

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002852.D
 Acq On : 23 Jun 2018 00:51
 Operator : JC/MD
 Sample : J3631-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

Manual Integrations
 APPROVED

MMDadoda
 6/25/2018 6:56:08 PM

Quant Time: Jun 23 01:47:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	344994	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	150147	39.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.22%	
35) Dibromofluoromethane	5.51	113	122872	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
50) Toluene-d8	8.72	98	428364	40.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.94%	
62) 4-Bromofluorobenzene	11.14	95	172333	43.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	118396	44.71	ug/l	99
3) Chloromethane	1.32	50	128085	40.67	ug/l	98
4) Vinyl Chloride	1.40	62	142564	43.62	ug/l	91
5) Bromomethane	1.64	94	83978	42.58	ug/l	100
6) Chloroethane	1.72	64	96212	44.66	ug/l	99
7) Trichlorofluoromethane	1.93	101	249405	46.97	ug/l	100
8) Diethyl Ether	2.19	74	90089	44.60	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	138273	46.58	ug/l	99
10) Methyl Iodide	2.51	142	127529	33.72	ug/l	99
11) Tert butyl alcohol	3.08	59	160457	204.79	ug/l	100
12) 1,1-Dichloroethene	2.37	96	125323	44.97	ug/l	98
13) Acrolein	2.29	56	68603	188.50	ug/l	99
14) Allyl chloride	2.73	41	243341	43.98	ug/l	98
15) Acrylonitrile	3.15	53	383887	224.52	ug/l	100
16) Acetone	2.45	43	365174	218.38	ug/l	100
17) Carbon Disulfide	2.57	76	338431	51.20	ug/l	99
18) Methyl Acetate	2.78	43	202334	45.42	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	467785	44.74	ug/l	99
20) Methylene Chloride	2.86	84	143855	41.96	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	136107	45.02	ug/l	97
22) Diisopropyl ether	3.87	45	480200	47.97	ug/l	94
23) Vinyl Acetate	3.83	43	1872549	223.48	ug/l	99
24) 1,1-Dichloroethane	3.70	63	256879	47.28	ug/l	99
25) 2-Butanone	4.71	43	531717	242.12	ug/l	99
26) 2,2-Dichloropropane	4.59	77	160414	41.09	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	155557	50.57	ug/l	95
28) Bromochloromethane	5.03	49	110874	43.57	ug/l	97
29) Tetrahydrofuran	5.17	42	344909	239.65	ug/l	96
30) Chloroform	5.22	83	270997	51.72	ug/l	98
31) Cyclohexane	5.58	56	247986	55.43	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	240744	54.93	ug/l	99
36) 1,1-Dichloropropene	5.80	75	193432	52.79	ug/l	99
37) Ethyl Acetate	4.87	43	196392	47.36	ug/l	100
38) Carbon Tetrachloride	5.79	117	214497	58.79	ug/l	99

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Manual Integrations
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Quant Time: Jun 23 01:47:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	236102	55.12	ug/l	99
40) Benzene	6.15	78	577619	52.57	ug/l	100
41) Methacrylonitrile	5.07	41	122015	52.11	ug/l	98
42) 1,2-Dichloroethane	6.20	62	228073	53.62	ug/l	98
43) Isopropyl Acetate	6.47	43	337014	49.05	ug/l	99
44) Trichloroethene	7.22	130	168853	53.25	ug/l	98
45) 1,2-Dichloropropane	7.52	63	152717	52.82	ug/l	100
46) Dibromomethane	7.67	93	105712	54.65	ug/l	98
47) Bromodichloromethane	7.90	83	200740	58.84	ug/l	99
48) Methyl methacrylate	7.78	41	188528	53.69	ug/l	98
49) 1,4-Dioxane	7.76	88	59648	897.04	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1141089	258.65	ug/l	99
52) Toluene	8.79	92	375702	53.61	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	218908	48.55	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	209099	48.63	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	154094	54.41	ug/l	98
56) Ethyl methacrylate	9.18	69	231302	53.08	ug/l	98
57) 1,3-Dichloropropane	9.37	76	252063	52.63	ug/l	100
59) 2-Hexanone	9.50	43	865305	260.29	ug/l	98
60) Dibromochloromethane	9.59	129	165806	51.90	ug/l	100
61) 1,2-Dibromoethane	9.68	107	164790	56.19	ug/l	100
64) Tetrachloroethene	9.34	164	167688	45.55	ug/l	100
65) Chlorobenzene	10.14	112	464716	57.05	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	163213	58.78	ug/l	99
67) Ethyl Benzene	10.26	91	921439	67.07	ug/l	99
68) m/p-Xylenes	10.36	106	595076	112.29	ug/l	100
69) o-Xylene	10.70	106	285332	54.80	ug/l	100
70) Stvrene	10.71	104	460146	53.74	ug/l	99
71) Bromoform	10.86	173	128987	50.92	ug/l	100
73) Isopropylbenzene	11.02	105	791839	55.05	ug/l	100
74) N-amyl acetate	6.47	43	337014	47.16	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	237019	55.80	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	224438m	55.31	ug/l	
77) Bromobenzene	11.26	156	211980	52.90	ug/l	98
78) n-propylbenzene	11.37	91	894097	54.20	ug/l	100
79) 2-Chlorotoluene	11.43	91	517604	52.56	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	647830	53.30	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	49804	40.17	ug/l	96
82) 4-Chlorotoluene	11.51	91	611755	52.64	ug/l	99
83) tert-Butylbenzene	11.77	119	665850	56.86	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	877067	70.71	ug/l	99
85) sec-Butylbenzene	11.95	105	774216	53.17	ug/l	100
86) p-Isopropyltoluene	12.07	119	709125	53.83	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	388135	52.82	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	393174	52.59	ug/l	99
89) n-Butylbenzene	12.39	91	613045	52.75	ug/l	99
90) Hexachloroethane	12.60	117	107249	52.11	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	390105	52.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54925	61.74	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	292373	54.47	ug/l	99

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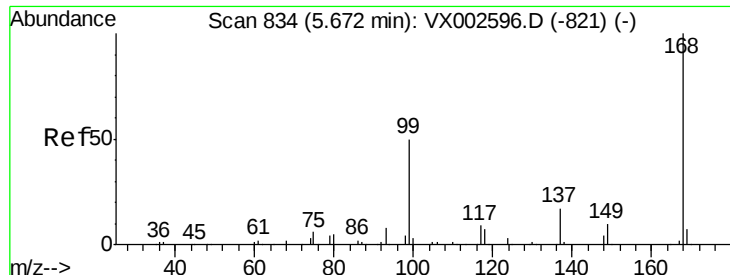
Manual Integrations
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6/25/2018 6:56:08 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	138418	48.95	ug/l	99
95) Naphthalene	13.84	128	882583	61.10	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	298397	55.35	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion:168 Resp: 249418

Ion Ratio Lower Upper

168 100

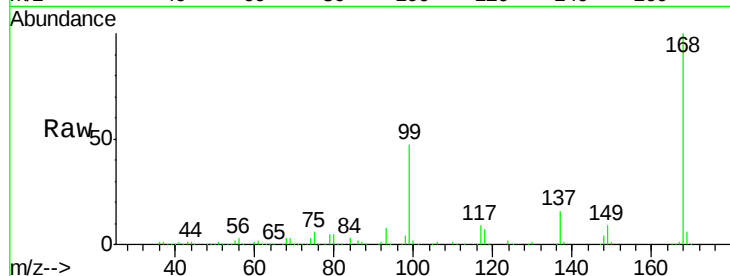
99 47.0 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

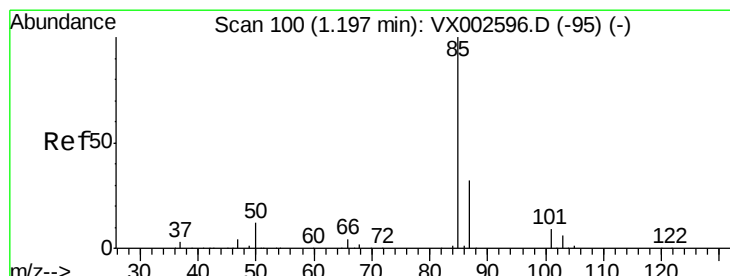
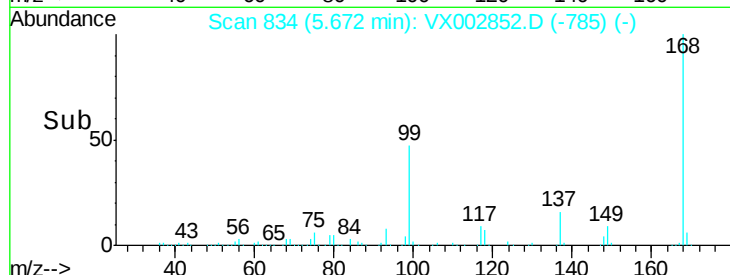
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.71 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002852.D

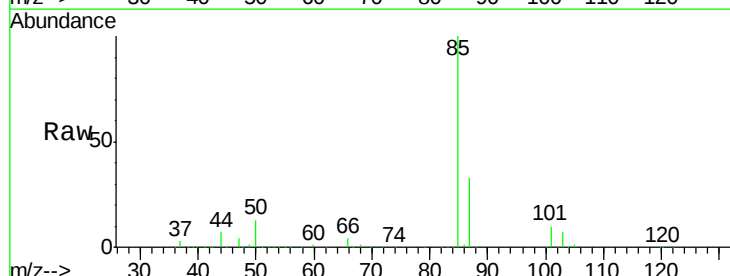
Acq: 23 Jun 2018 00:51

Tgt Ion: 85 Resp: 118396

Ion Ratio Lower Upper

85 100

87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

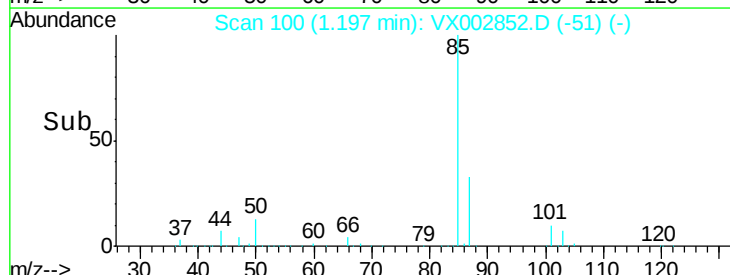
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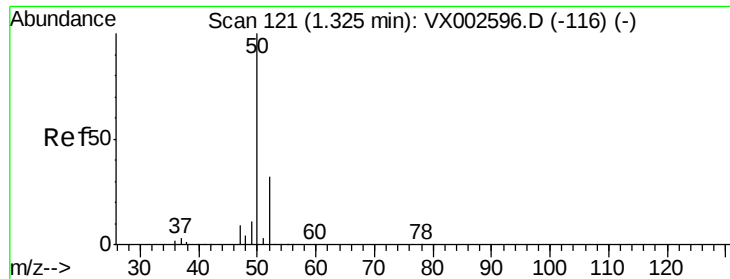
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50000

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Time-->





#3

Chloromethane

Concen: 40.67 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion: 50 Resp: 128085

Ion Ratio Lower Upper

50 100

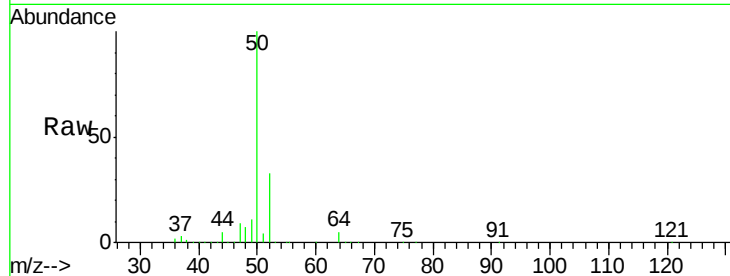
52 33.0 25.7 38.5

Manual Integrations

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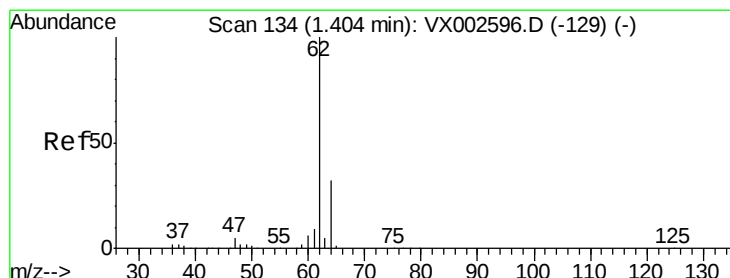
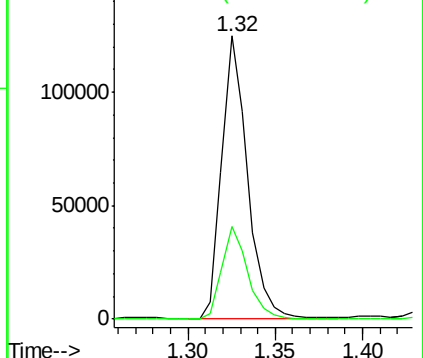
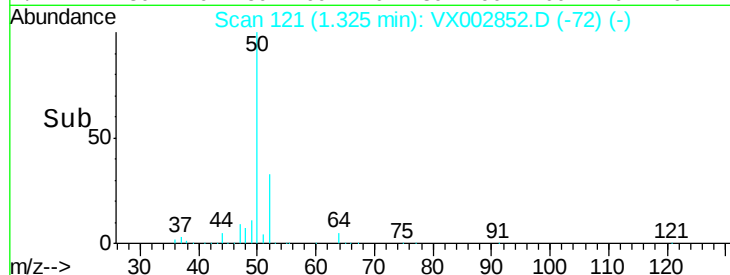
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 43.62 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002852.D

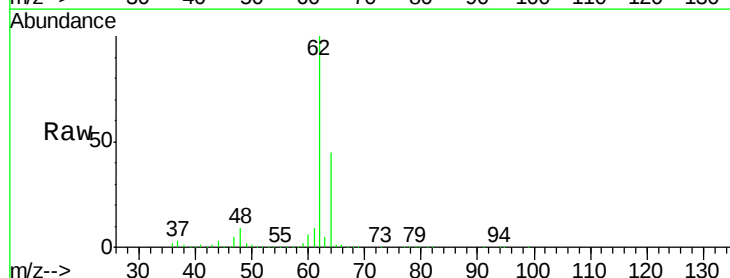
Acq: 23 Jun 2018 00:51

Tgt Ion: 62 Resp: 142564

Ion Ratio Lower Upper

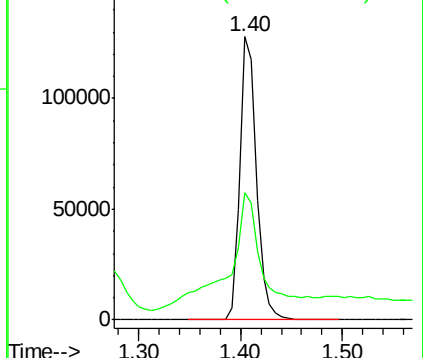
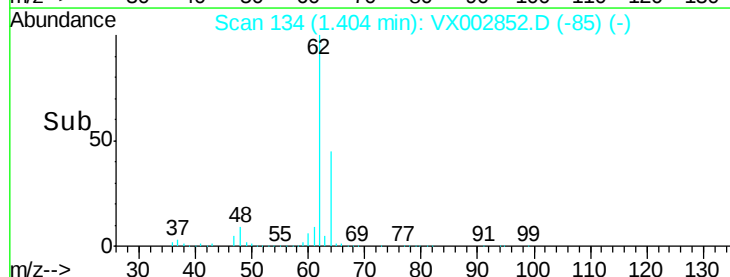
62 100

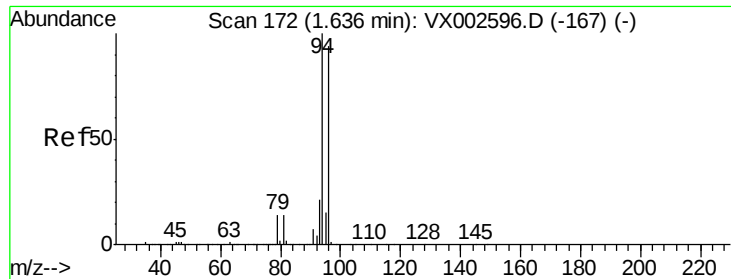
64 36.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.58 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion: 94 Resp: 83978

Ion Ratio Lower Upper

94 100

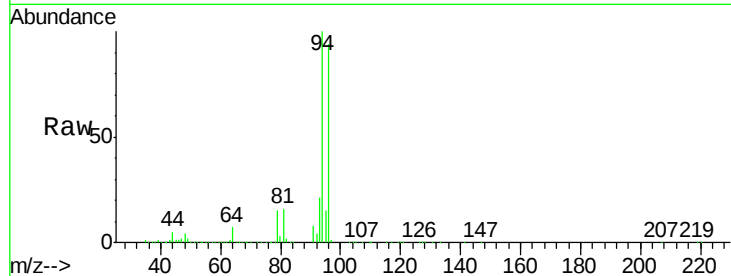
96 93.7 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

100000

80000

60000

40000

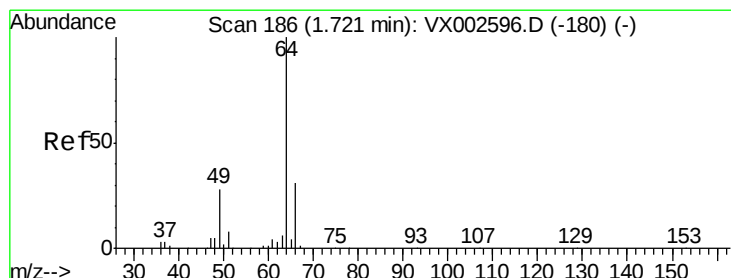
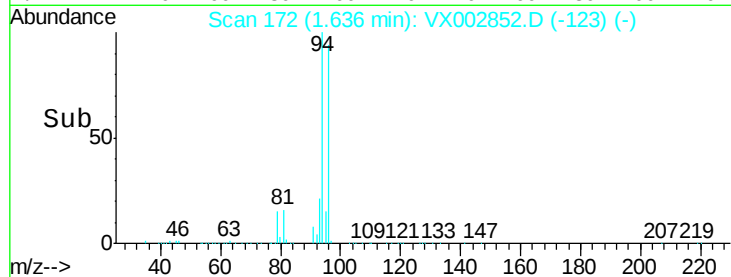
20000

0

1.64

1.60 1.70

Time-->



#6

Chloroethane

Concen: 44.66 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002852.D

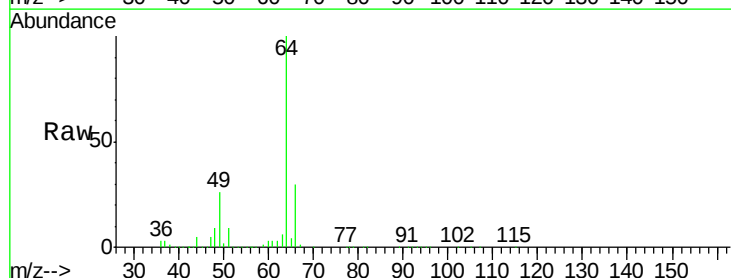
Acq: 23 Jun 2018 00:51

Tgt Ion: 64 Resp: 96212

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

80000

60000

40000

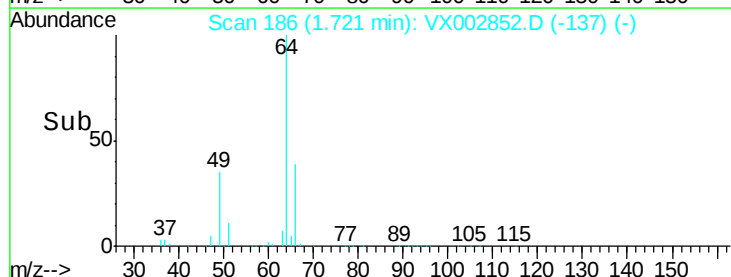
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0

1.72

1.65 1.70 1.75 1.80

Time-->





#7

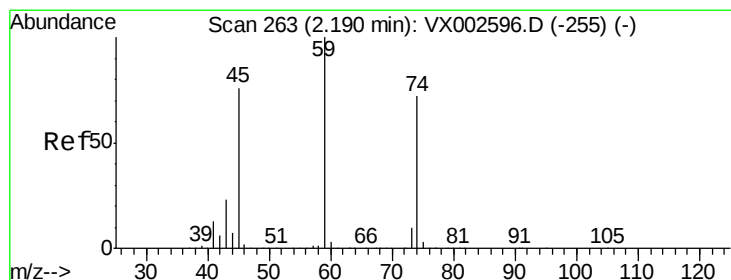
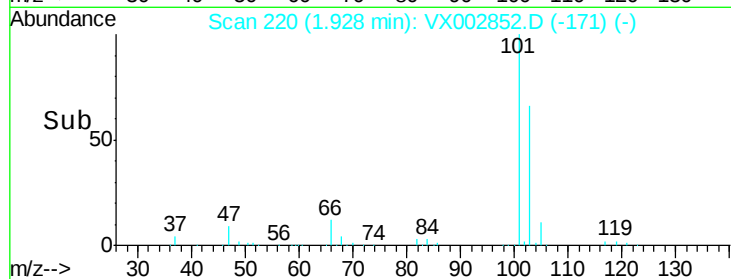
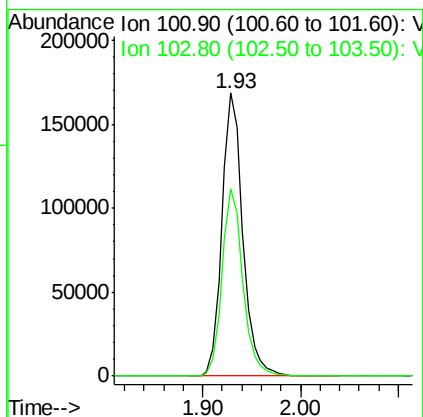
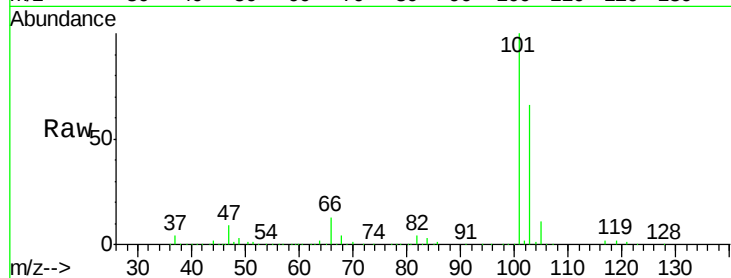
Trichlorofluoromethane
Concen: 46.97 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

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ClientSampleId :
S83-0020MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.8	79.2

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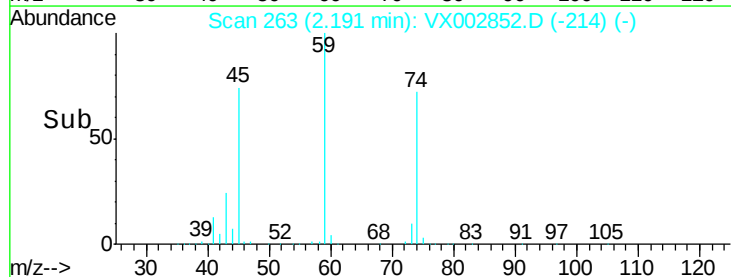
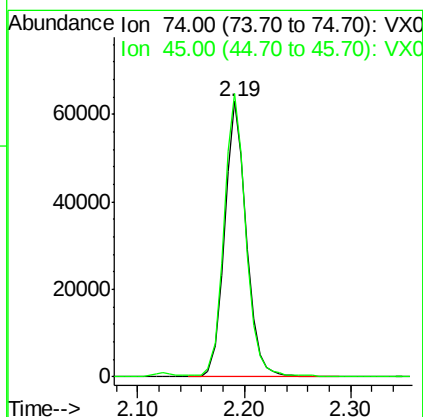
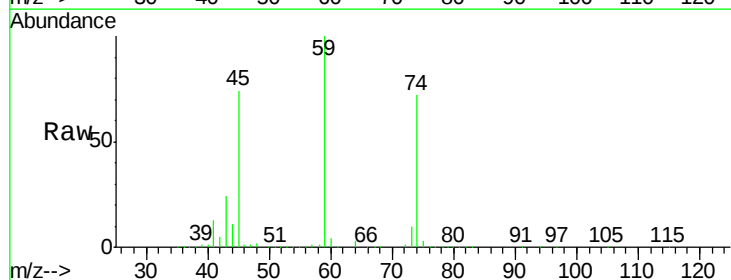
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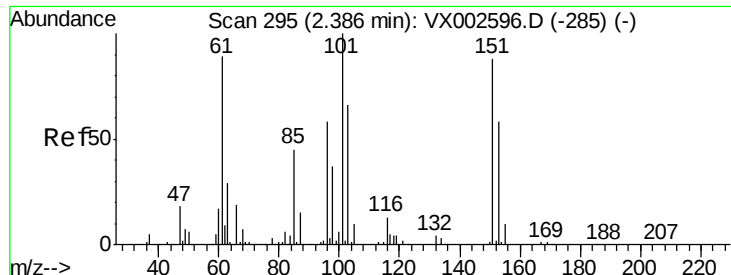


#8

Diethyl Ether
Concen: 44.60 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.58 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

