio Lower Upper
146 100
111 39.5 19.4 58.1
148 64.5 31.7 95.1





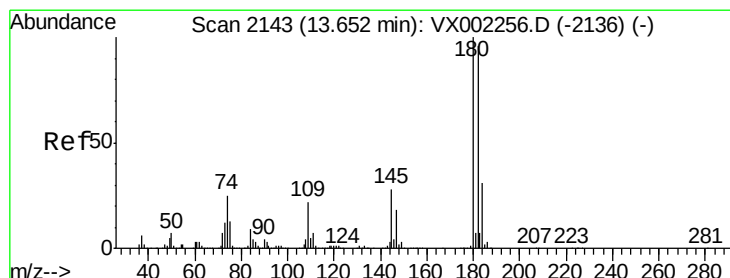
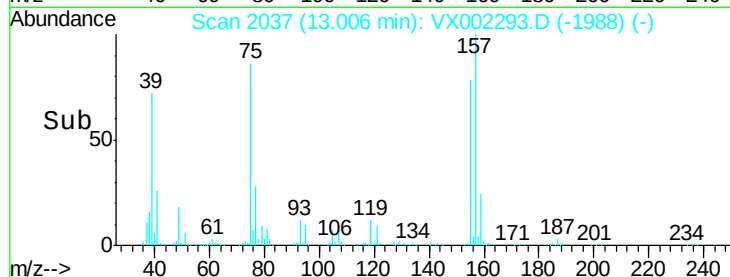
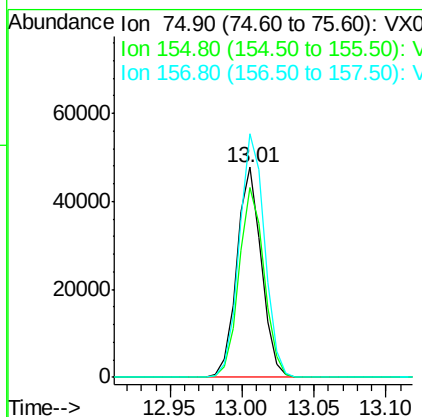
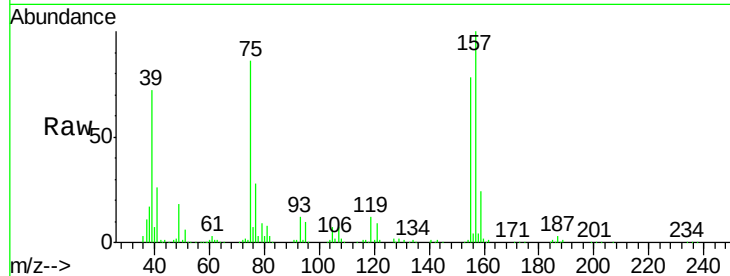
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.546 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	91.7	45.8	137.4
157	119.2	60.1	180.3