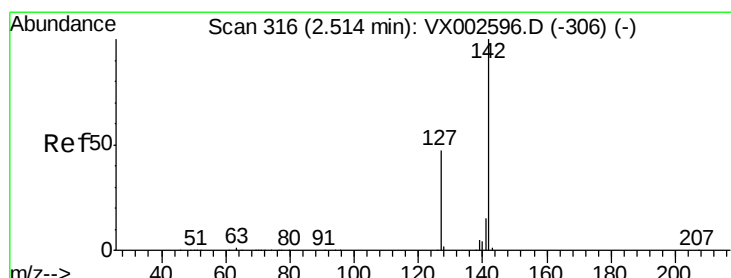
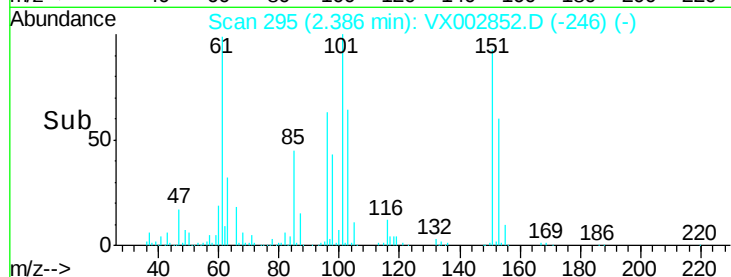
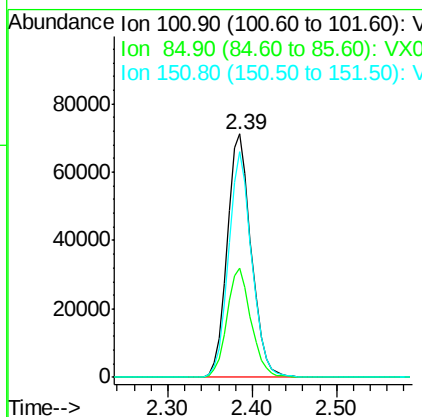
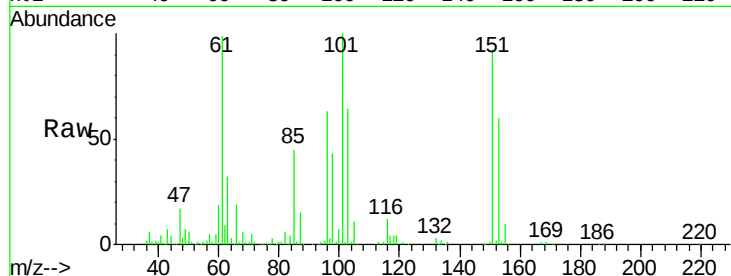
ClientSampleId :

S83-0020MS

Tot Ion:	101	Resp:	138273
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	89.5	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 33.72 ug/l

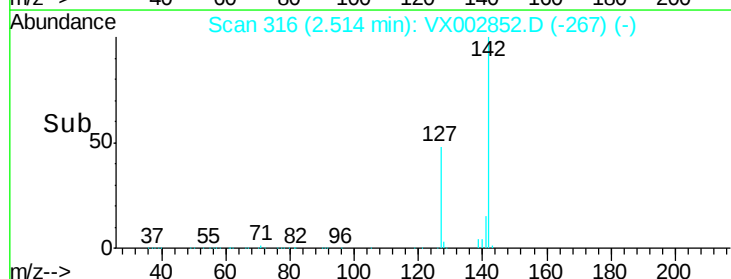
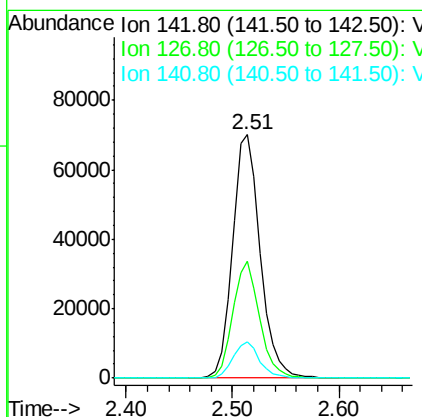
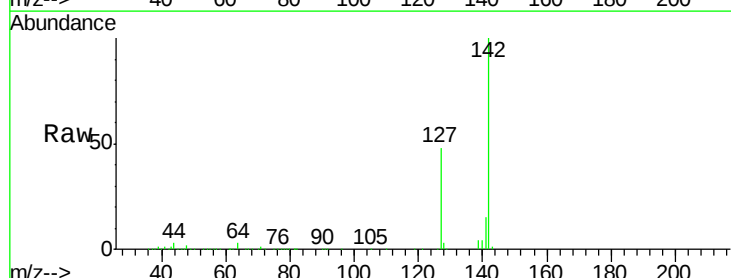
RT: 2.51 min Scan# 316

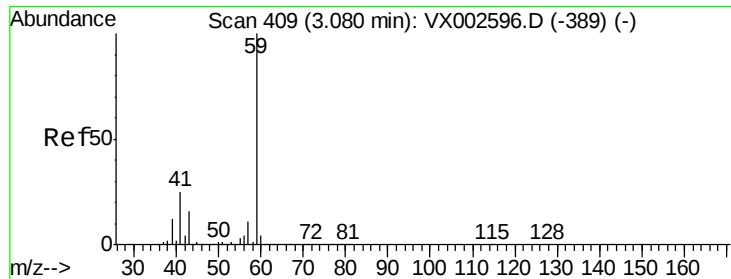
Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Tgt Ion:	142	Resp:	127529
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.6	55.0
141	14.3	11.3	16.9





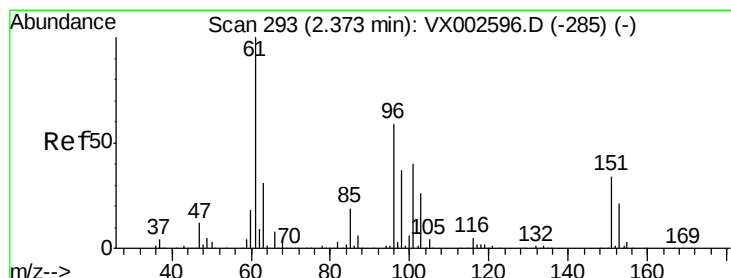
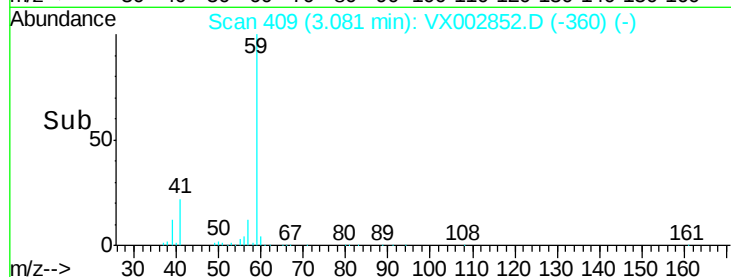
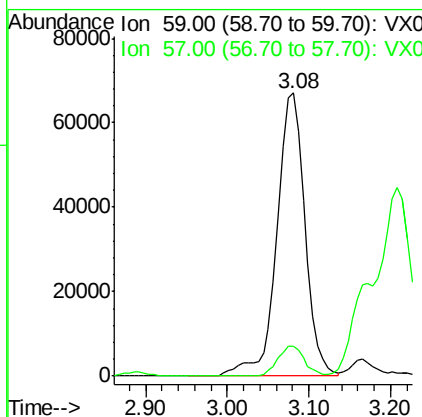
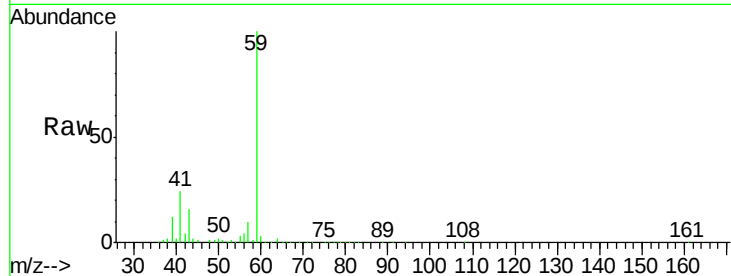
#11
Tert butyl alcohol
Concen: 204.79 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Instrument :
MSVOA_X
ClientSampleId :
S83-0020MS

Tot Ion	59	Resp	160457
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.2

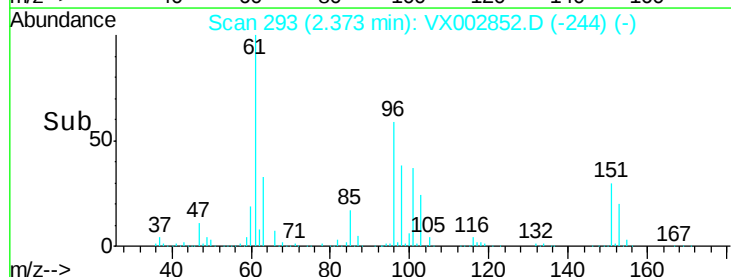
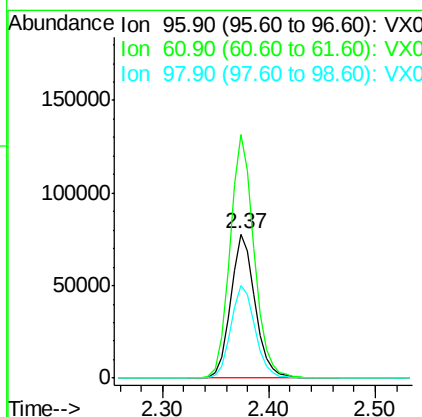
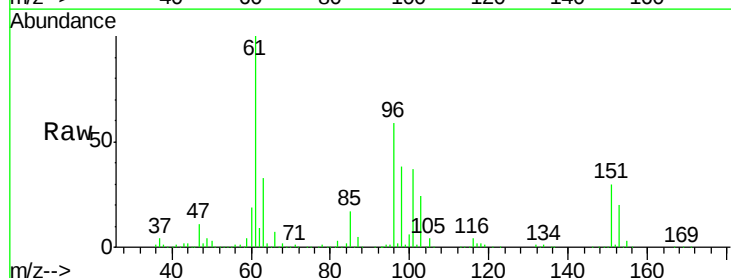
Manual Integrations
APPROVED

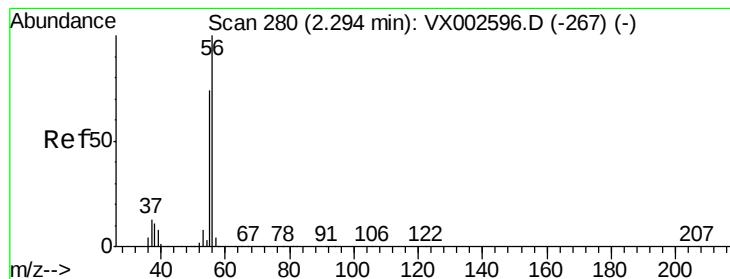
MMDadoda
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#12
1,1-Dichloroethene
Concen: 44.97 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Tgt Ion	96	Resp	125323
Ion Ratio	100	Lower	Upper
61	168.7	137.9	206.9
98	63.7	51.6	77.4





#13

Acrolein

Concen: 188.50 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion: 56 Resp: 68603

Ion Ratio Lower Upper

56 100

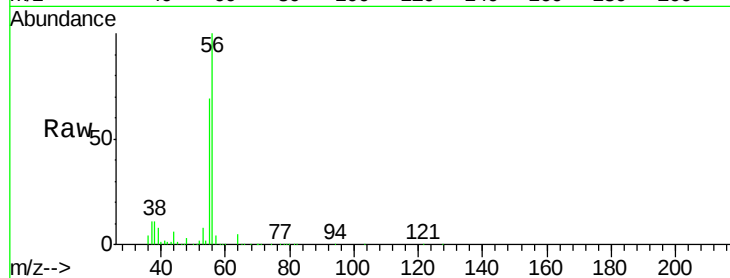
55 71.7 57.0 85.4

Manual Integrations

APPROVED

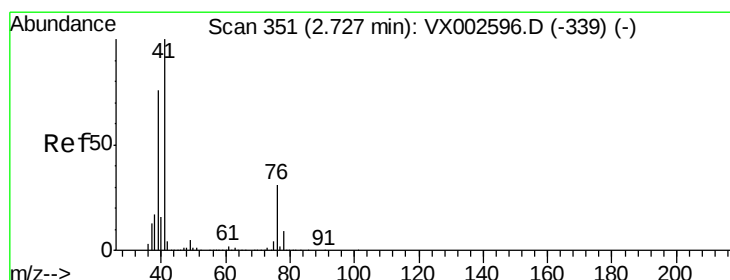
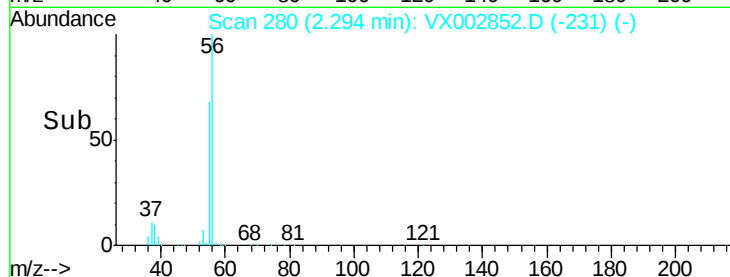
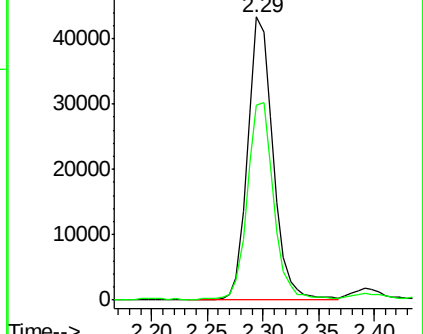
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 43.98 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

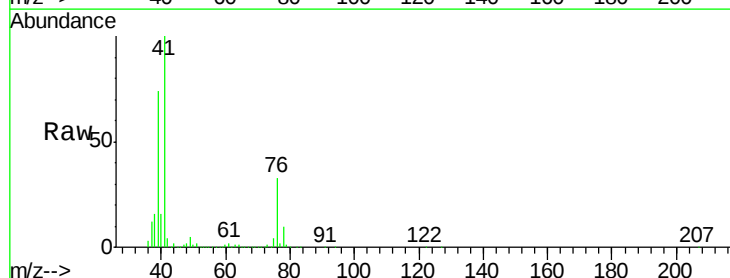
Tgt Ion: 41 Resp: 243341

Ion Ratio Lower Upper

41 100

39 70.7 56.8 85.2

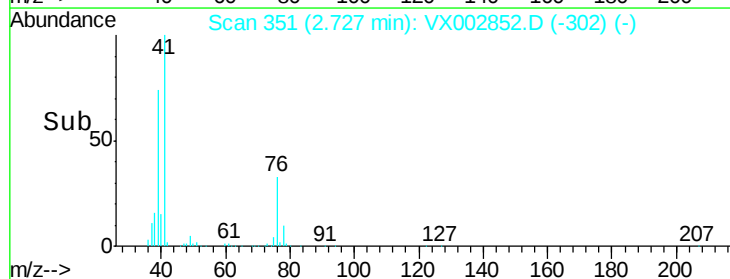
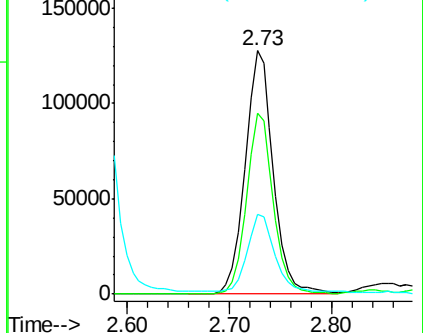
76 33.1 23.8 35.8

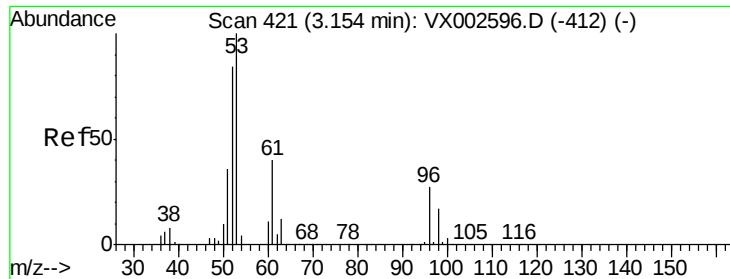


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 224.52 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

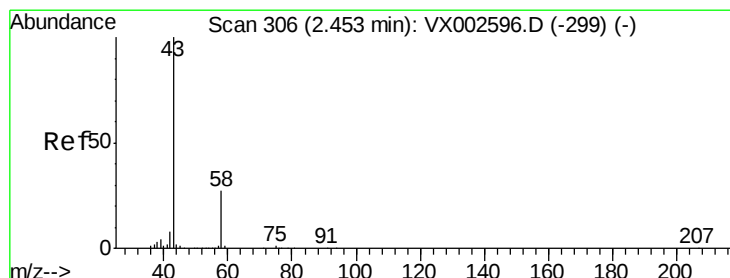
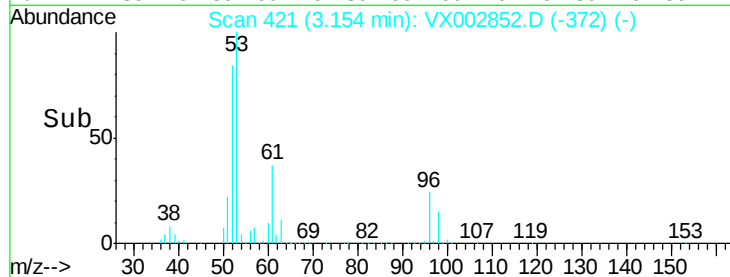
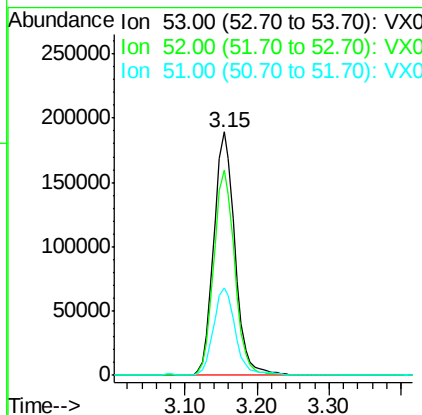
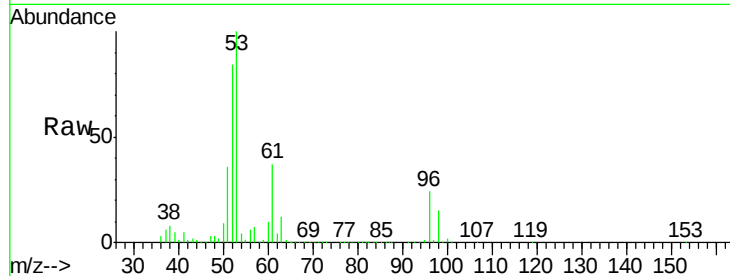
ClientSampled :

S83-0020MS

Tot Ion:	53	Resp:	383887
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.7	100.1
51	37.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 218.38 ug/l

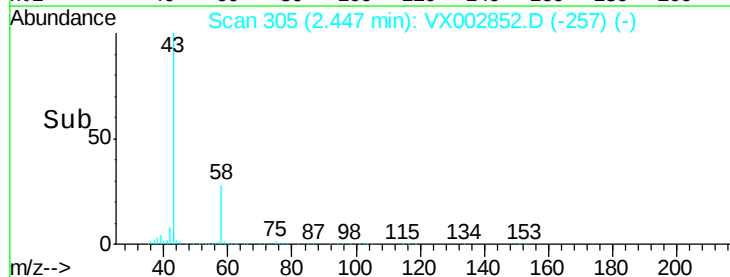
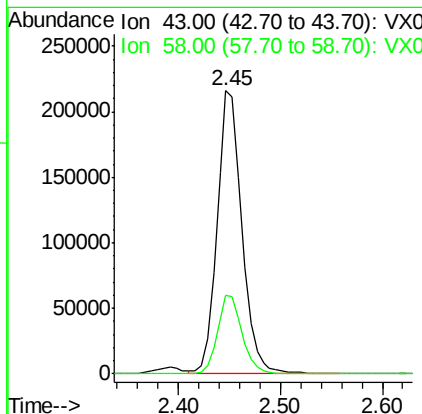
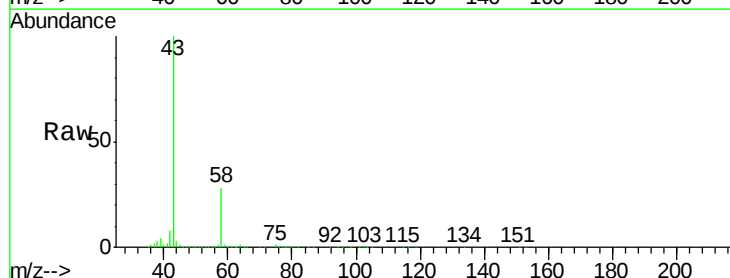
RT: 2.45 min Scan# 305

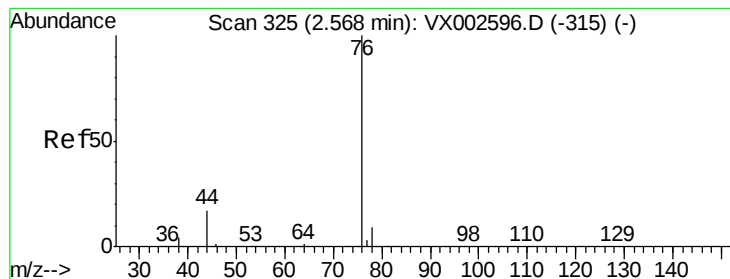
Delta R.T. -0.01 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Tgt Ion:	43	Resp:	365174
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.1	33.1





#17

Carbon Disulfide

Concen: 51.20 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion: 76 Resp: 338431

Ion Ratio Lower Upper

76 100

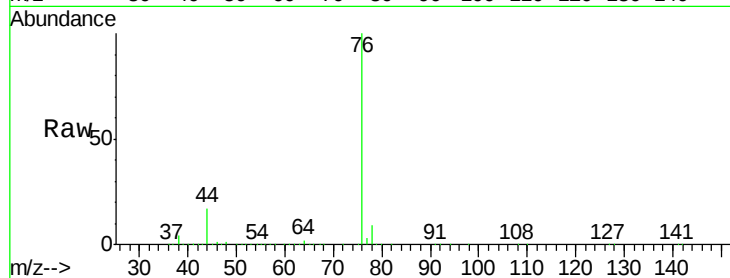
78 9.1 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

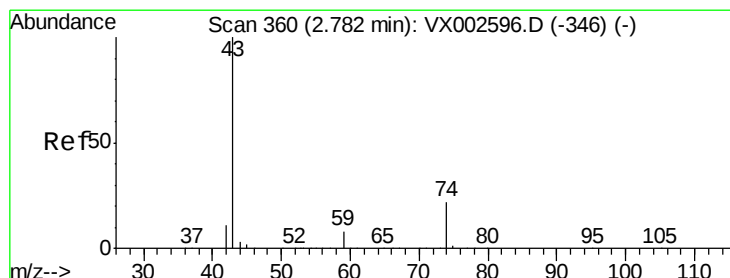
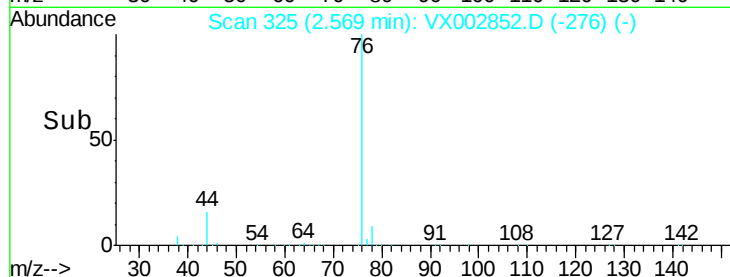
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.42 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002852.D

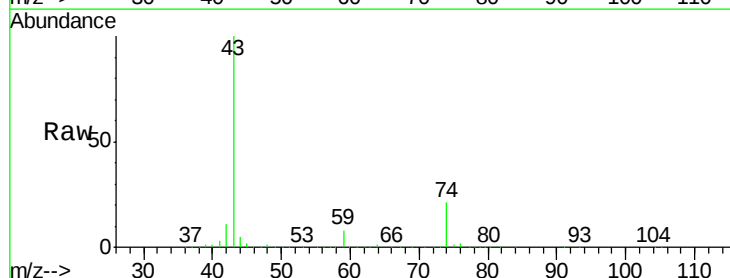
Acq: 23 Jun 2018 00:51

Tgt Ion: 43 Resp: 202334

Ion Ratio Lower Upper

43 100

74 21.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

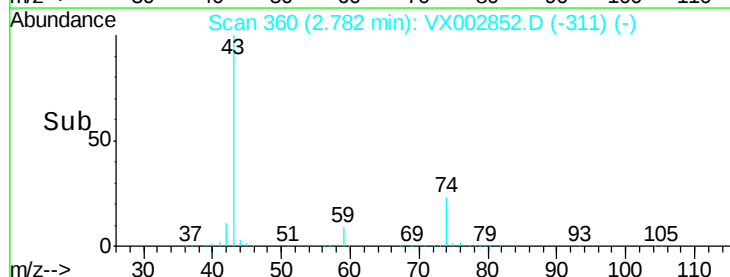
2.78

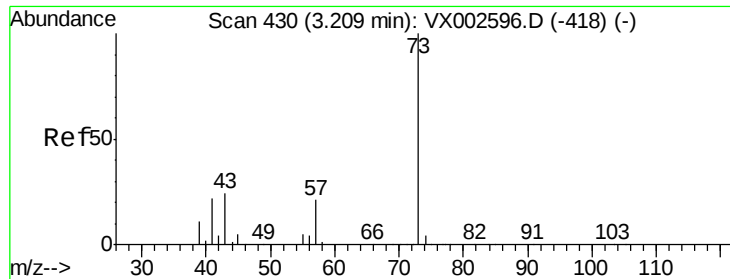
100000

50000

0

Time-->





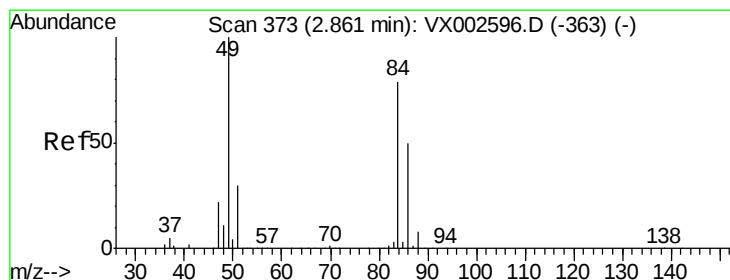
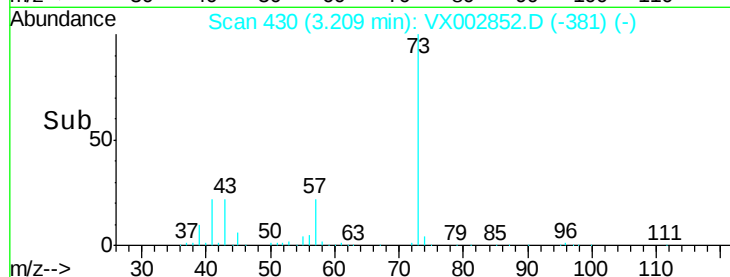
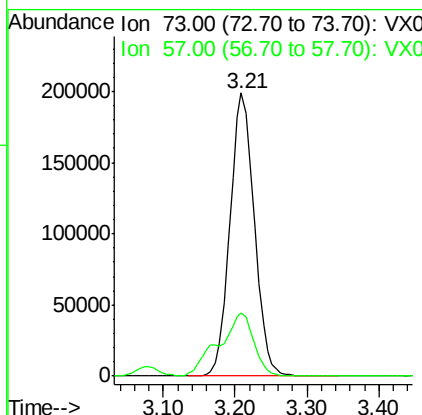
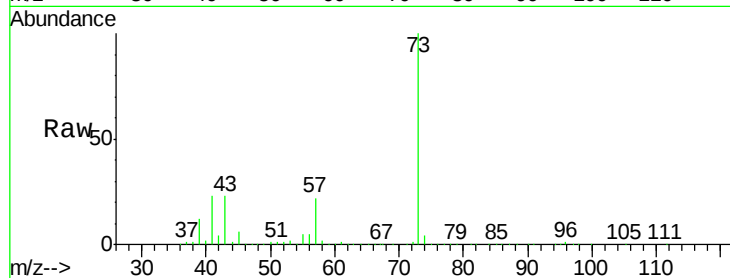
#19
Methyl tert-butyl Ether
Concen: 44.74 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Instrument :
MSVOA_X
ClientSampleId :
S83-0020MS

Tot Ion: 73 Resp: 467785
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5

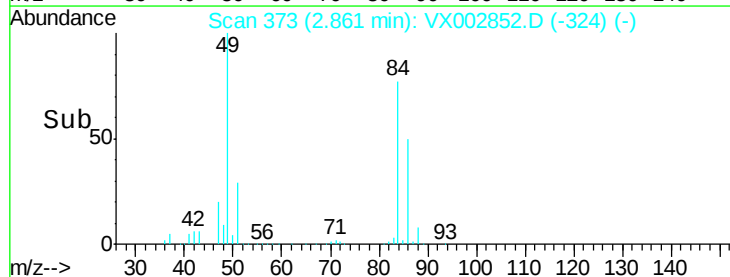
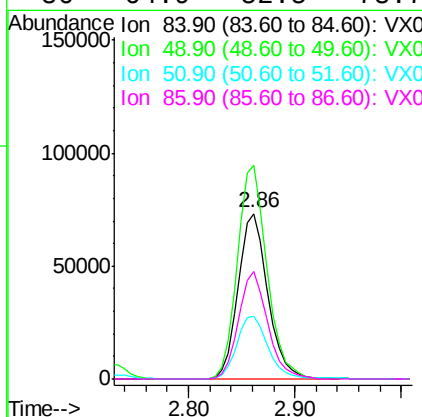
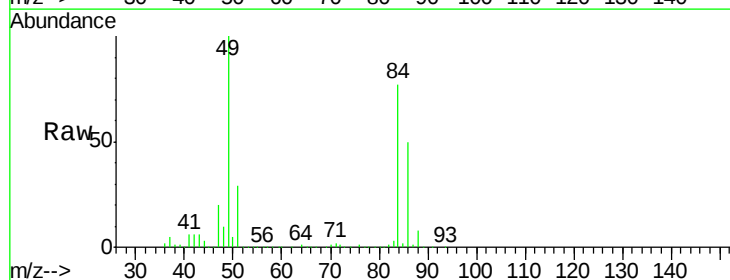
Manual Integrations
APPROVED

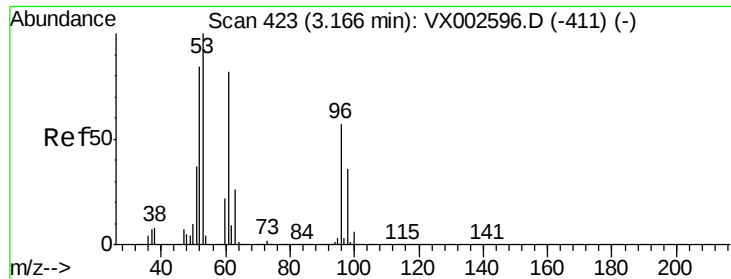
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#20
Methylene Chloride
Concen: 41.96 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Tgt Ion: 84 Resp: 143855
Ion Ratio Lower Upper
84 100
49 129.3 107.8 161.6
51 37.8 32.8 49.2
86 64.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 45.02 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

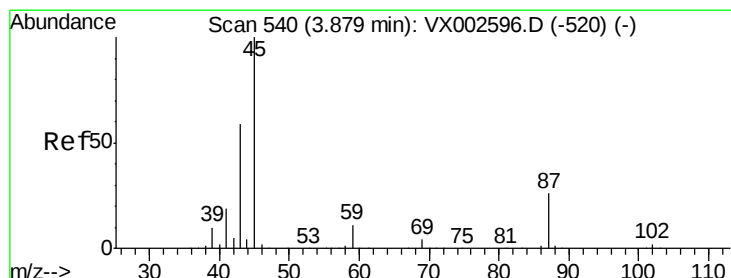
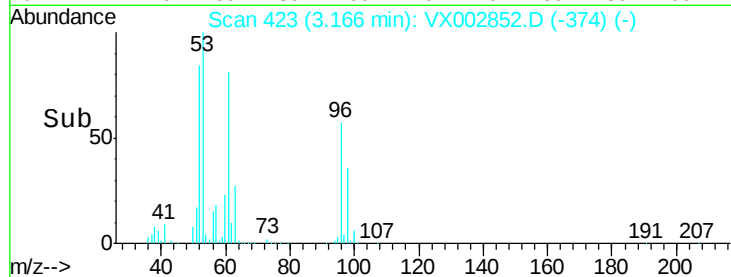
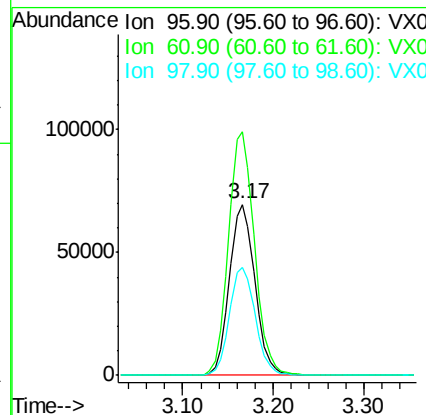
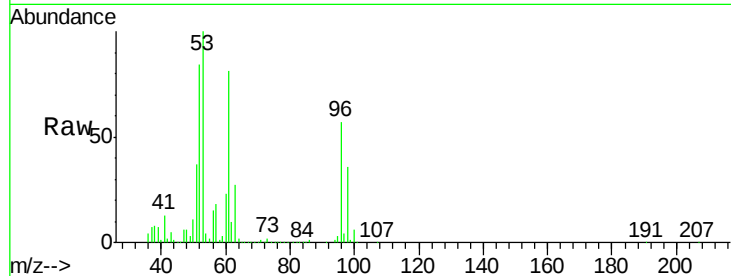
ClientSampled :

S83-0020MS

Tot Ion:	96	Resp:	136107
Ion	Ratio	Lower	Upper
96	100		
61	142.2	117.0	175.4
98	63.1	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.97 ug/l

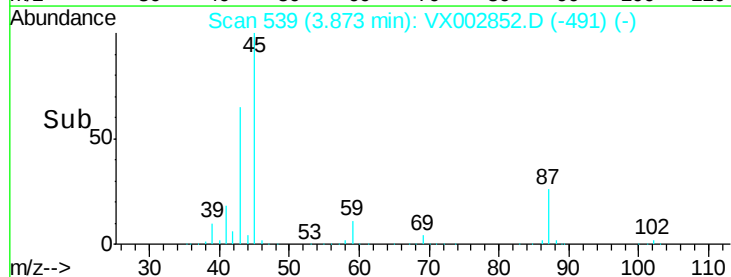
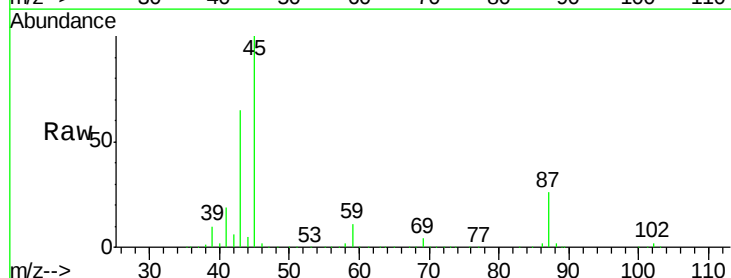
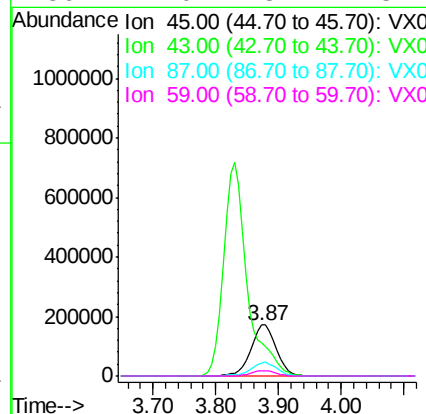
RT: 3.87 min Scan# 539

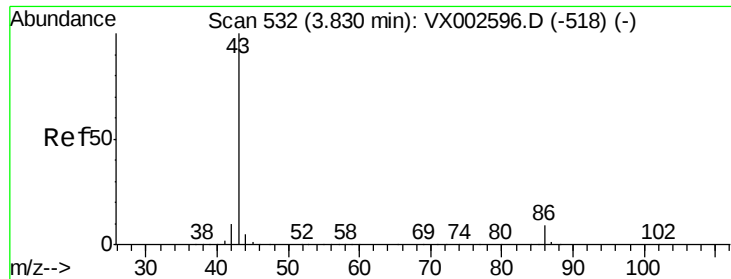
Delta R.T. -0.01 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Tgt Ion:	45	Resp:	480200
Ion	Ratio	Lower	Upper
45	100		
43	64.7	46.8	70.2
87	26.3	20.2	30.4
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 223.48 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion: 43 Resp: 1872549

Ion Ratio Lower Upper

43 100

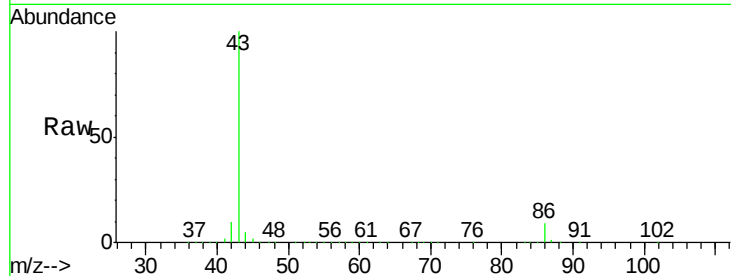
86 9.5 7.4 11.0

Manual Integrations

APPROVED

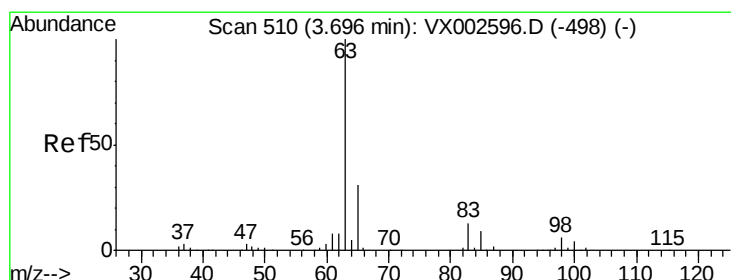
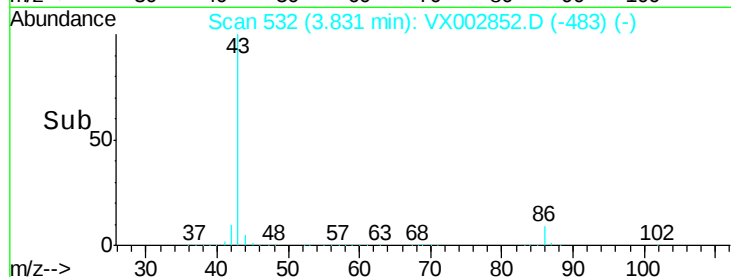
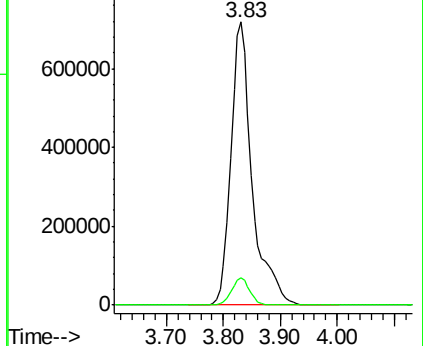
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.28 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

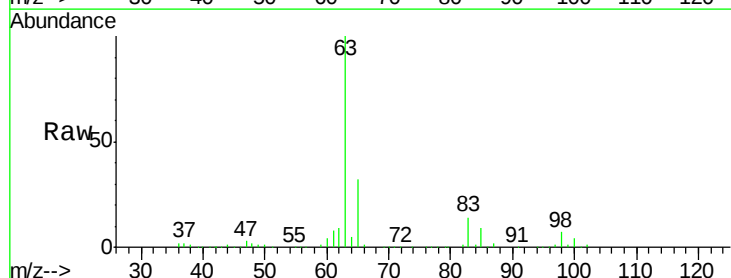
Tgt Ion: 63 Resp: 256879

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

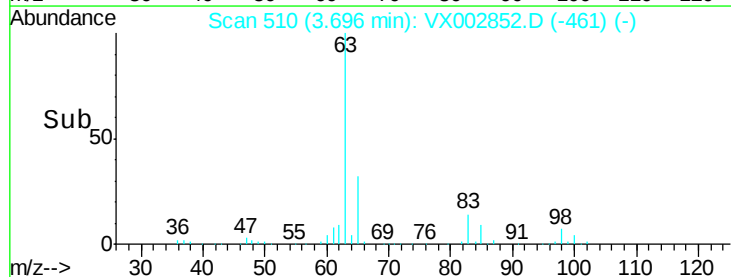
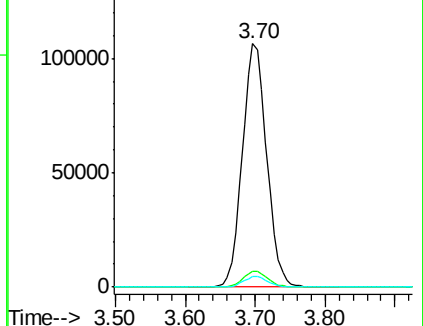
100 4.4 2.0 6.0

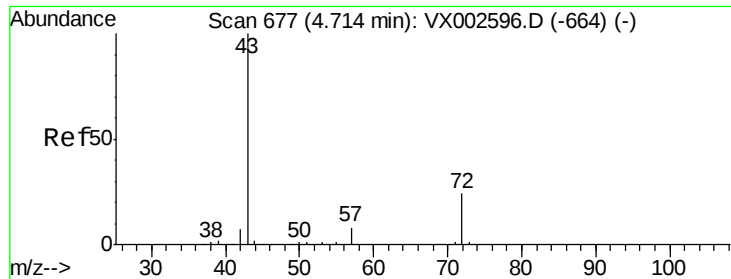


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 242.12 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion: 43 Resp: 531717

Ion Ratio Lower Upper

43 100

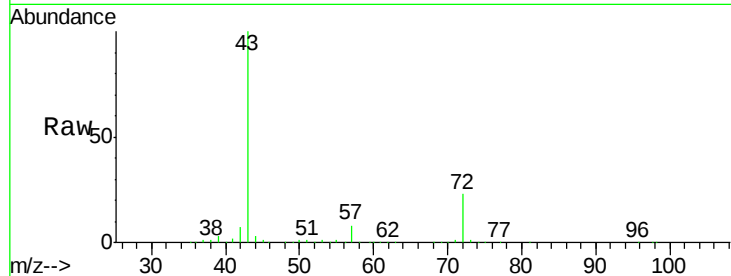
72 23.4 18.5 27.7

Manual Integrations

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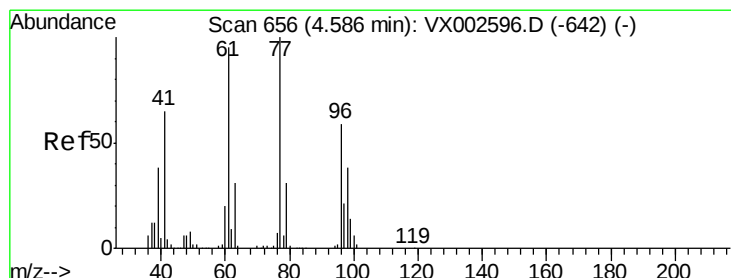
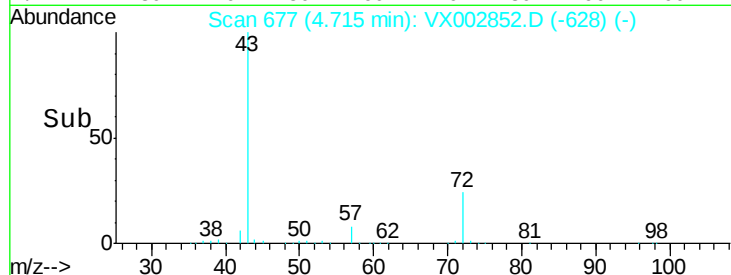
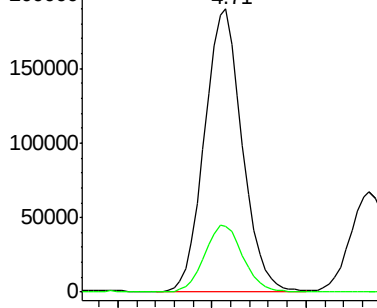
MMDadoda

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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: 41.09 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002852.D

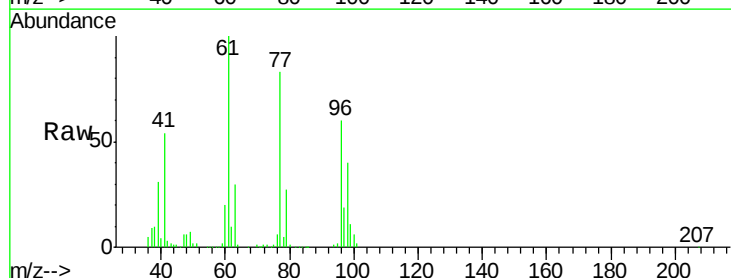
Acq: 23 Jun 2018 00:51

Tgt Ion: 77 Resp: 160414

Ion Ratio Lower Upper

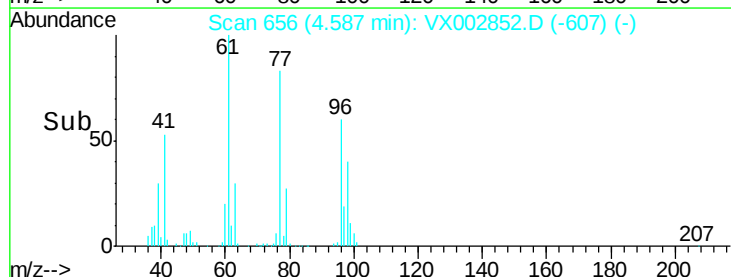
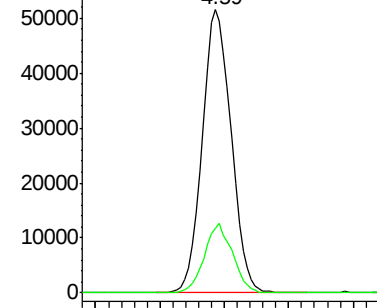
77 100

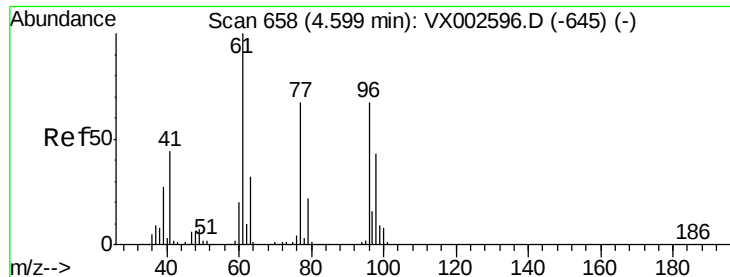
97 23.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

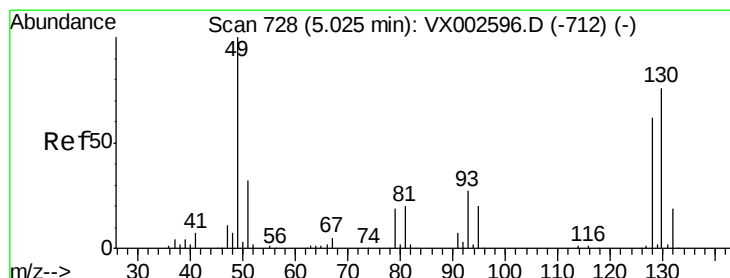
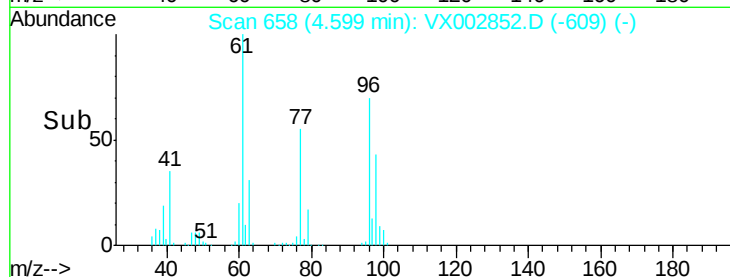
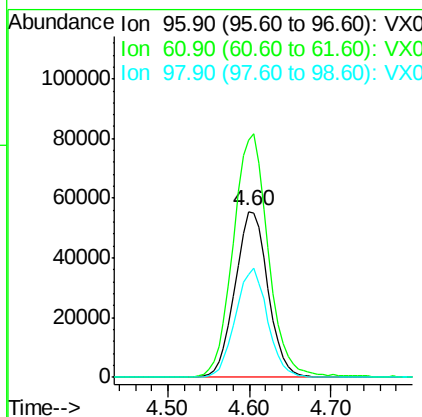
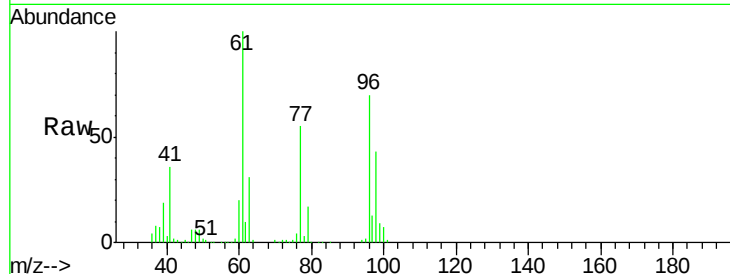
cis-1,2-Dichloroethene
Concen: 50.57 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Instrument :
MSVOA_X
ClientSampleId :
S83-0020MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	15557		
61	156.7	0.0	330.2	
98	64.4	0.0	130.2	

Manual Integrations
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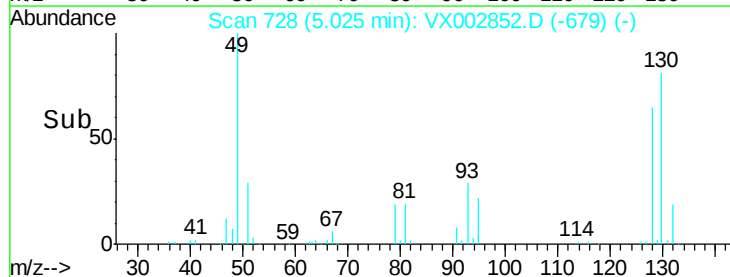
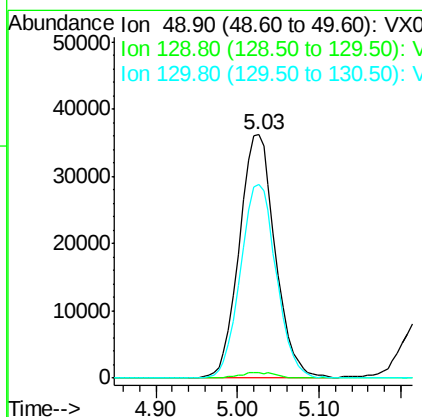
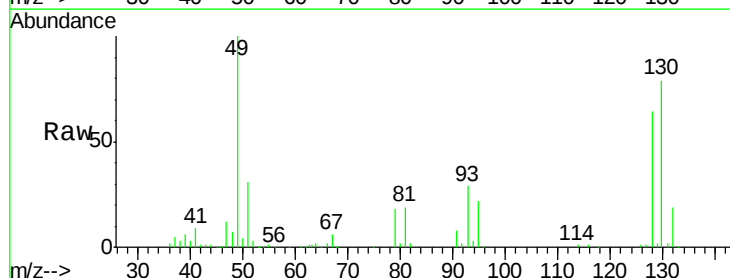
MMDadoda
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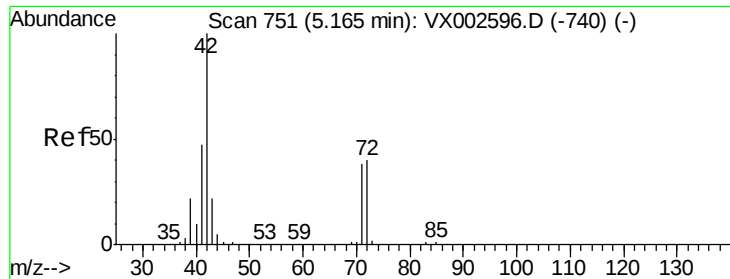