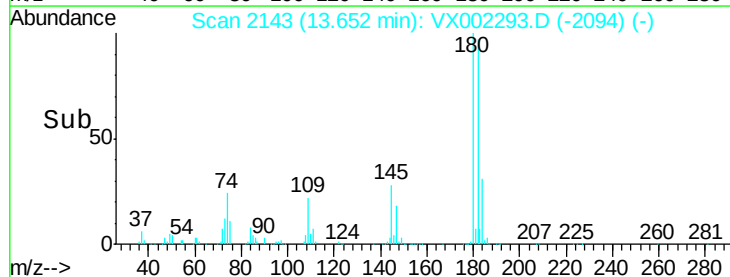
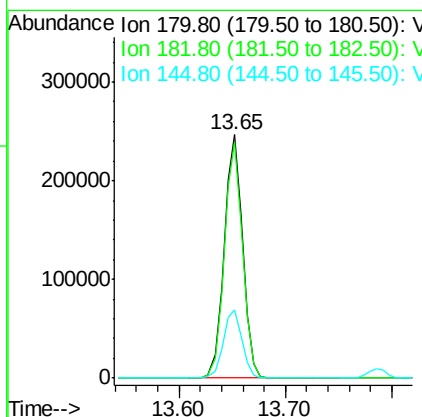
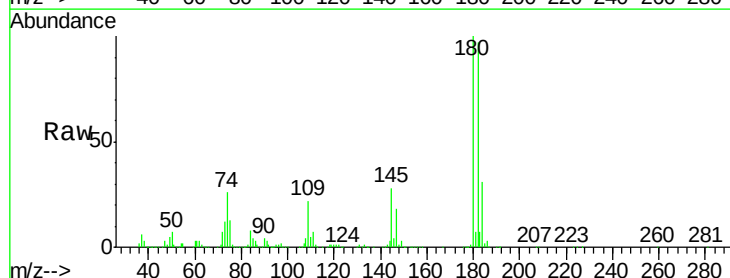
Manual Integrations
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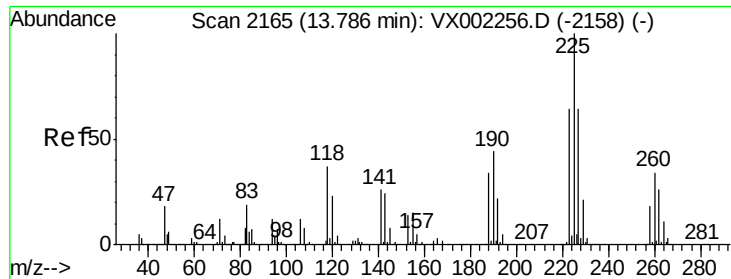
MMDadoda
 6/5/2018 5:56:13 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 48.046 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.7	143.1
145	28.4	14.1	42.4





#94

Hexachlorobutadiene

Concen: 50.708 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Instrument :

MSVOA_X

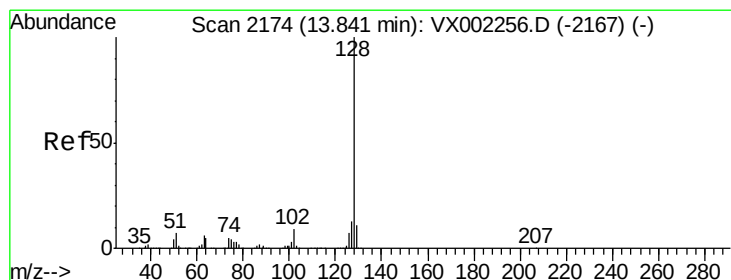
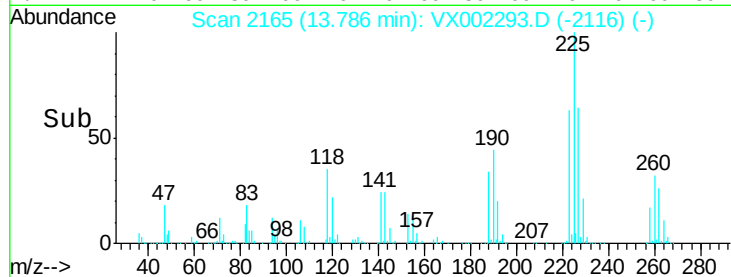
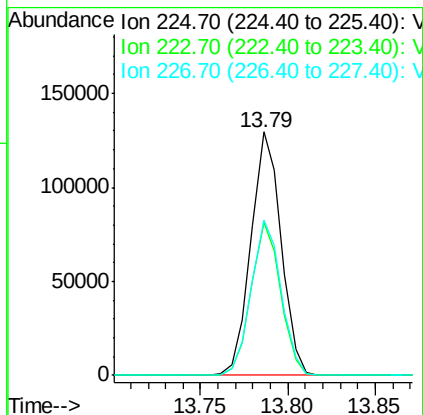
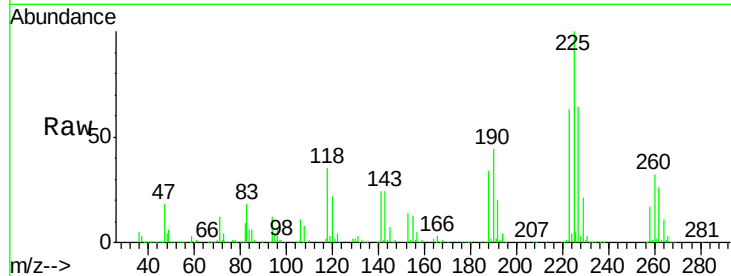
ClientSampleId :