#28

Bromochloromethane
Concen: 43.57 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110874		
129	2.2	0.0	4.2	
130	79.6	61.2	91.8	





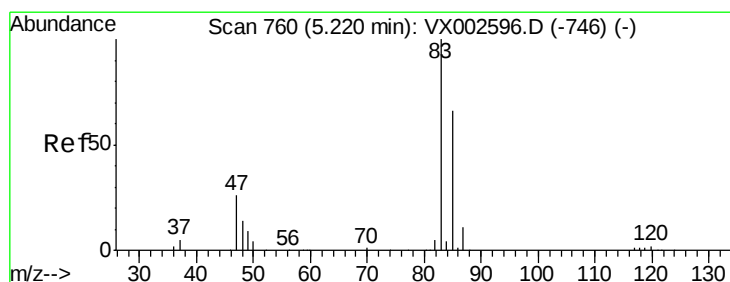
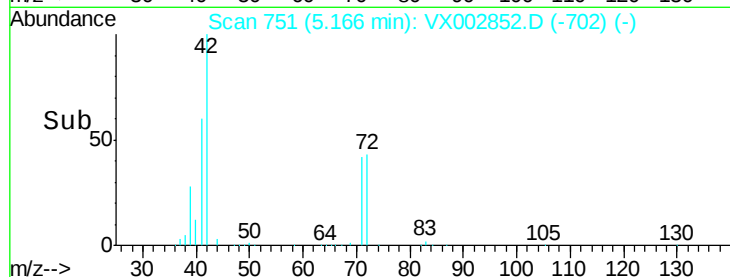
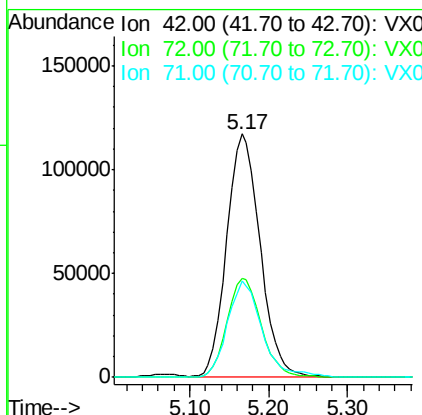
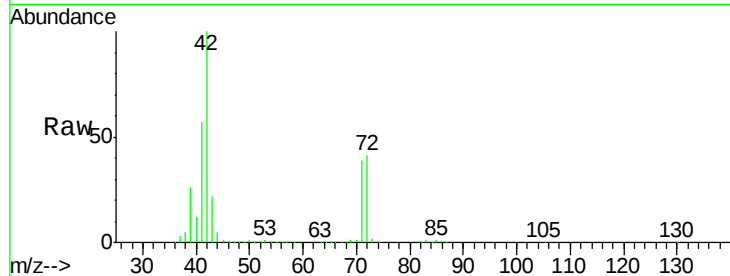
#29
Tetrahydrofuran
Concen: 239.65 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Instrument :
MSVOA_X
ClientSampleId :
S83-0020MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.0	48.0
71	41.2	30.1	45.1

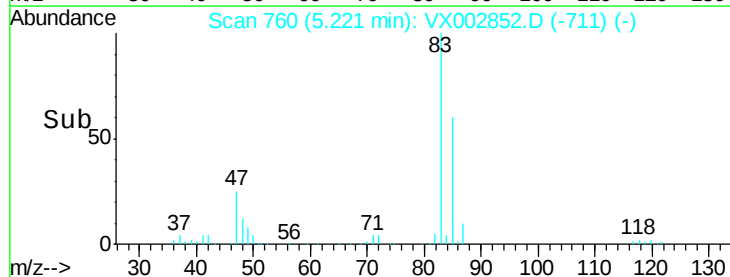
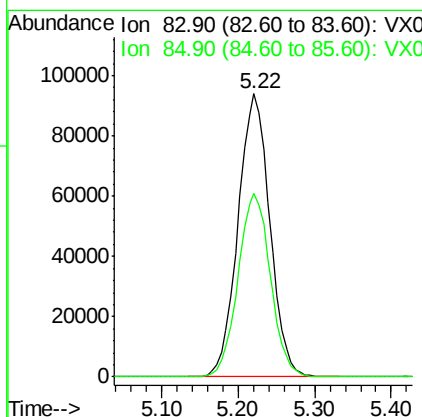
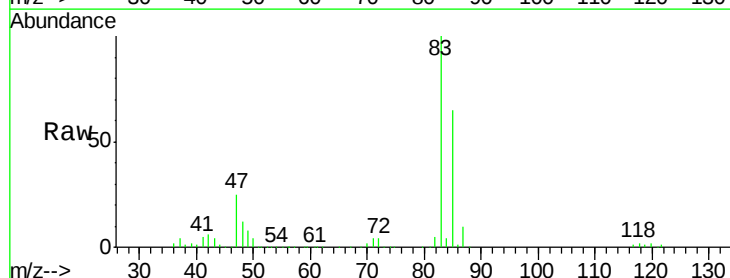
Manual Integrations
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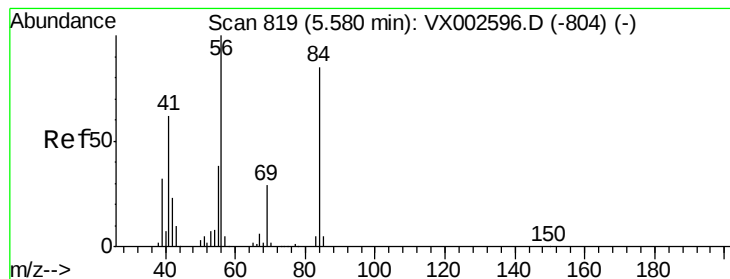
MMDadoda
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#30
Chloroform
Concen: 51.72 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.4	75.6





#31

Cyclohexane

Concen: 55.43 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

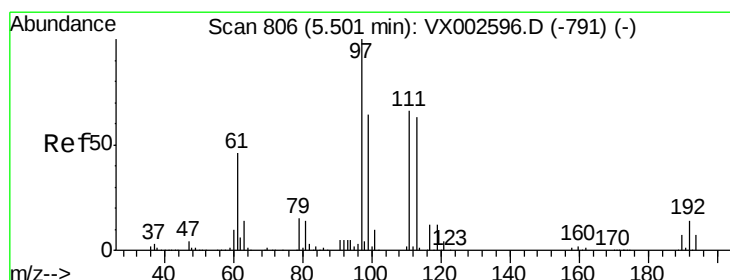
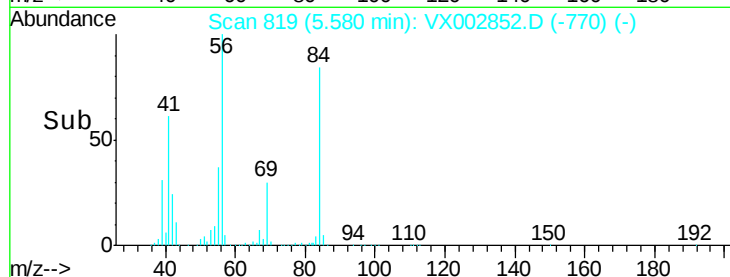
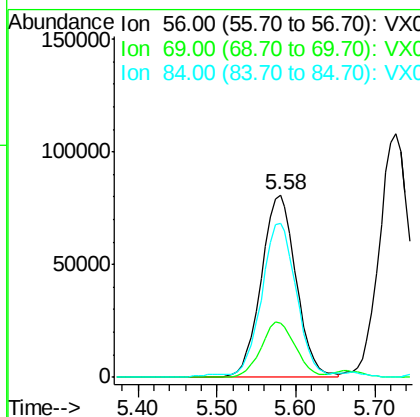
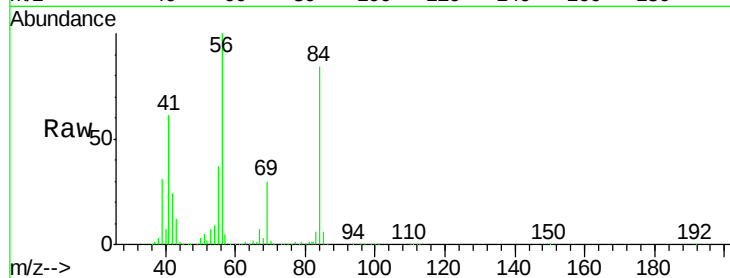
ClientSampled :

S83-0020MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.7	35.5
84	84.0	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.93 ug/l

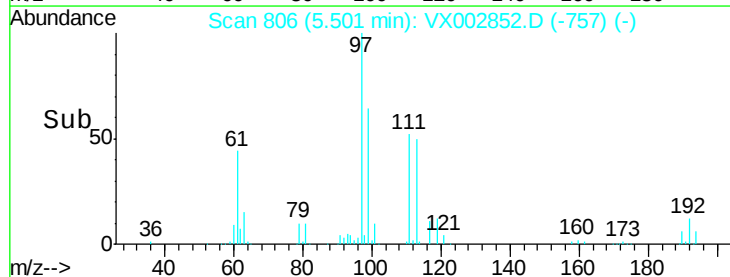
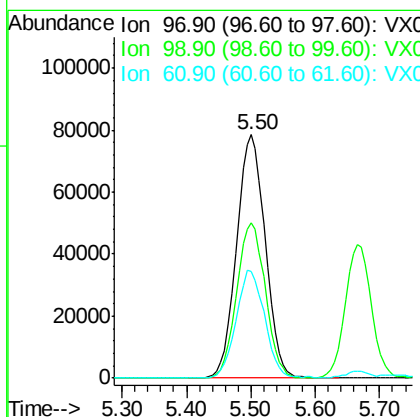
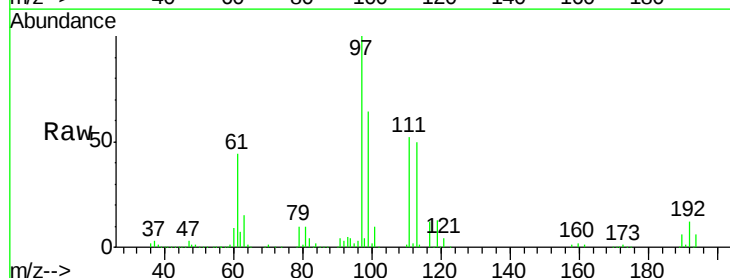
RT: 5.50 min Scan# 806

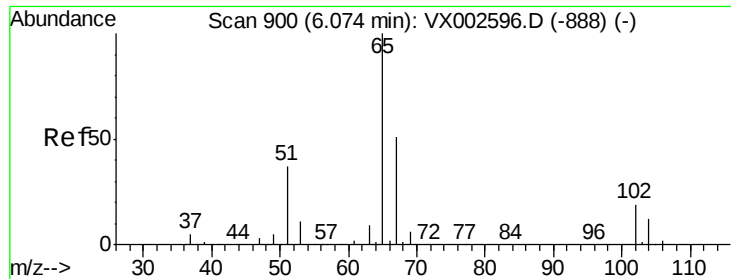
Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	44.2	36.4	54.6





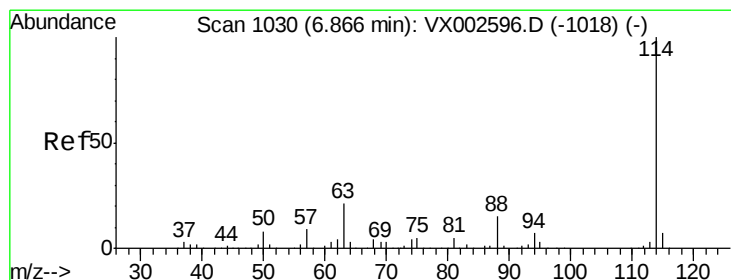
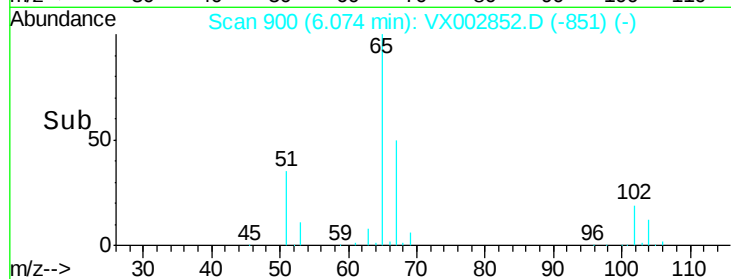
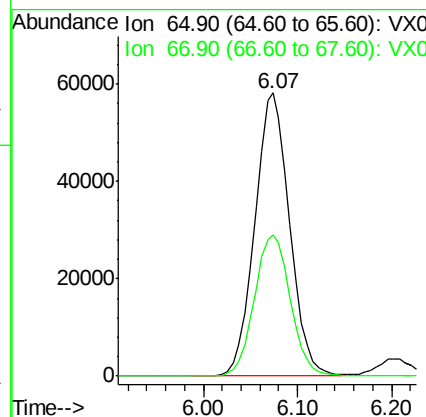
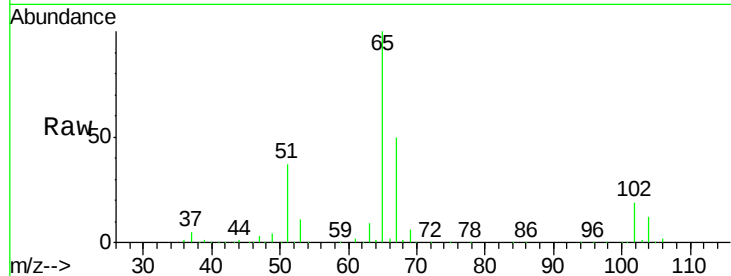
#33
 1,2-Dichloroethane-d4
 Concen: 39.61 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	150147		
67	51.8	0.0	102.6	

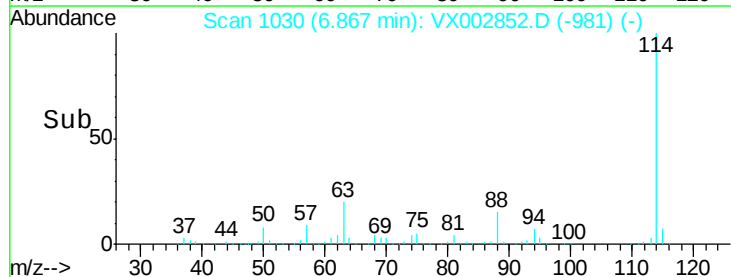
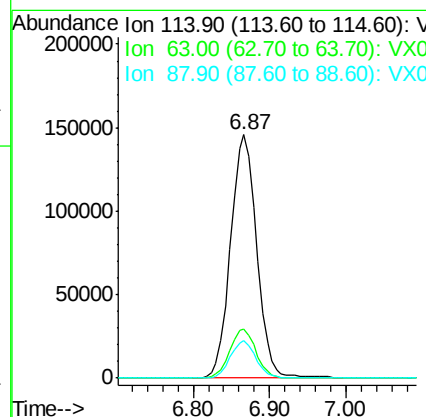
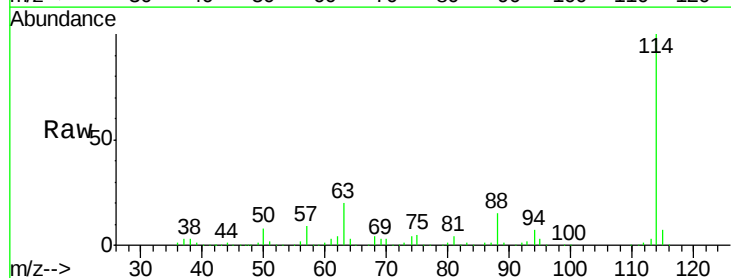
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	344994		
63	20.2	0.0	41.4	
88	15.5	0.0	30.0	





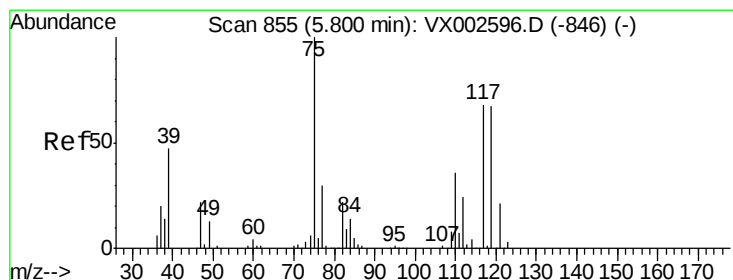
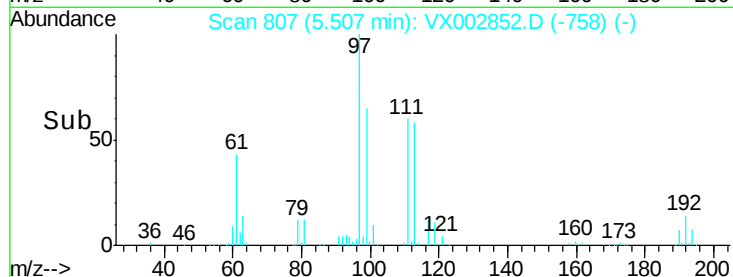
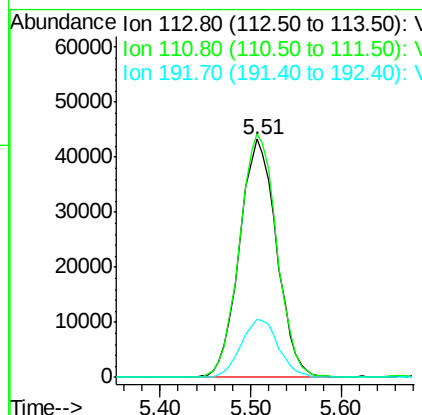
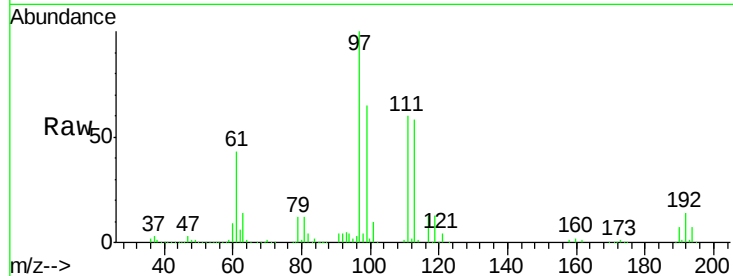
#35
 Dibromofluoromethane
 Concen: 44.63 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	122872		
111	102.6	81.4	122.0	
192	24.5	19.1	28.7	

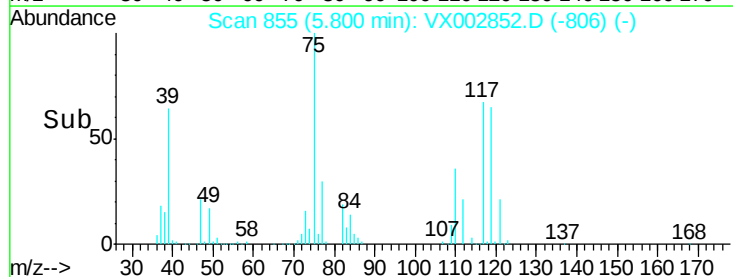
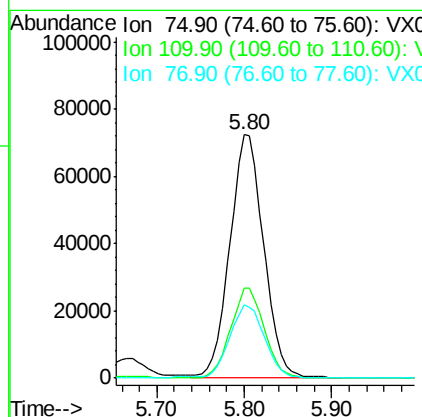
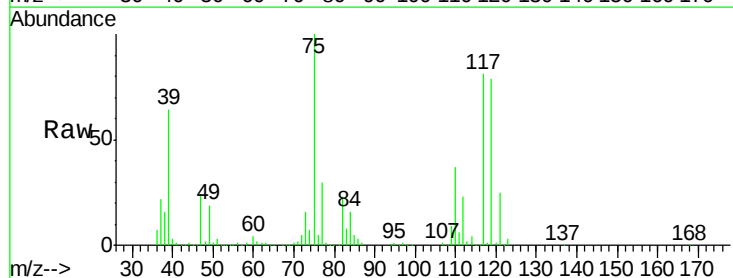
Manual Integrations
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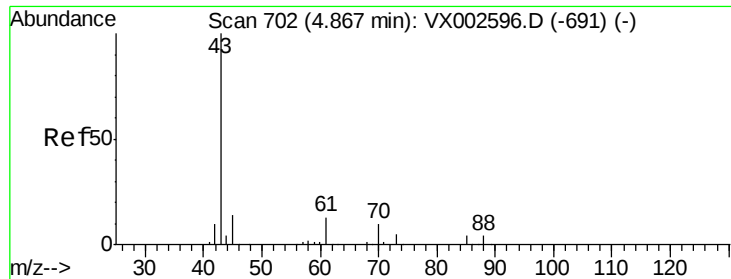
MMDadoda
 6/25/2018 6:56:08 PM



#36
 1,1-Dichloropropene
 Concen: 52.79 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	193432		
110	37.0	18.1	54.4	
77	30.9	24.3	36.5	





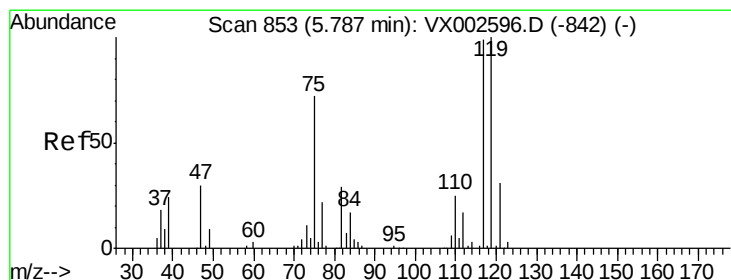
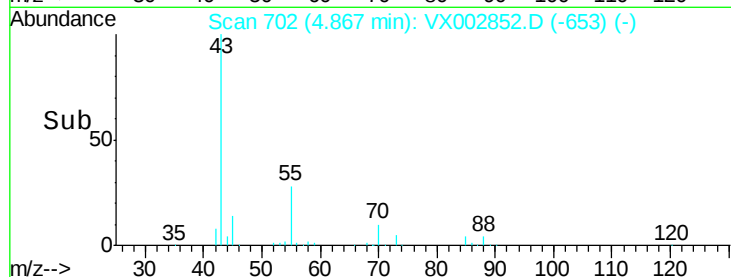
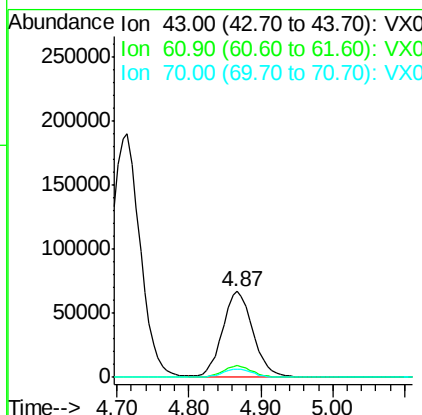
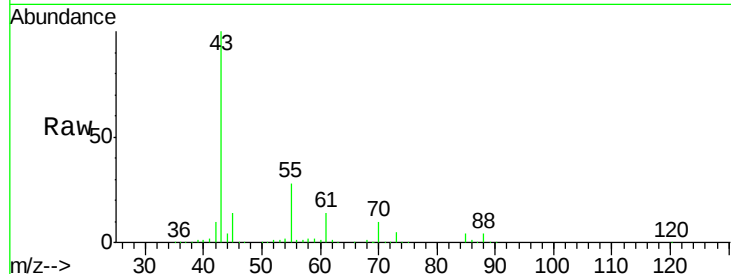
#37
Ethyl Acetate
Concen: 47.36 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Instrument :
MSVOA_X
ClientSampleId :
S83-0020MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	9.7	7.6	11.4

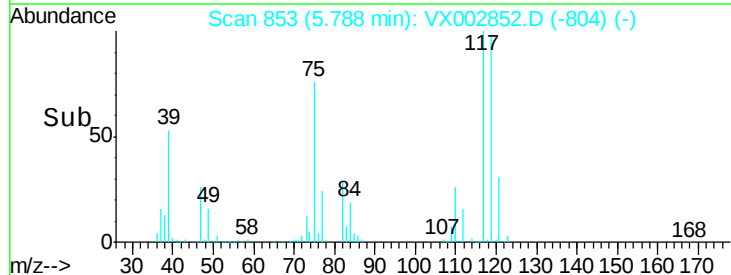
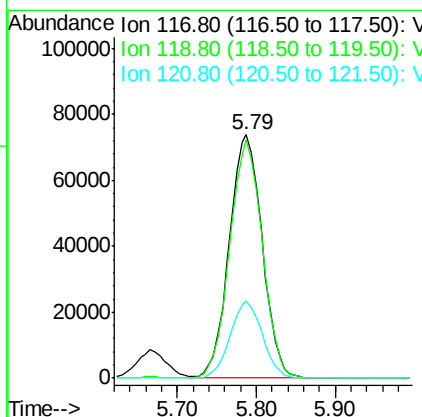
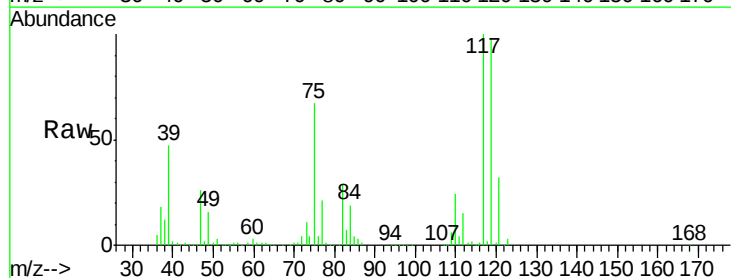
Manual Integrations
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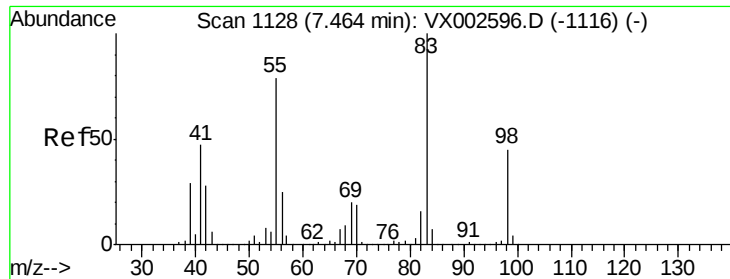
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#38
Carbon Tetrachloride
Concen: 58.79 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.4	116.0
121	31.6	24.4	36.6





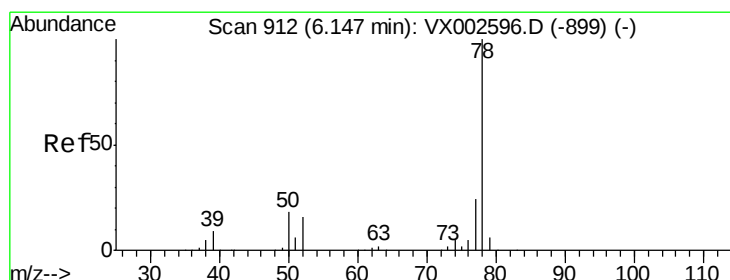
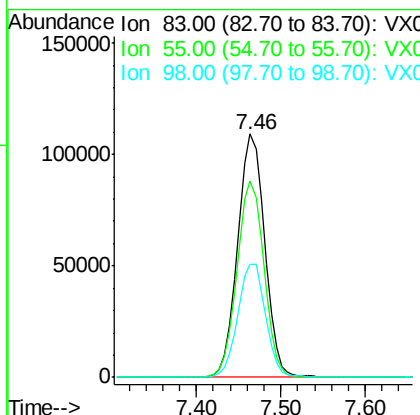
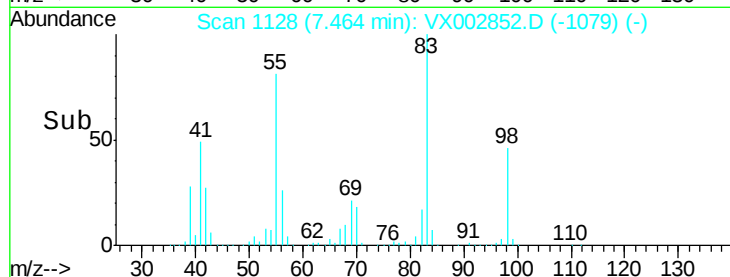
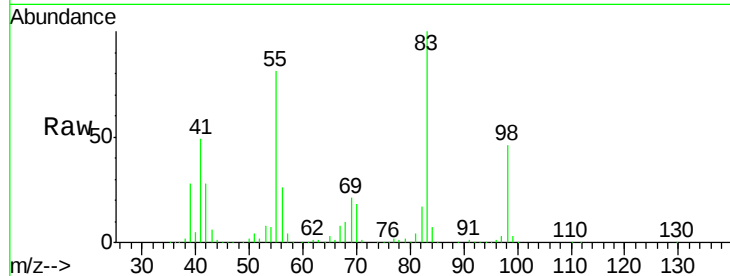
#39
Methvlcvclohexane
Concen: 55.12 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Instrument :
MSVOA_X
ClientSampleId :
S83-0020MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	236102		
55	80.4		65.4	98.0
98	46.5		37.4	56.0

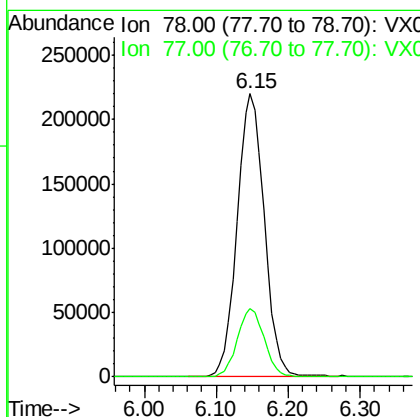
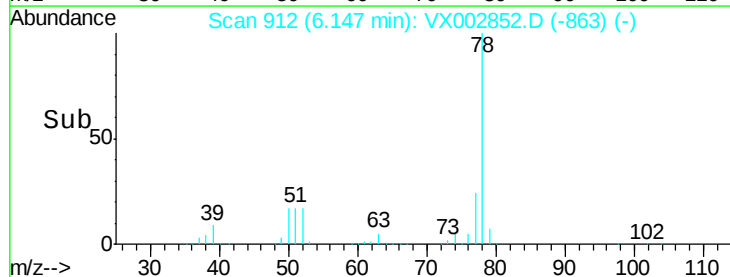
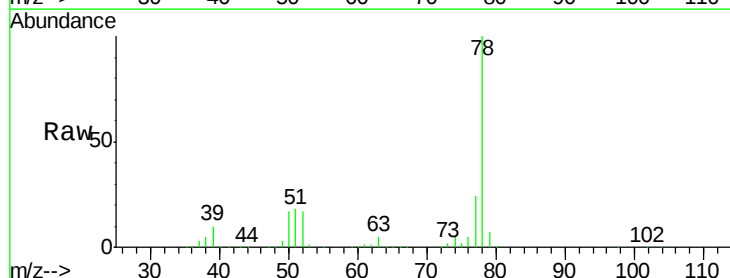
Manual Integrations
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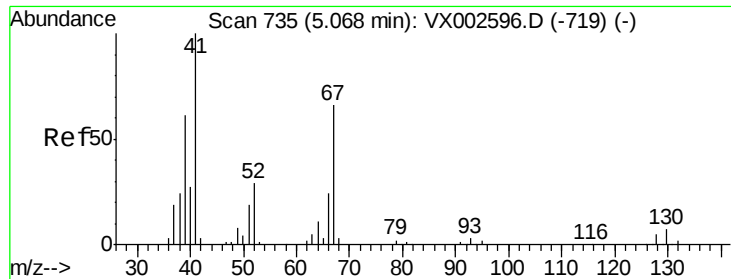
MMDadoda
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#40
Benzene
Concen: 52.57 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	577619		
77	24.1		19.1	28.7





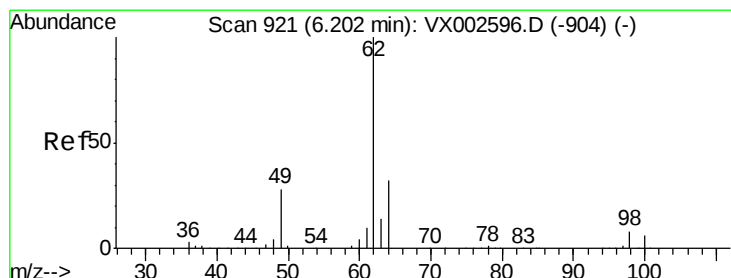
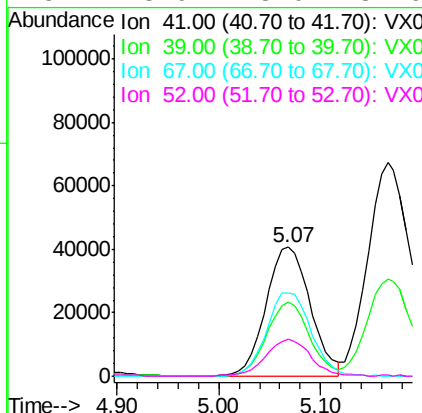
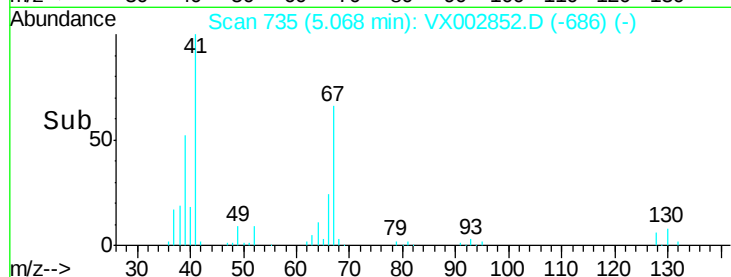
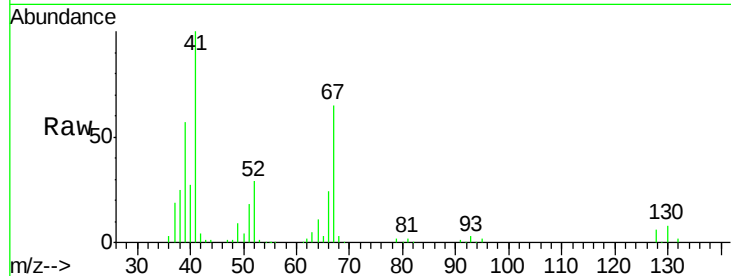
#41
Methacrylonitrile
Concen: 52.11 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Instrument :
MSVOA_X
ClientSampleId :
S83-0020MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.3	45.8	68.6		
67	66.1	51.3	76.9		
52	28.9	23.0	34.6		

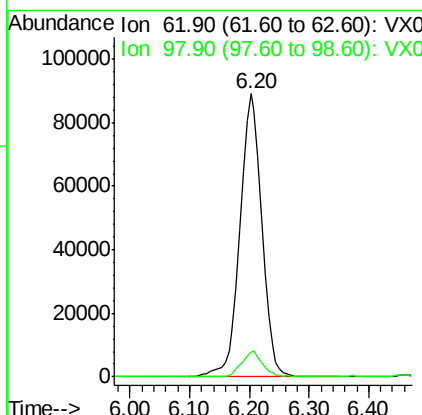
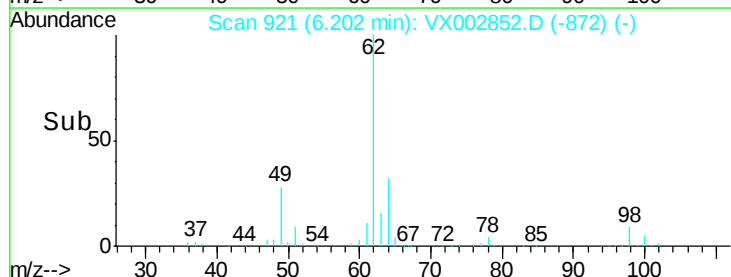
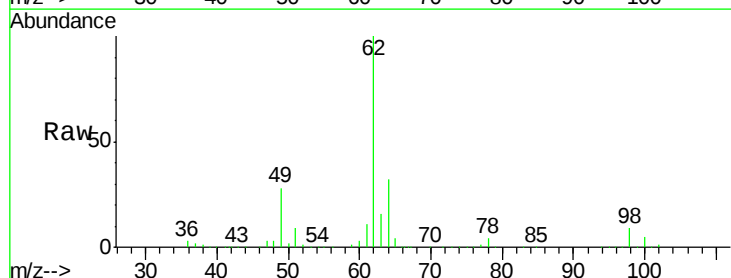
Manual Integrations
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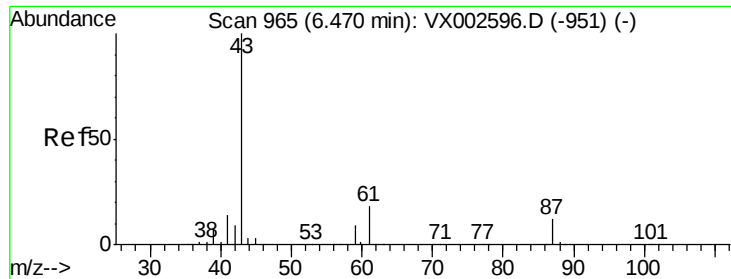
MMDadoda
6/25/2018 6:56:08 PM



#42
1,2-Dichloroethane
Concen: 53.62 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.0	0.0	16.6		





#43

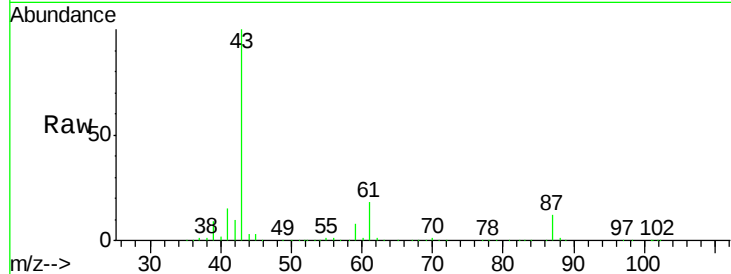
Isopropyl Acetate
 Concen: 49.05 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

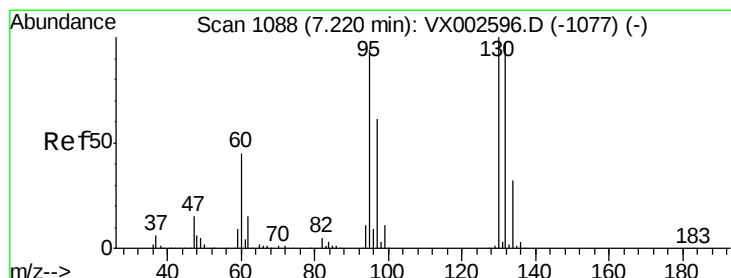
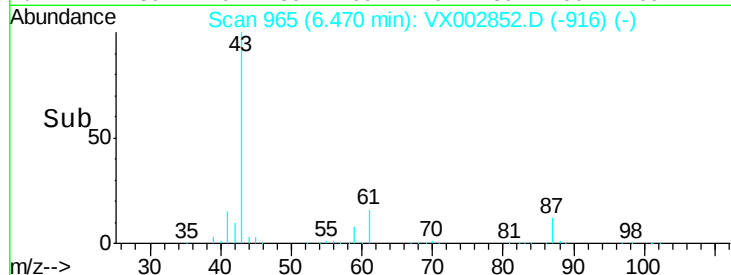
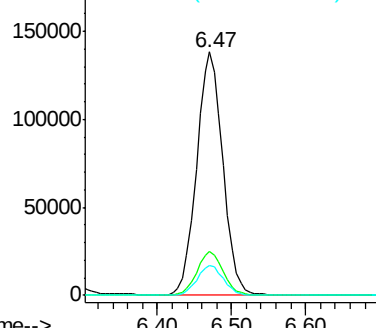
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.4	21.6
87	12.5	9.5	14.3

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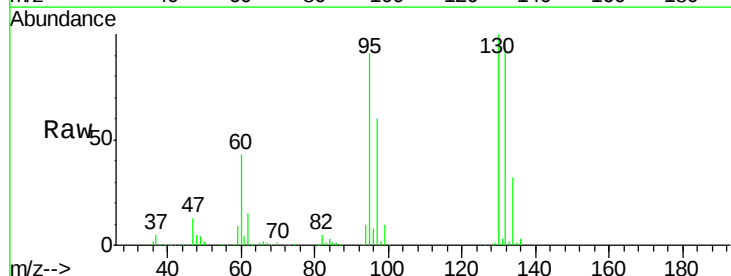
Abundance Ion 43.00 (42.70 to 43.70): VX002596.D (-951) (-)



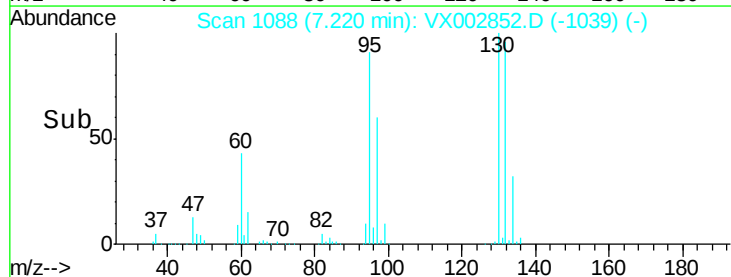
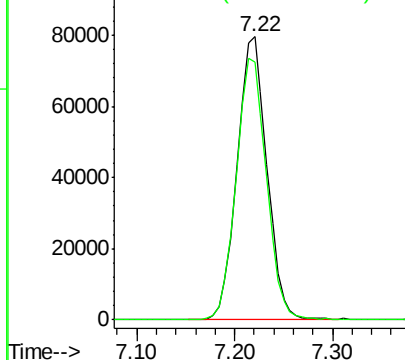
#44

Trichloroethene
 Concen: 53.25 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	185.4



Abundance Ion 129.80 (129.50 to 130.50): VX002596.D (-1077) (-)





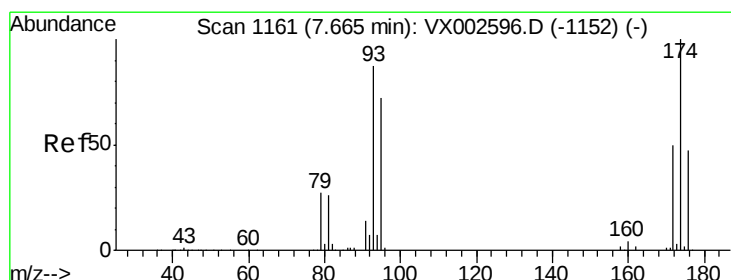
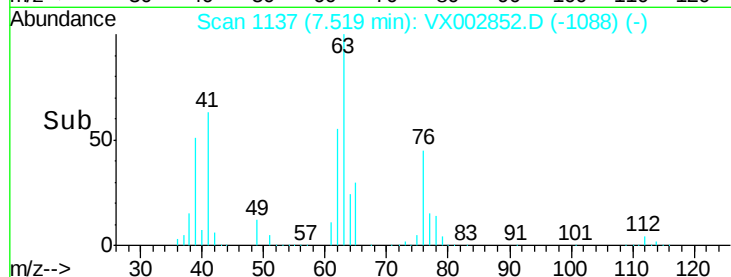
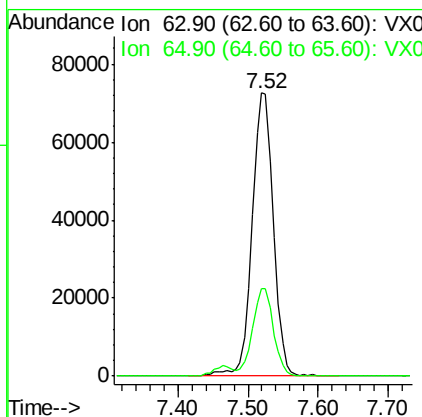
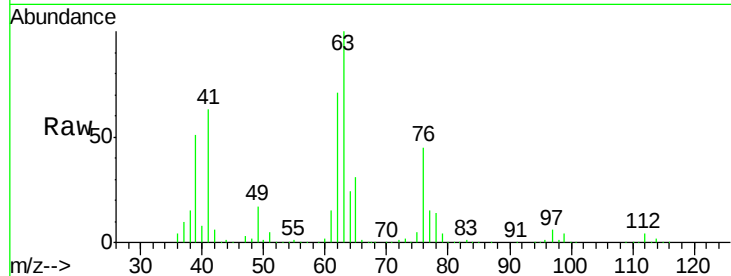
#45
 1,2-Dichloropropane
 Concen: 52.82 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

Tot Ion: 63 Resp: 152717
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

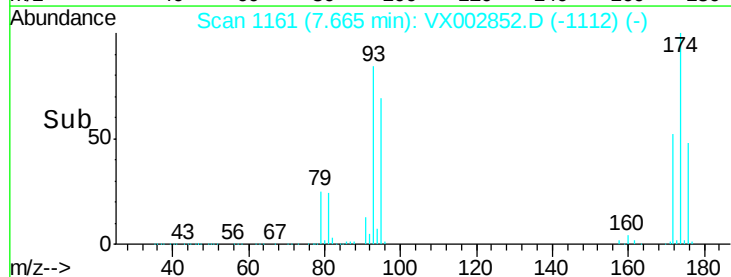
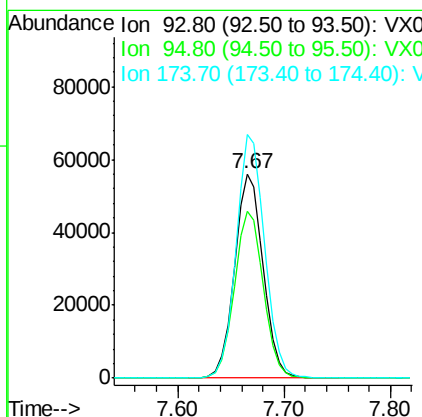
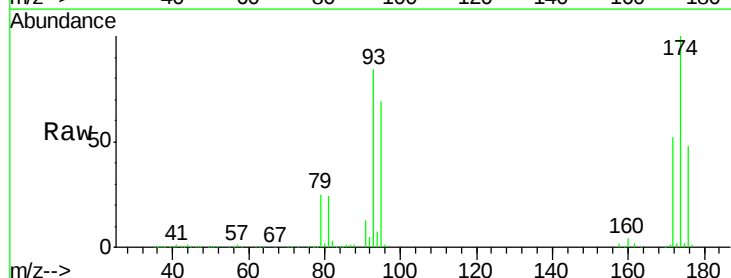
Manual Integrations
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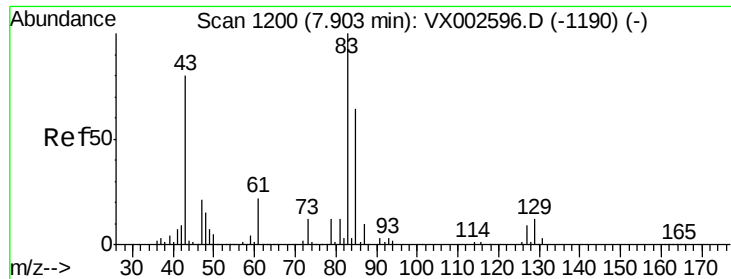
MMDadoda
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#46
 Dibromomethane
 Concen: 54.65 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Tgt Ion: 93 Resp: 105712
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.9 98.9
 174 118.9 92.4 138.6





#47

Bromodichloromethane

Concen: 58.84 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

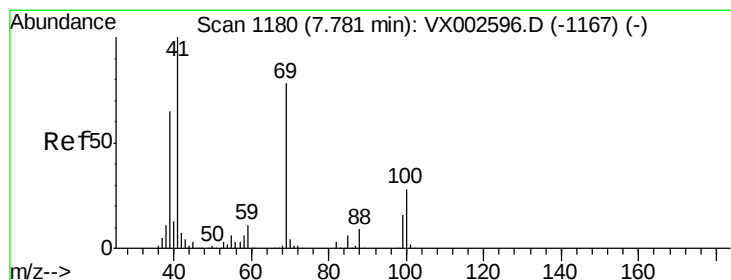
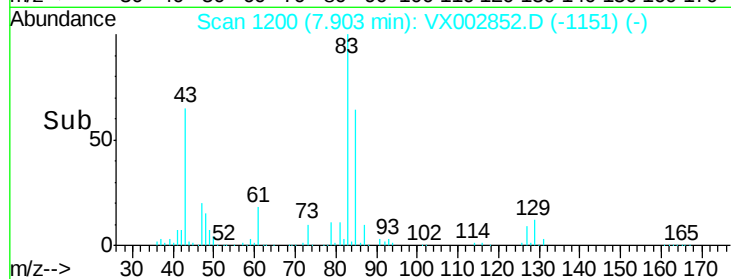
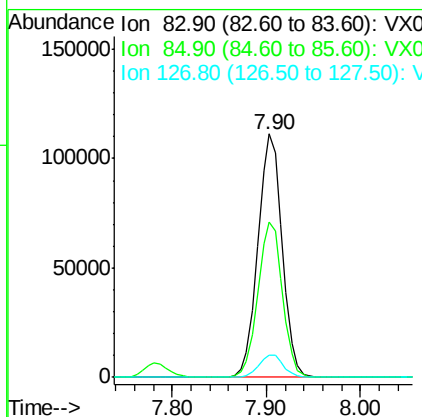
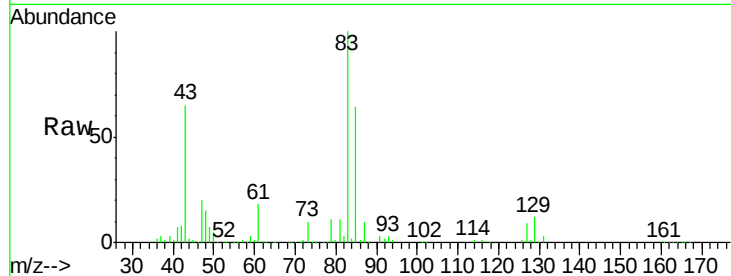
ClientSampleId :

S83-0020MS

Tot Ion:	83	Resp:	200740
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.3	75.5
127	9.3	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.69 ug/l

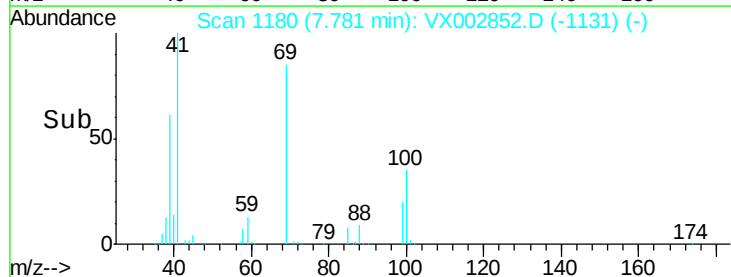
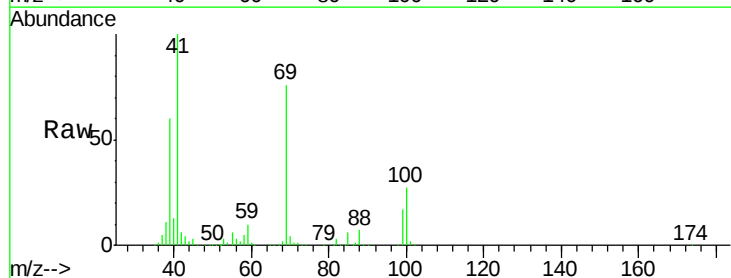
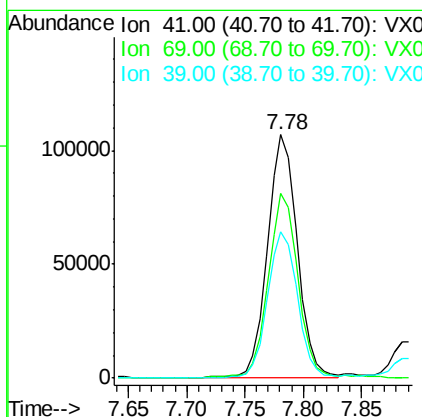
RT: 7.78 min Scan# 1180