SS052MW750-180531MSD

Tot Ion:	225	Resp:	155033
Ion Ratio		Lower	Upper
225	100		
223	61.6	31.6	95.0
227	63.5	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:13 PM



#95

Naphthalene

Concen: 49.125 ug/l

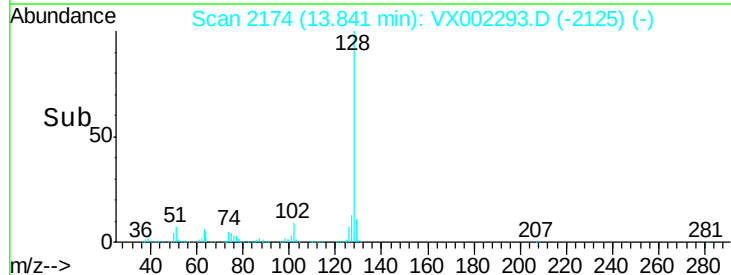
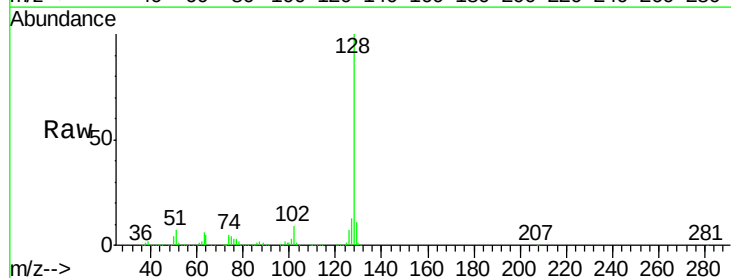
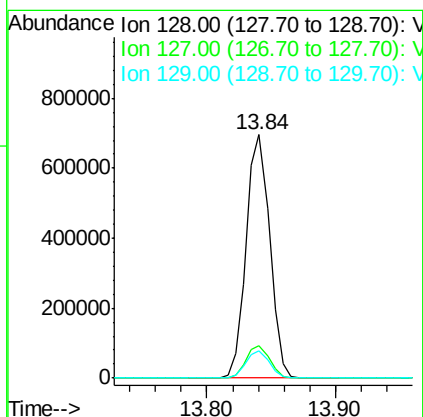
RT: 13.84 min Scan# 2174

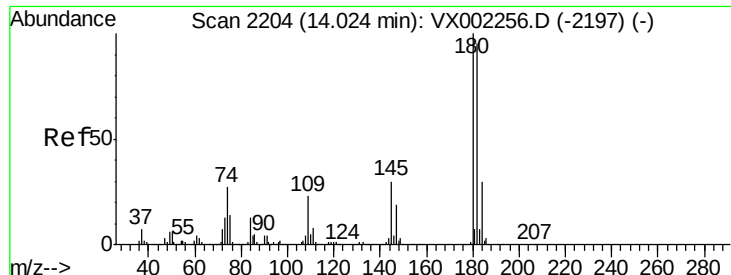
Delta R.T. -0.00 min

Lab File: VX002293.D

Acq: 05 Jun 2018 06:45

Tgt Ion:	128	Resp:	873283
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.6	13.0





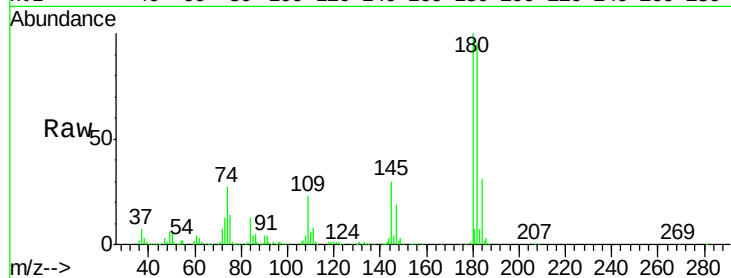
#96
 1,2,3-Trichlorobenzene
 Concen: 49.351 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX002293.D
 Acq: 05 Jun 2018 06:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW750-180531MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	311403		
182	95.7	48.0	144.0	
145	29.8	14.8	44.3	

Manual Integrations
 APPROVED

MMDadoda
 6/5/2018 5:56:13 PM



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