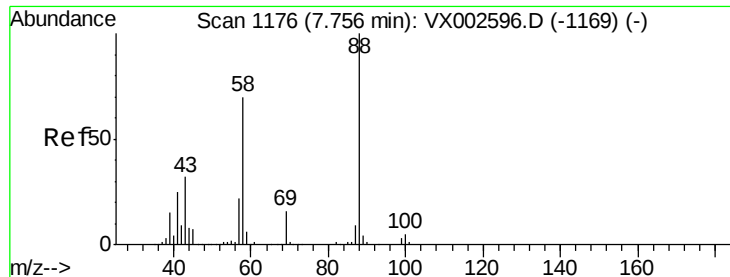
Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Tgt Ion:	41	Resp:	188528
Ion	Ratio	Lower	Upper
41	100		
69	77.1	59.1	88.7
39	61.2	48.9	73.3





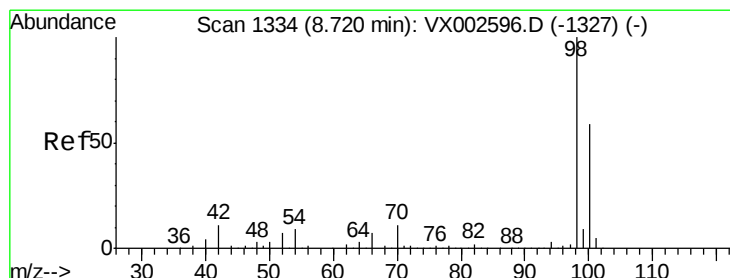
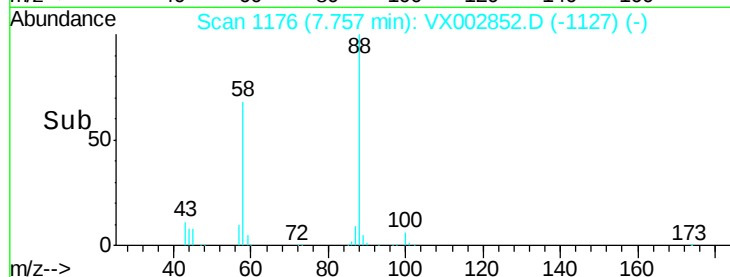
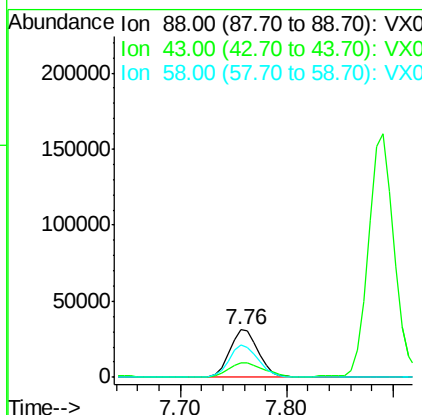
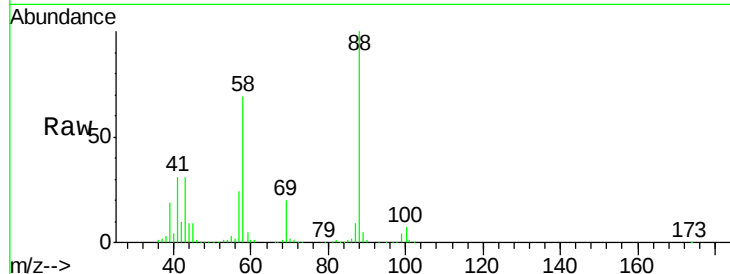
#49
1,4-Dioxane
Concen: 897.04 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Instrument :
MSVOA_X
ClientSampleId :
S83-0020MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	29.8	44.6
58	69.8	57.1	85.7

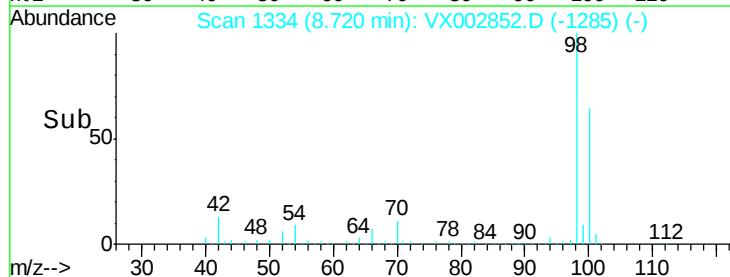
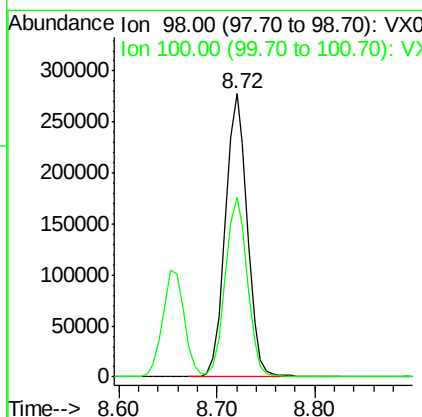
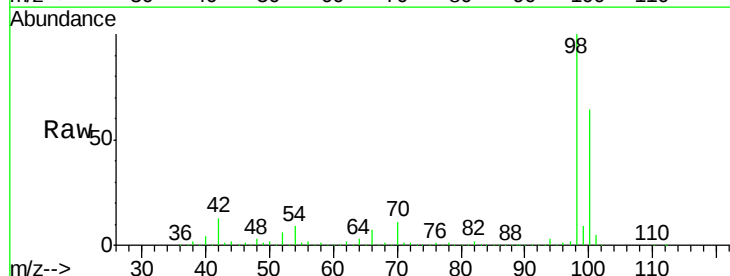
Manual Integrations
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#50
Toluene-d8
Concen: 40.97 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 258.65 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion: 43 Resp: 1141089

Ion Ratio Lower Upper

43 100

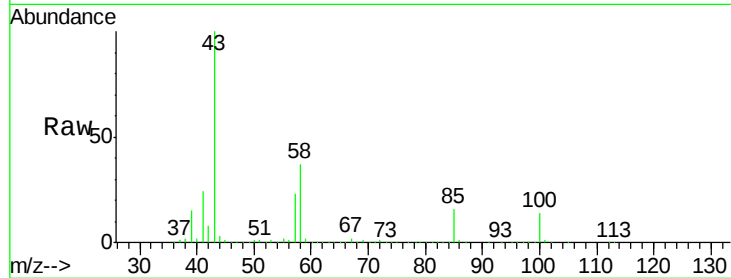
58 36.4 28.6 42.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800000

600000

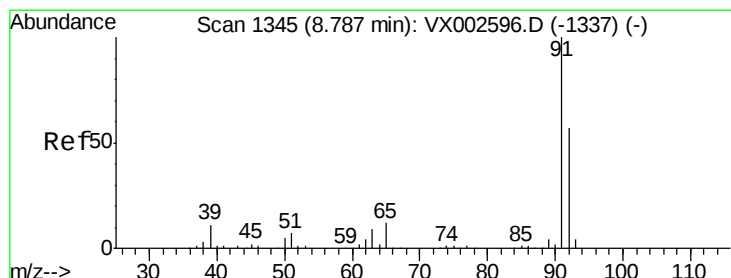
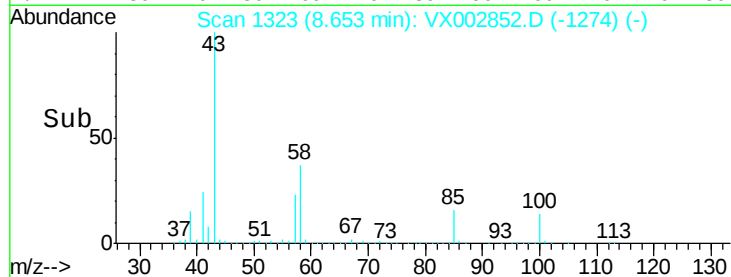
400000

200000

0

8.60 8.65 8.70 8.80

Time-->



#52

Toluene

Concen: 53.61 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002852.D

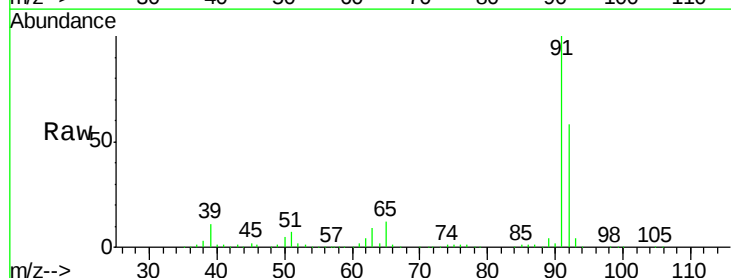
Acq: 23 Jun 2018 00:51

Tgt Ion: 92 Resp: 375702

Ion Ratio Lower Upper

92 100

91 176.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

500000

400000

300000

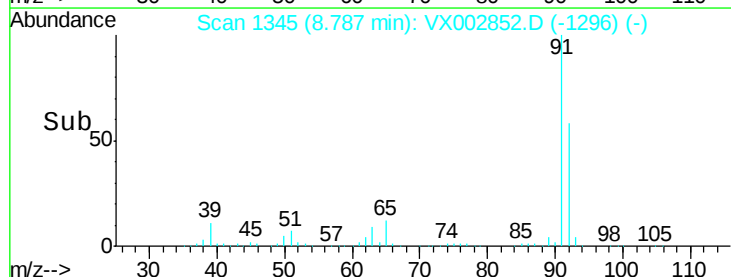
200000

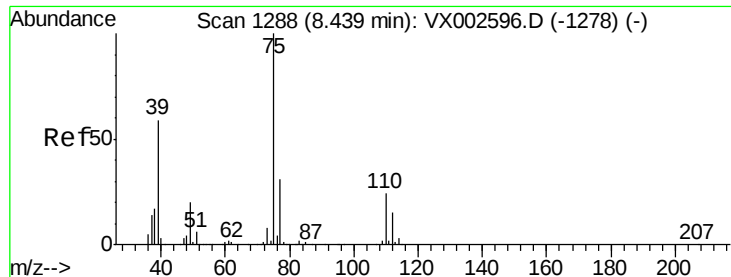
100000

0

8.70 8.75 8.80 8.85 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.55 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion: 75 Resp: 218908

Ion Ratio Lower Upper

75 100

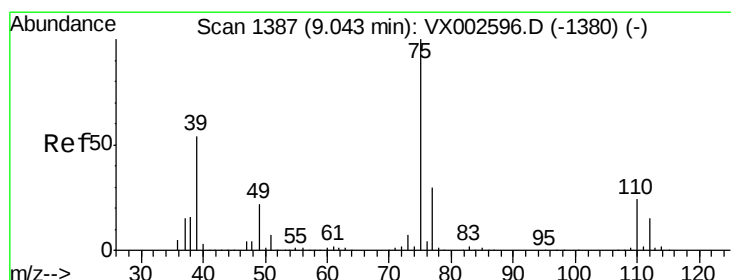
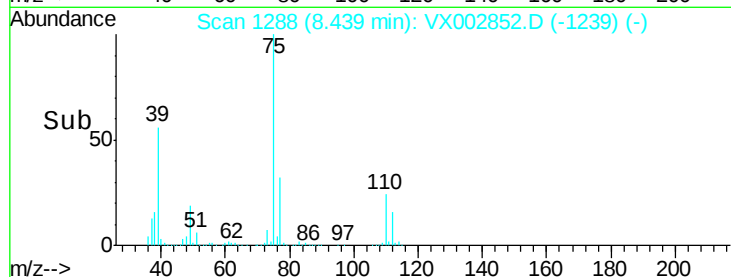
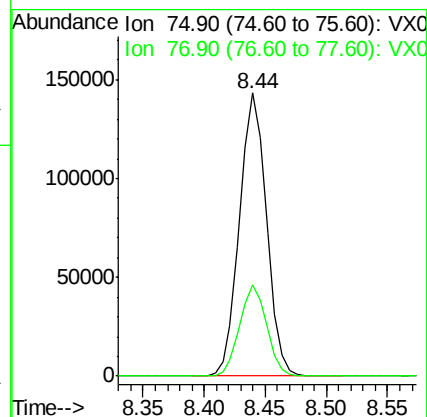
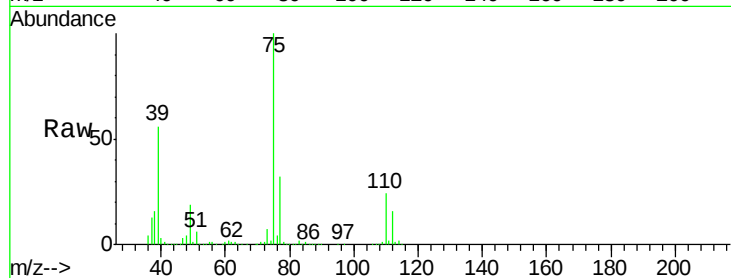
77 32.0 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 48.63 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

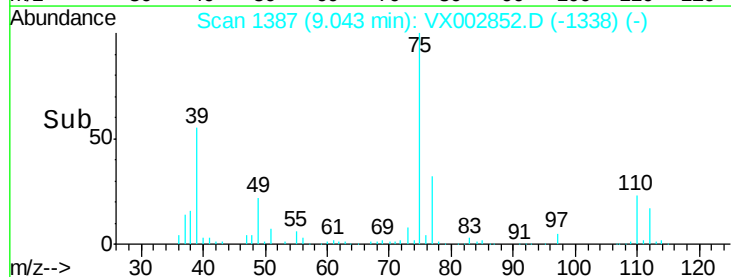
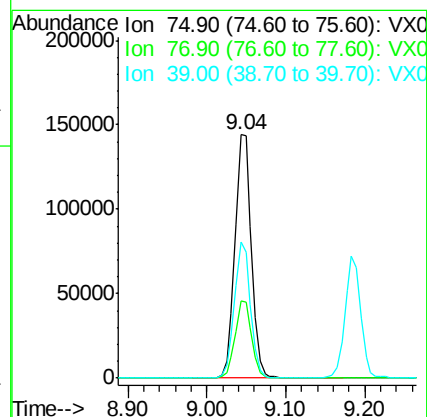
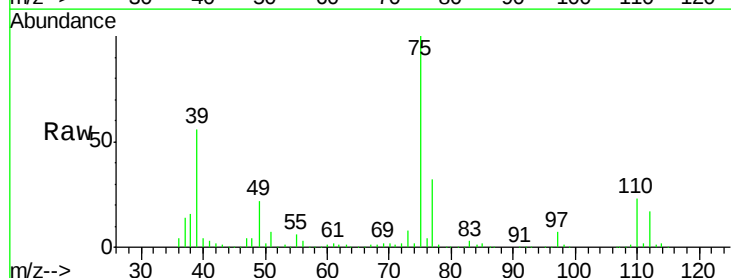
Tgt Ion: 75 Resp: 209099

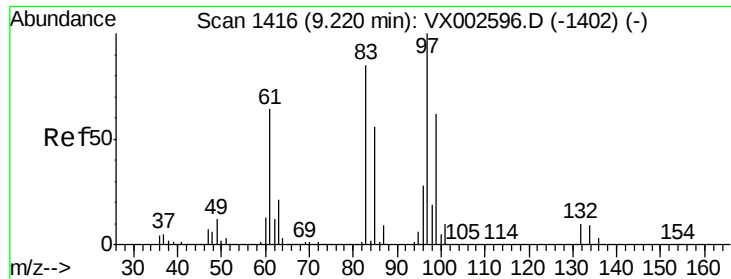
Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 55.4 42.4 63.6





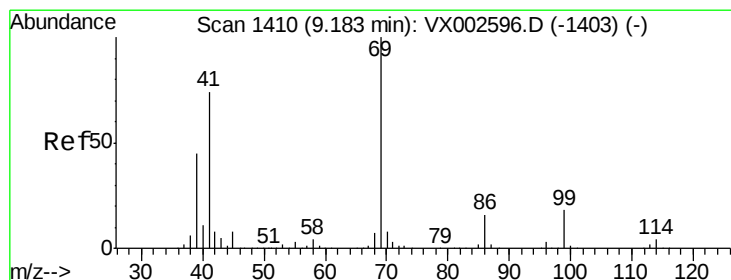
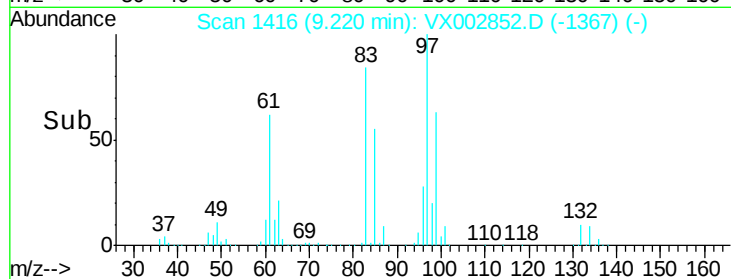
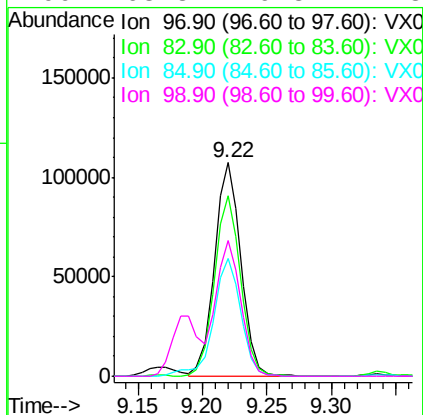
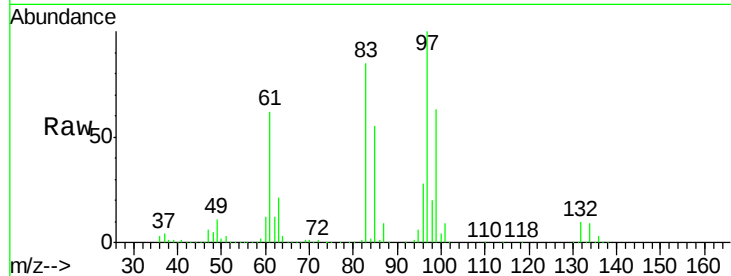
#55
 1,1,2-Trichloroethane
 Concen: 54.41 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

Tot Ion:	97	Resp:	154094
Ion	Ratio	Lower	Upper
97	100		
83	84.6	70.2	105.2
85	55.4	44.9	67.3
99	63.3	49.8	74.8

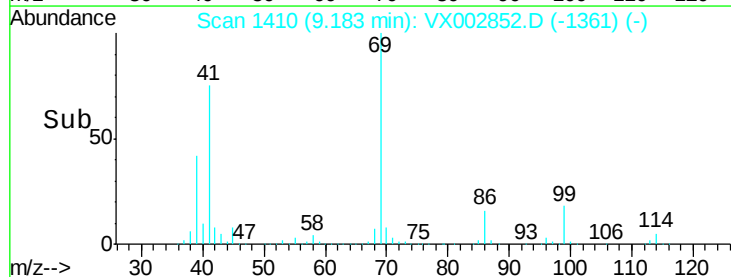
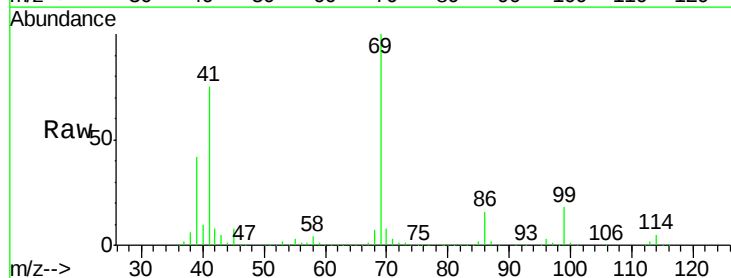
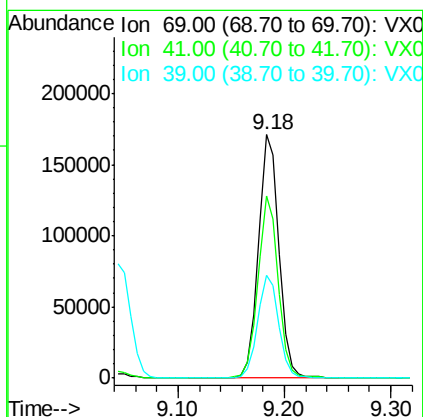
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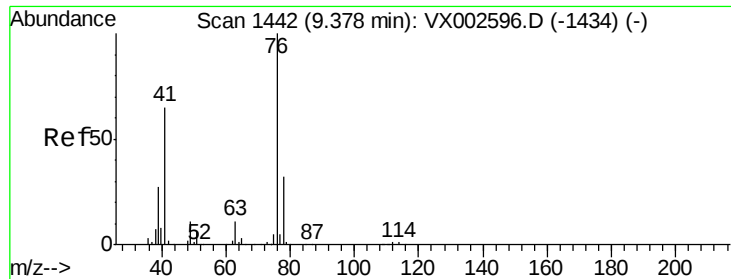
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#56
 Ethyl methacrylate
 Concen: 53.08 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Tgt Ion:	69	Resp:	231302
Ion	Ratio	Lower	Upper
69	100		
41	73.8	60.3	90.5
39	42.9	35.8	53.8





#57

1,3-Dichloropropane

Concen: 52.63 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion: 76 Resp: 252063

Ion Ratio Lower Upper

76 100

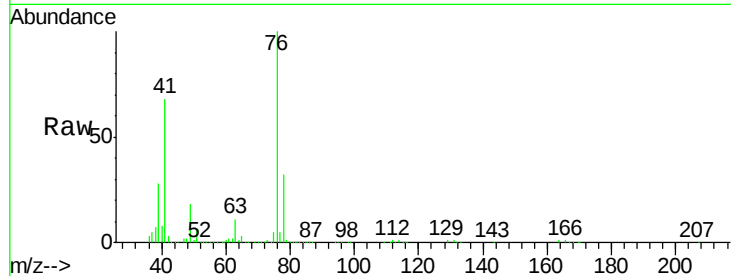
78 32.4 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

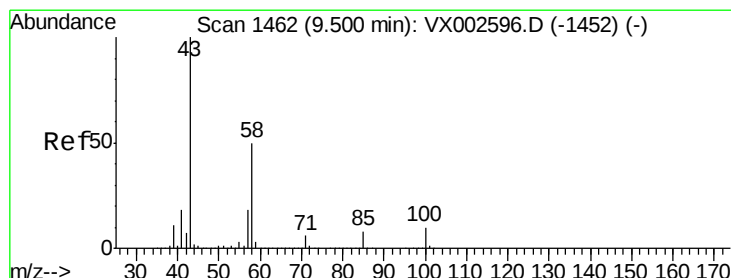
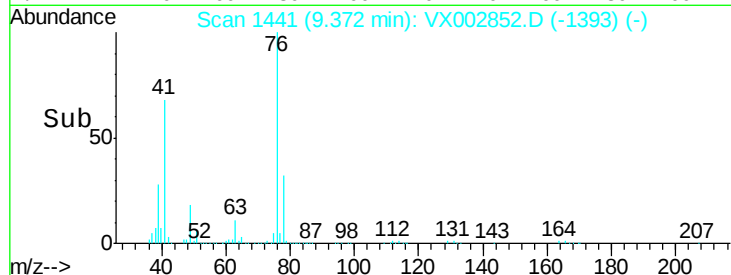
100000

50000

0

9.30 9.40 9.50

Time-->



#59

2-Hexanone

Concen: 260.29 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX002852.D

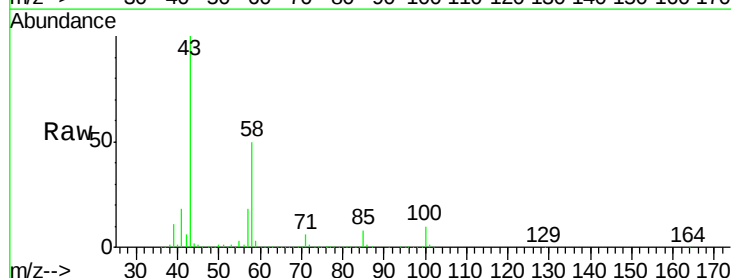
Acq: 23 Jun 2018 00:51

Tgt Ion: 43 Resp: 865305

Ion Ratio Lower Upper

43 100

58 50.5 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

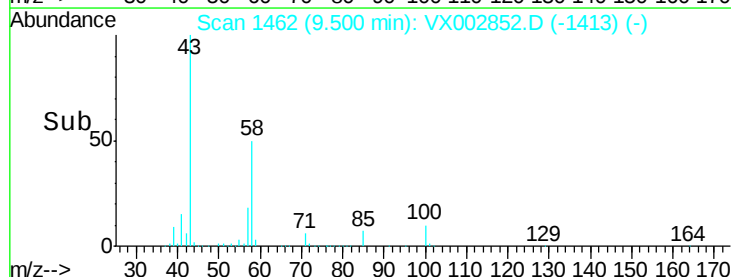
400000

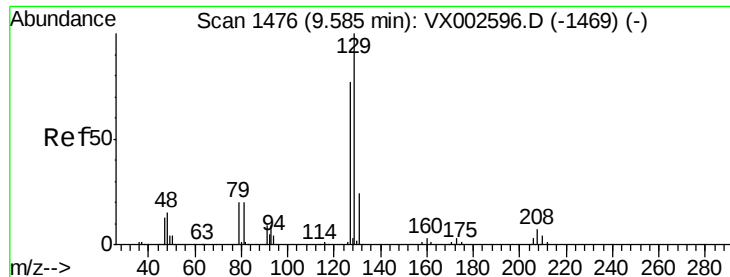
200000

0

9.40 9.50 9.60

Time-->





#60

Dibromochloromethane

Concen: 51.90 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion:129 Resp: 165806

Ion Ratio Lower Upper

129 100

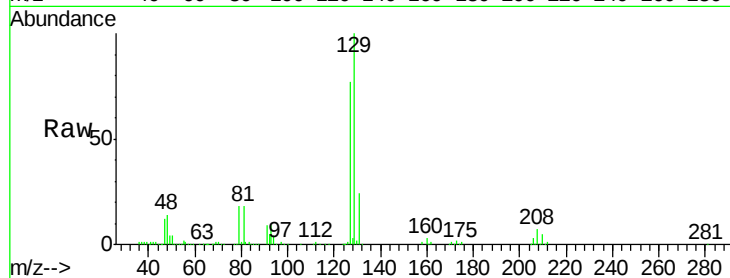
127 77.0 38.5 115.3

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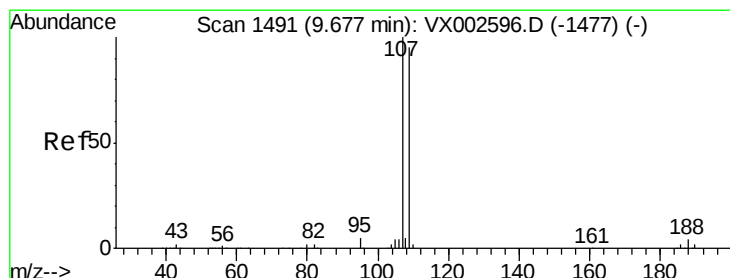
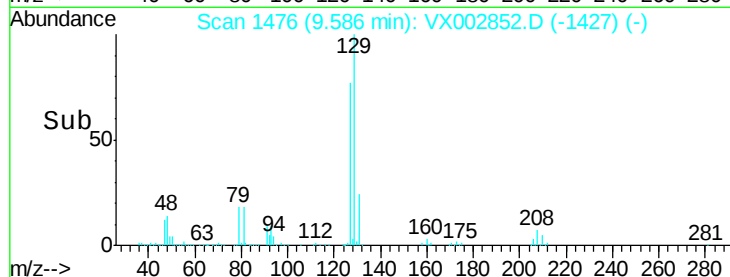
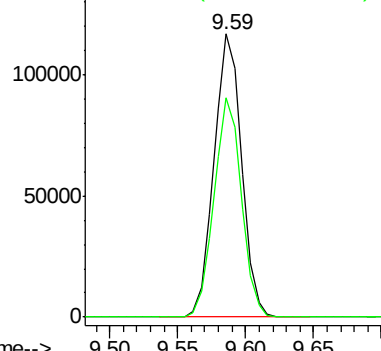
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 56.19 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002852.D

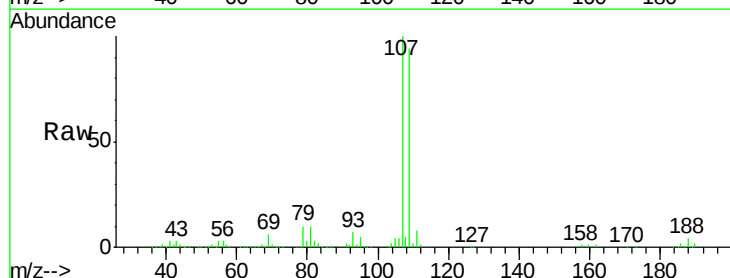
Acq: 23 Jun 2018 00:51

Tgt Ion:107 Resp: 164790

Ion Ratio Lower Upper

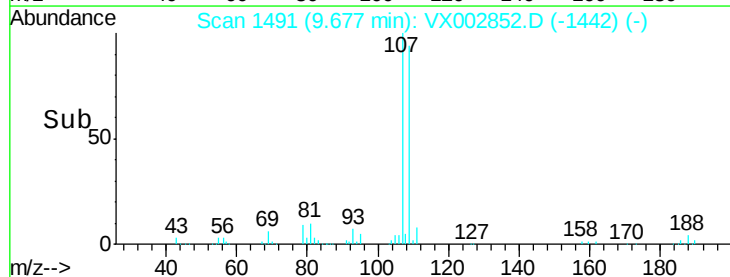
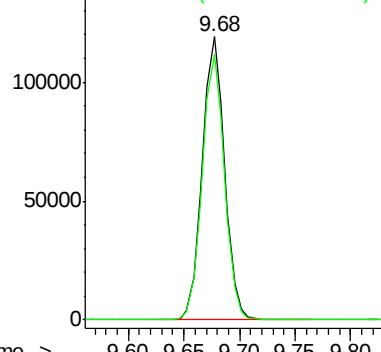
107 100

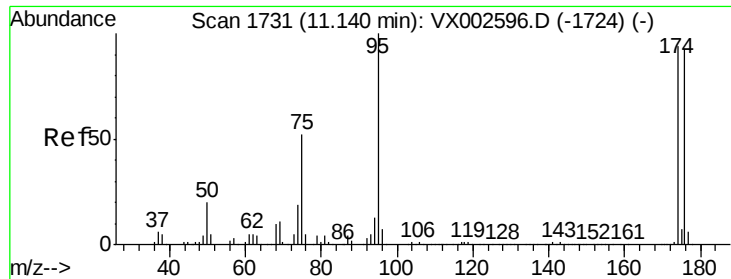
109 94.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 43.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

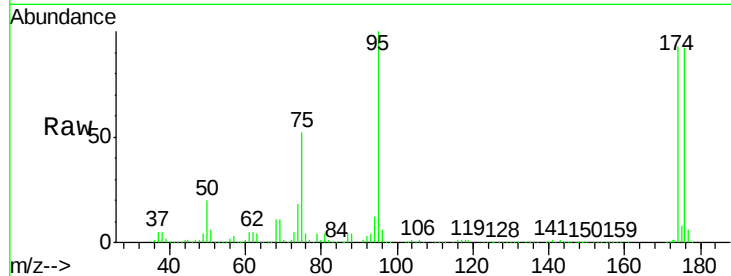
ClientSampleId :

S83-0020MS

Tot Ion:	95	Resp:	172333
Ion	Ratio	Lower	Upper
95	100		
174	96.5	0.0	187.4
176	94.6	0.0	181.0

Manual Integrations
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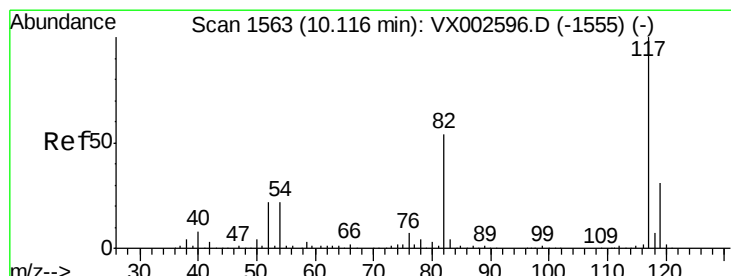
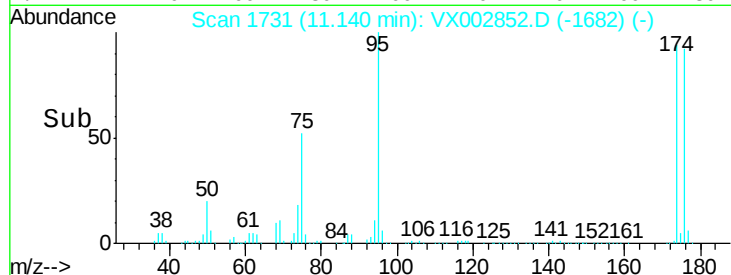
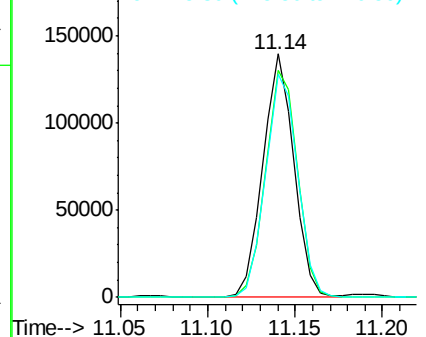
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Abundance Ion 94.90 (94.60 to 95.60): VX002852.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002852.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002852.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

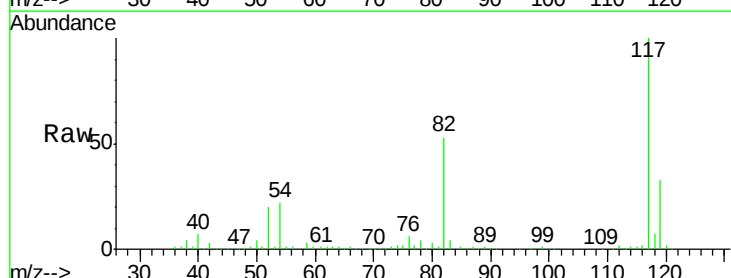
RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

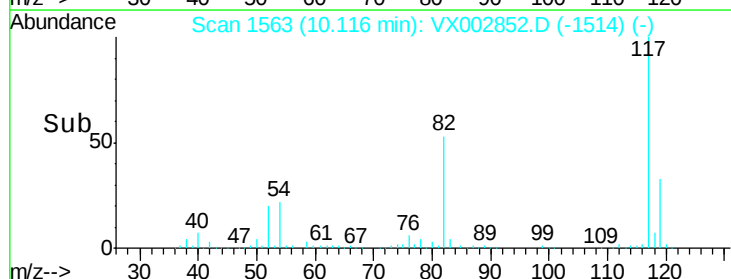
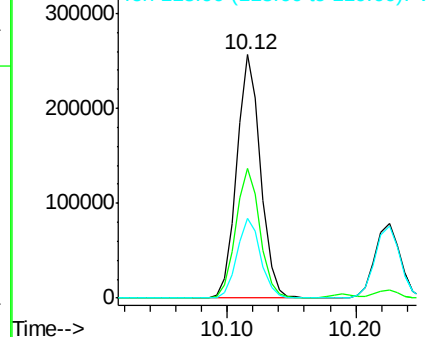
Tgt Ion:	117	Resp:	331664
Ion	Ratio	Lower	Upper
117	100		
82	53.4	45.0	67.4
119	32.6	25.8	38.6

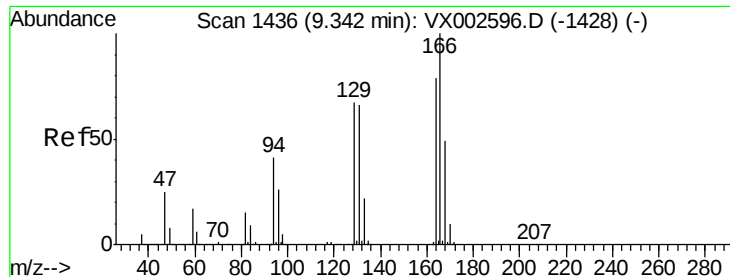


Abundance Ion 116.90 (116.60 to 117.60): VX002852.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002852.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002852.D (-1514) (-)





#64

Tetrachloroethene

Concen: 45.55 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion:164 Resp: 167688

Ion Ratio Lower Upper

164 100

166 128.8 102.9 154.3

129 85.6 68.6 102.8

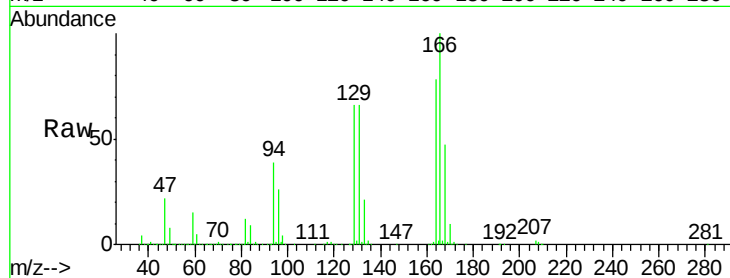
131 84.4 66.8 100.2

Manual Integrations

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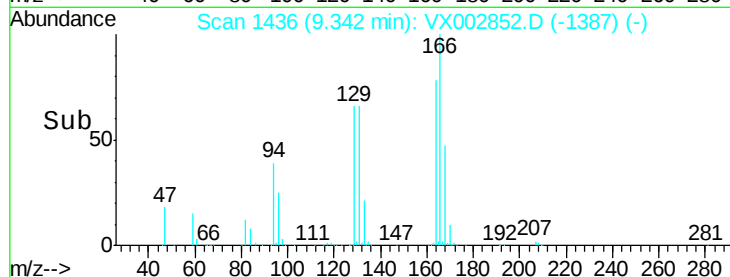


Abundance Ion 163.80 (163.50 to 164.50): V

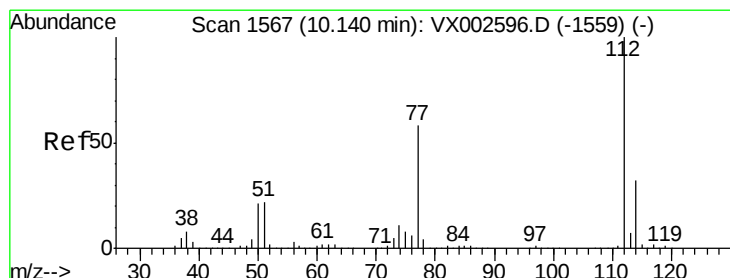
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#65

Chlorobenzene

Concen: 57.05 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002852.D

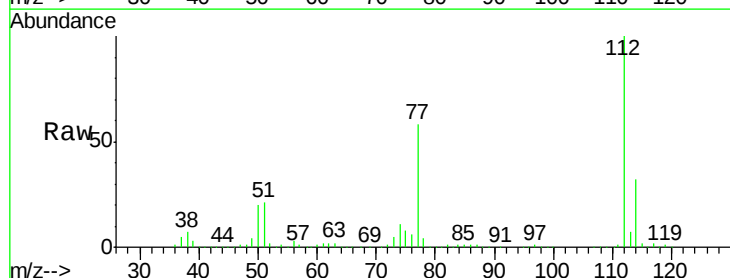
Acq: 23 Jun 2018 00:51

Tgt Ion:112 Resp: 464716

Ion Ratio Lower Upper

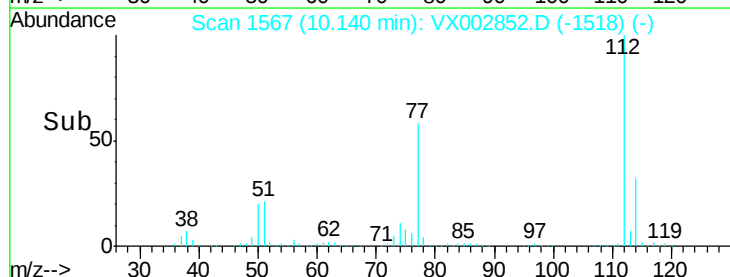
112 100

114 31.8 25.3 37.9

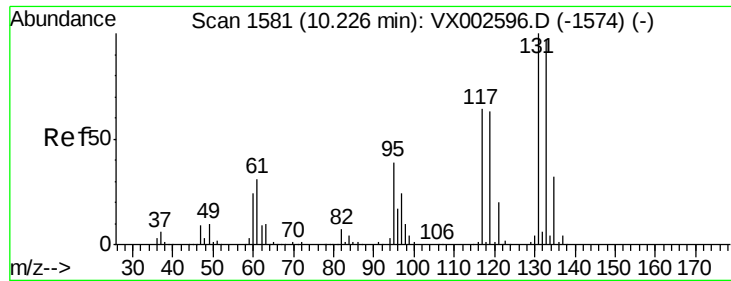


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



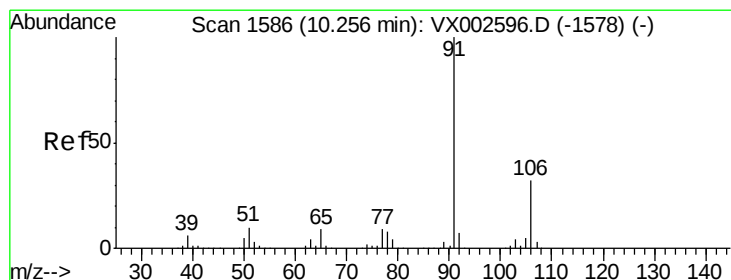
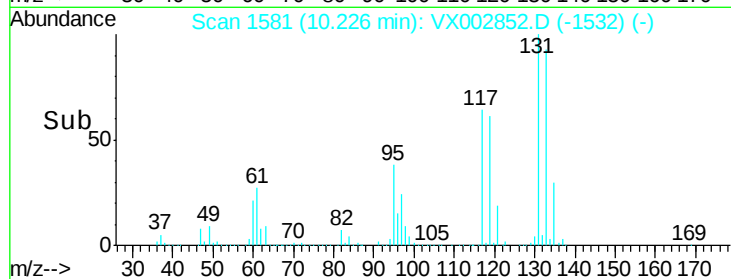
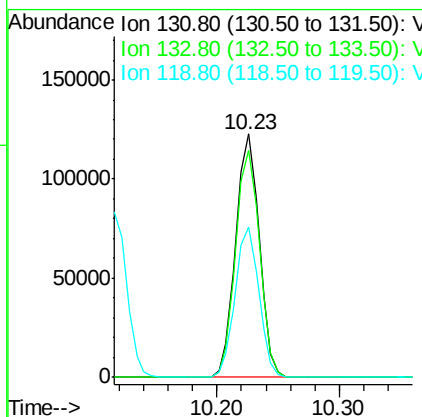
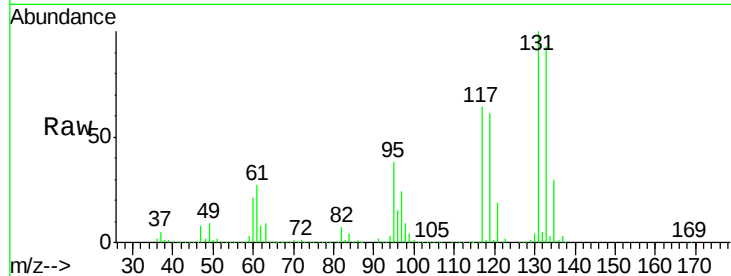
#66
 1,1,1,2-Tetrachloroethane
 Concen: 58.78 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.9	143.6
119	62.3	31.8	95.3

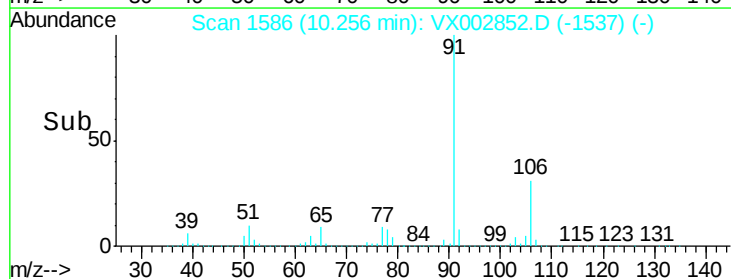
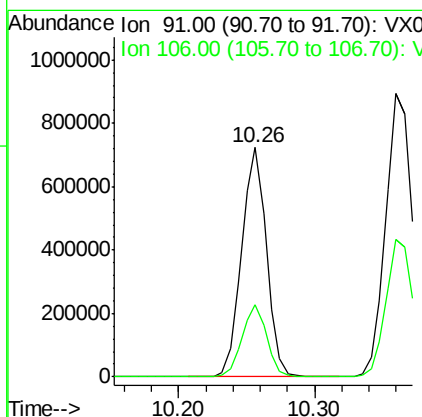
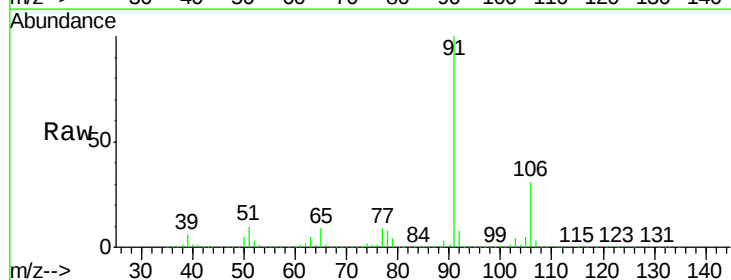
Manual Integrations
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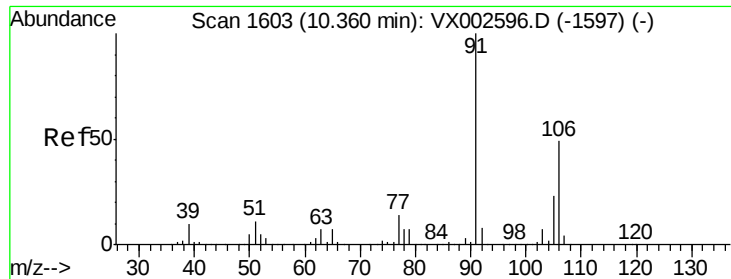
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#67
 Ethyl Benzene
 Concen: 67.07 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.5	38.3





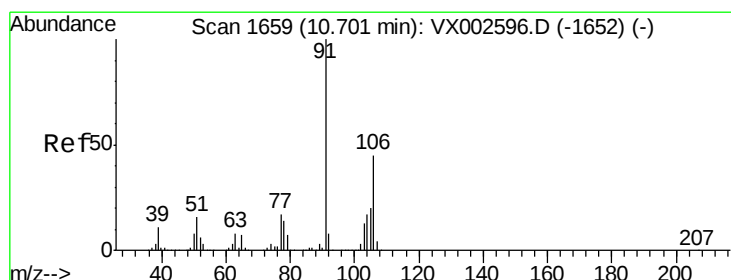
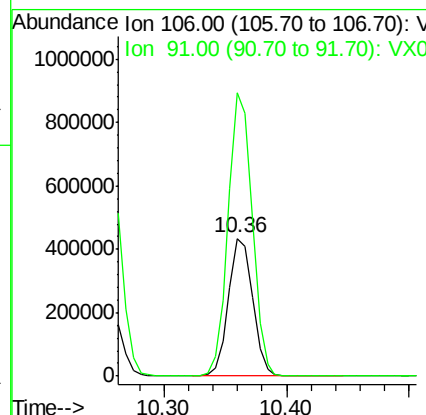
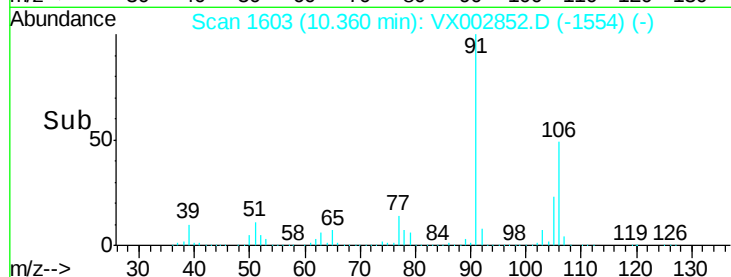
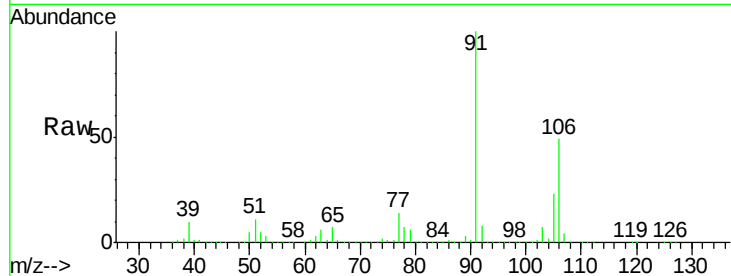
#68
m/p-Xylenes
Concen: 112.29 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Instrument :
MSVOA_X
ClientSampled :
S83-0020MS

Tot Ion:106 Resp: 595076
Ion Ratio Lower Upper
106 100
91 204.6 163.4 245.2

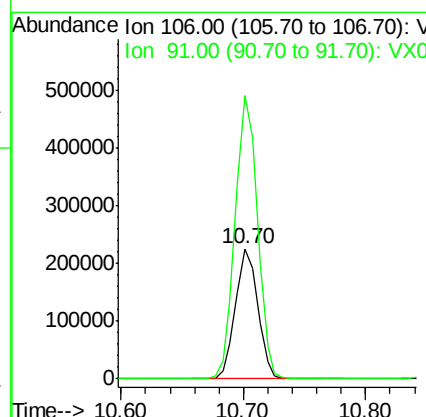
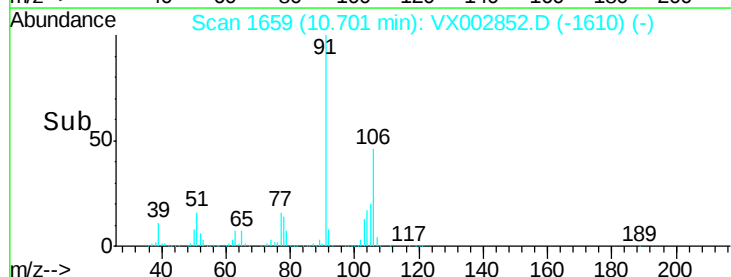
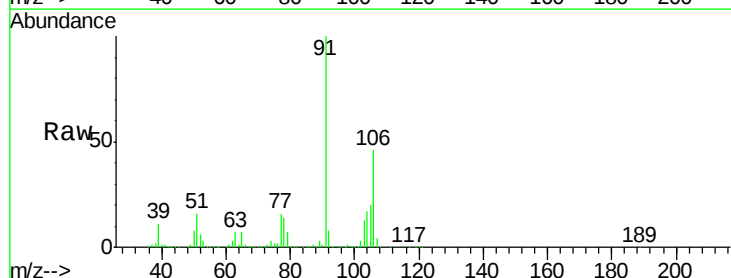
Manual Integrations
APPROVED

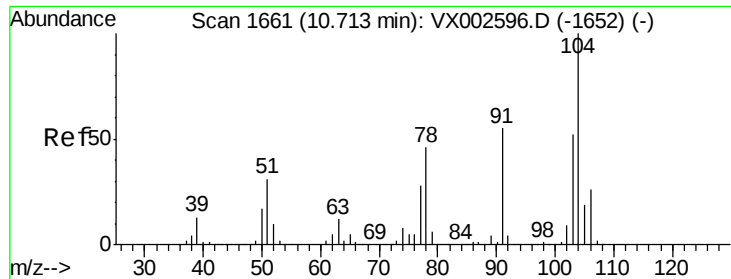
MMDadoda
6/25/2018 6:56:08 PM



#69
o-Xylene
Concen: 54.80 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Tgt Ion:106 Resp: 285332
Ion Ratio Lower Upper
106 100
91 216.8 108.2 324.6





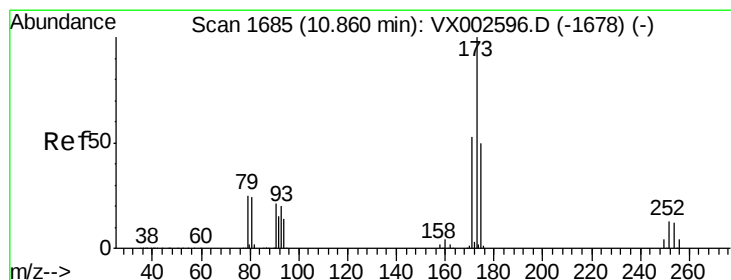
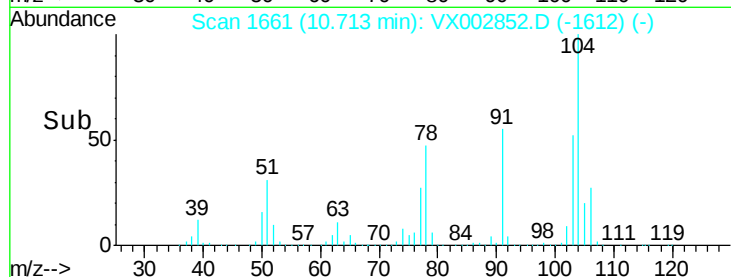
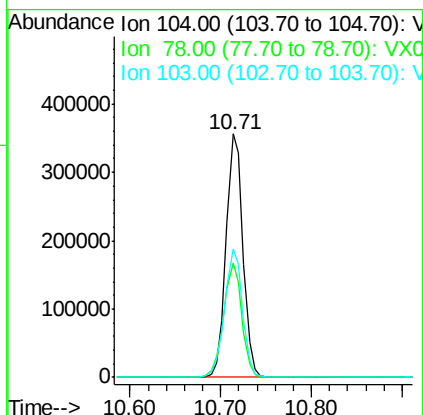
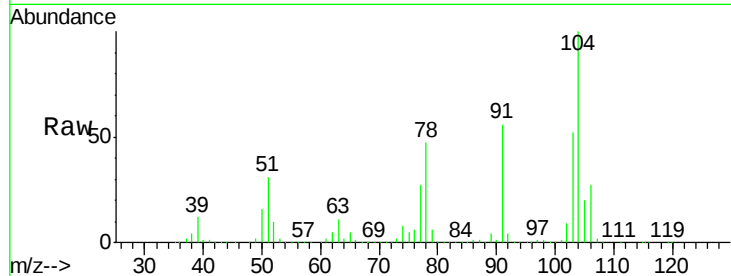
#70
Stvrene
Concen: 53.74 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Instrument :
MSVOA_X
ClientSampleId :
S83-0020MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.0	41.0	61.6
103	56.0	44.2	66.4

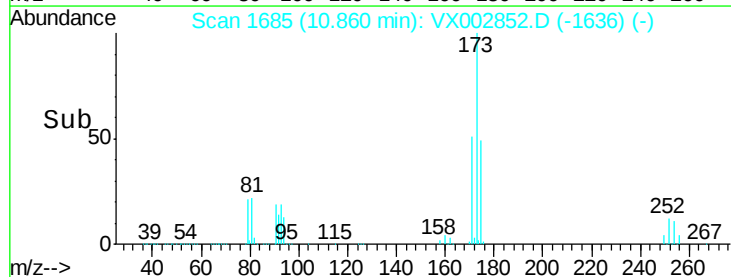
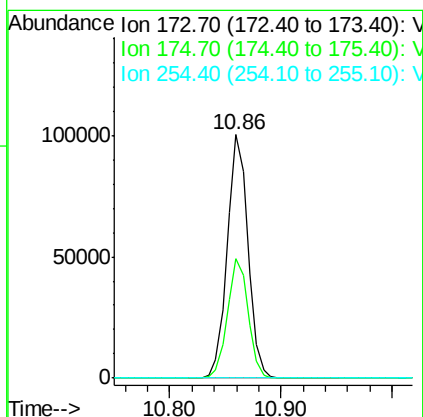
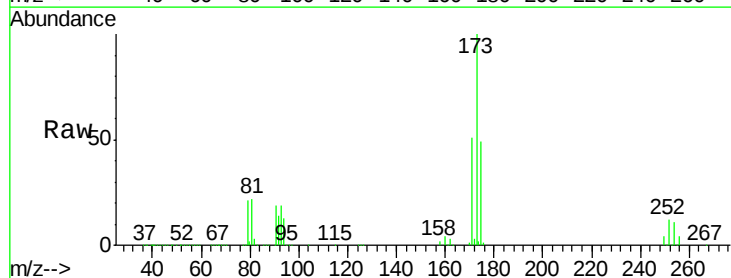
Manual Integrations
APPROVED

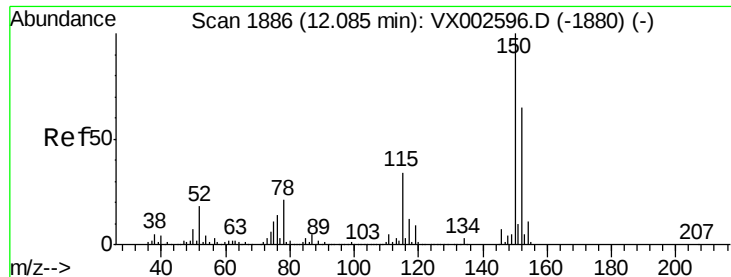
MMDadoda
6/25/2018 6:56:08 PM



#71
Bromoform
Concen: 50.92 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.7	74.1
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

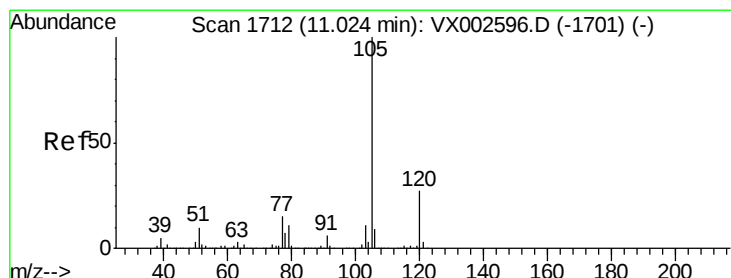
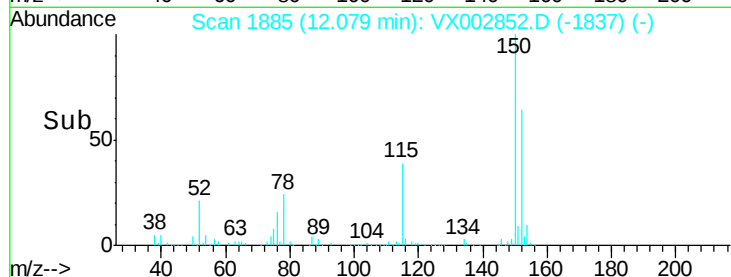
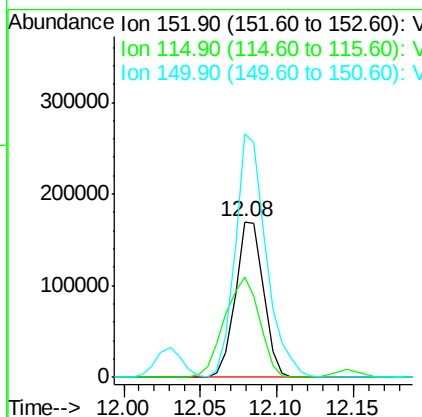
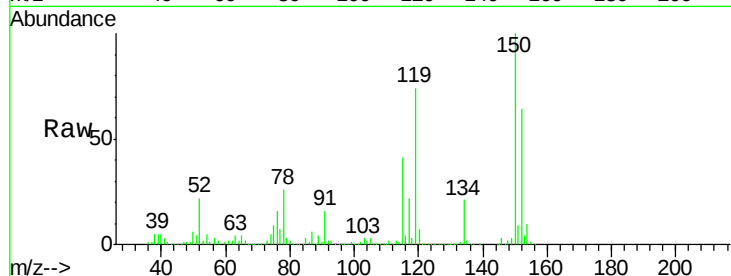
ClientSampleId :

S83-0020MS

Tot Ion:	152	Resp:	215050
Ion Ratio	Lower	Upper	
152	100		
115	80.6	40.1	120.2
150	172.6	0.0	347.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 55.05 ug/l

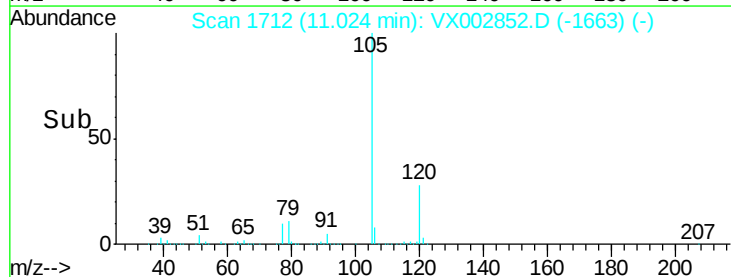
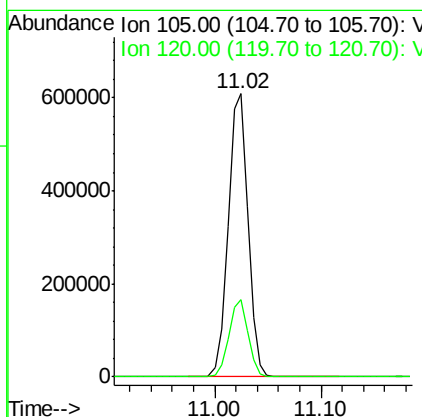
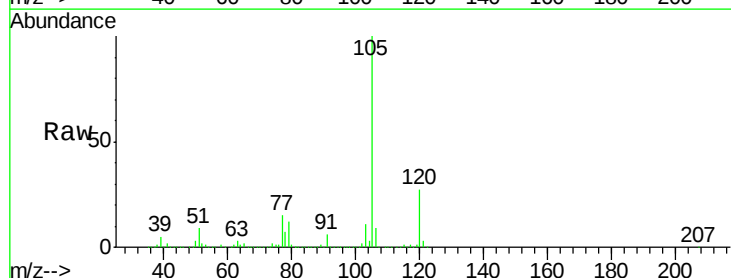
RT: 11.02 min Scan# 1712

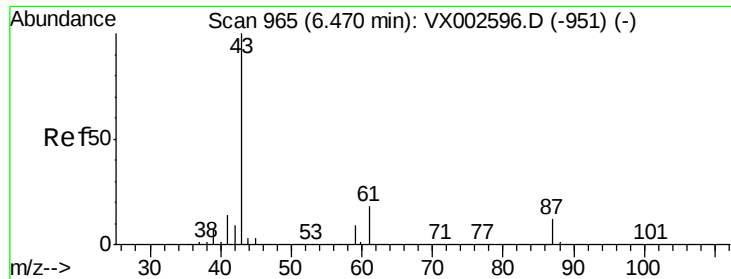
Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Tgt Ion:	105	Resp:	791839
Ion Ratio	Lower	Upper	
105	100		
120	26.7	13.5	40.4





#74

N-amvl acetate

Concen: 47.16 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

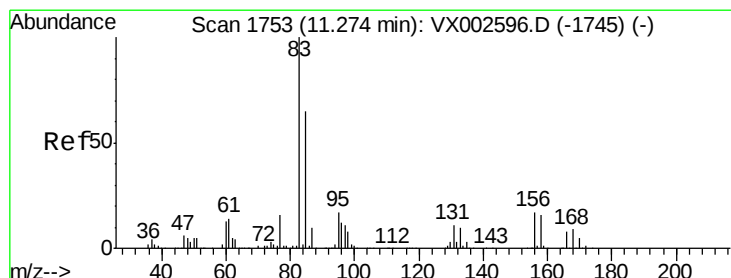
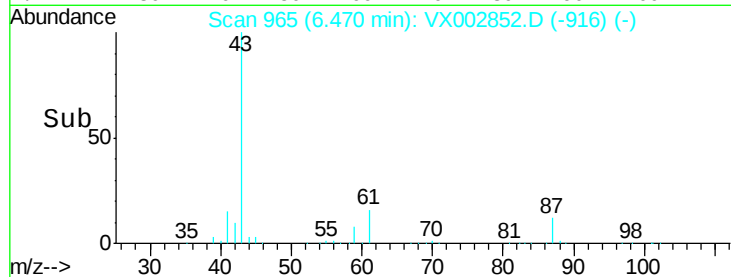
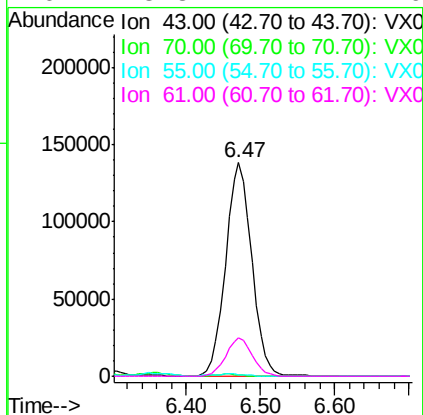
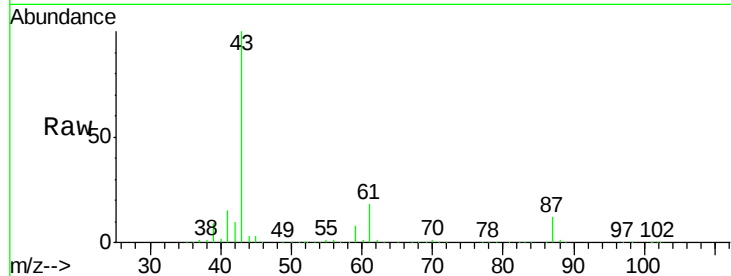
ClientSampleId :

S83-0020MS

Tot Ion:	43	Resp:	337014
Ion Ratio	Lower	Upper	
43	100		
70	1.0	0.0	0.0#
55	1.3	0.0	0.0#
61	18.3	14.4	21.6

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 55.80 ug/l

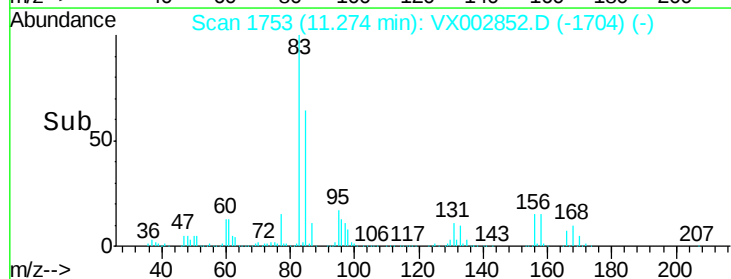
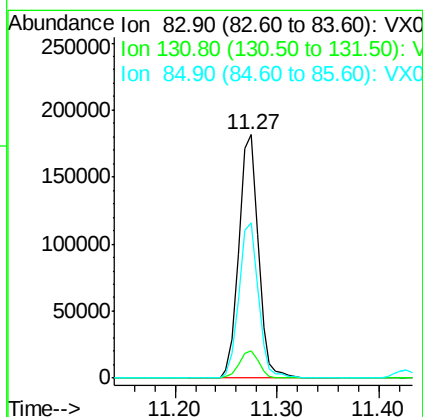
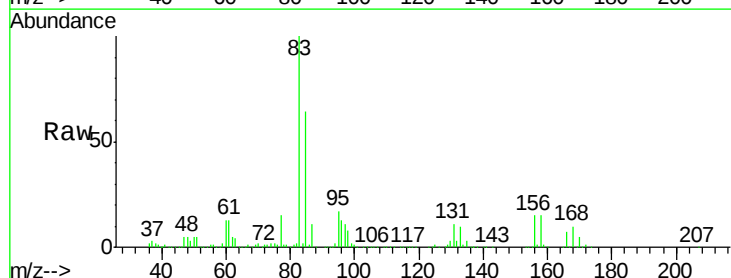
RT: 11.27 min Scan# 1753

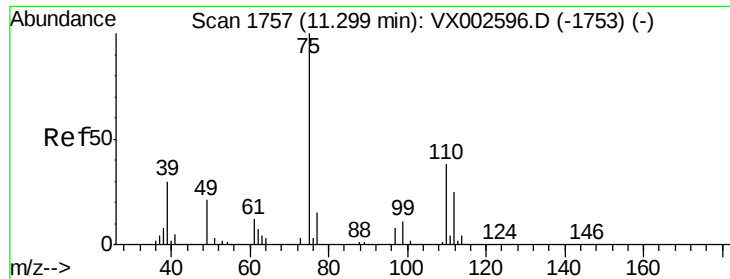
Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Tgt Ion:	83	Resp:	237019
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	63.9	32.4	97.2





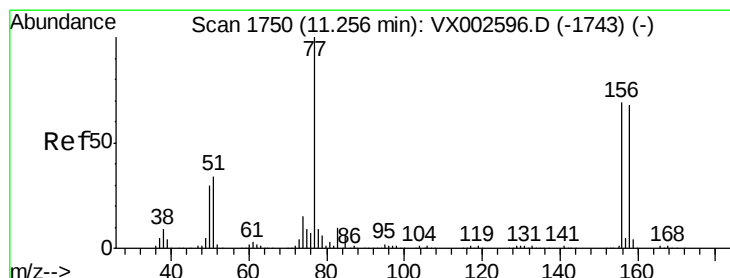
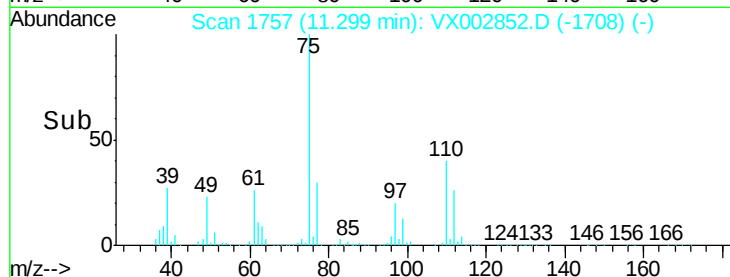
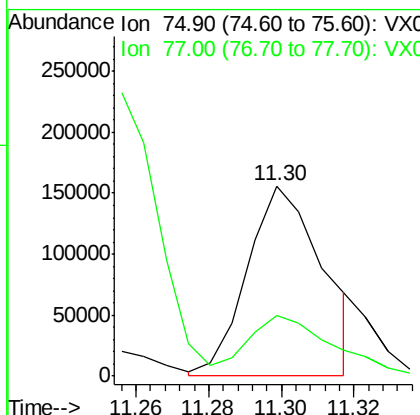
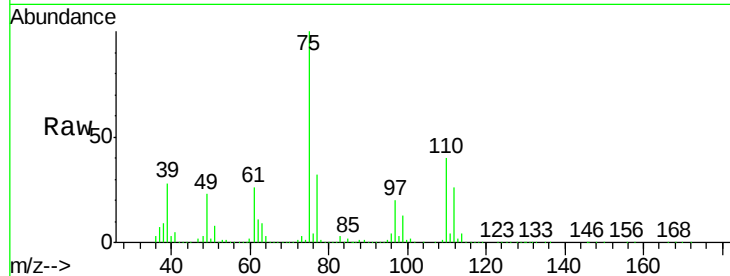
#76
 1,2,3-Trichloropropane
 Concen: 55.31 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampled :
 S83-0020MS

Tot Ion: 75 Resp: 224438
 Ion Ratio Lower Upper
 75 100
 77 35.9 22.8 68.3

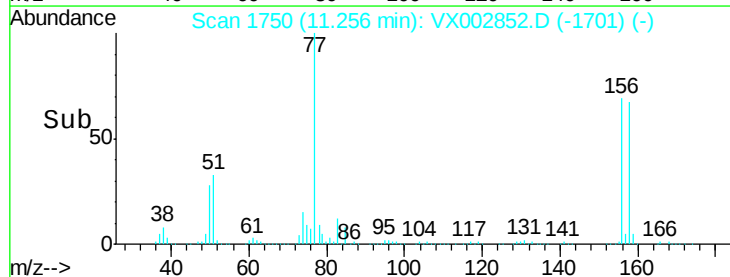
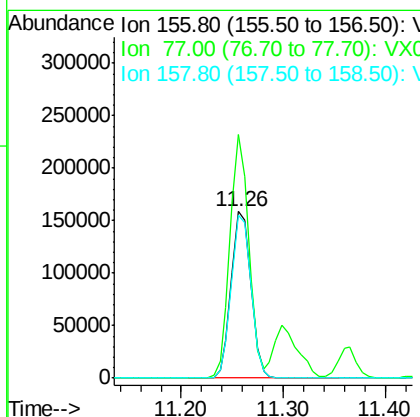
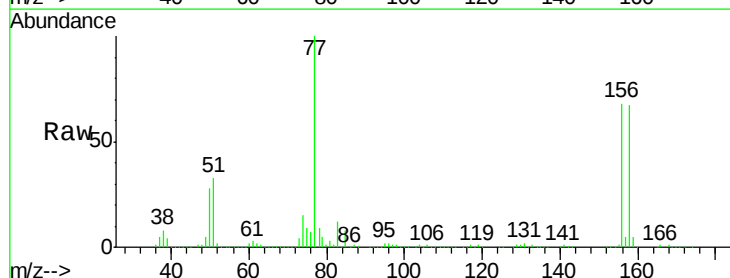
Manual Integrations
 APPROVED

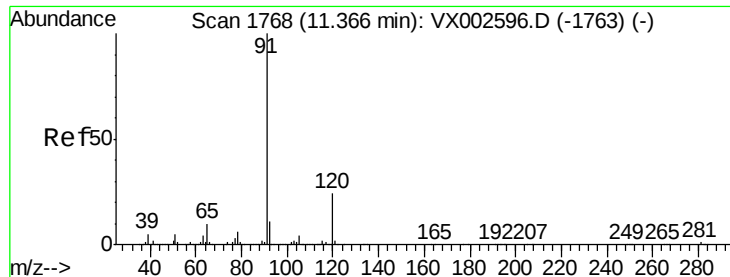
MMDadoda
 6/25/2018 6:56:08 PM



#77
 Bromobenzene
 Concen: 52.90 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Tgt Ion: 156 Resp: 211980
 Ion Ratio Lower Upper
 156 100
 77 139.0 71.4 214.2
 158 97.5 48.9 146.6





#78

n-propylbenzene

Concen: 54.20 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

S83-0020MS

Tot Ion: 91 Resp: 894097

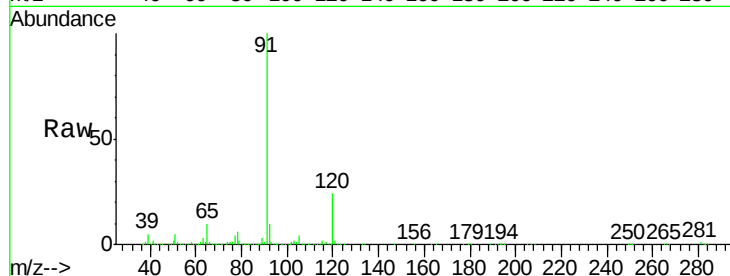
Ion Ratio Lower Upper

91 100

120 23.7 11.8 35.4

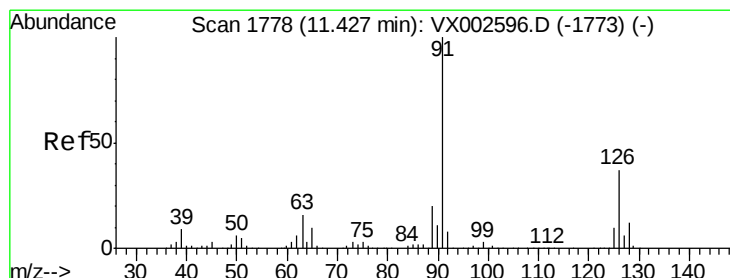
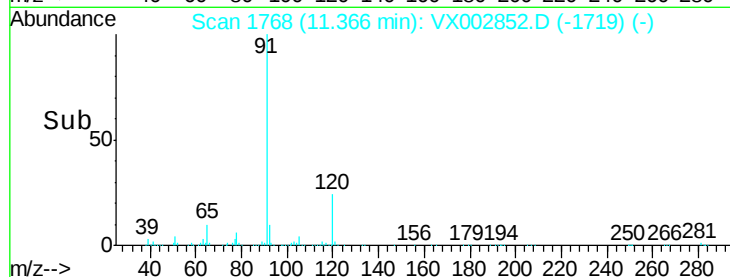
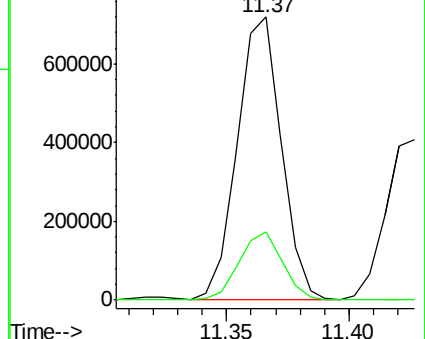
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 52.56 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002852.D

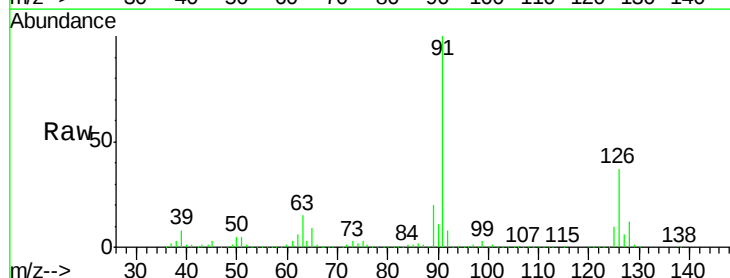
Acq: 23 Jun 2018 00:51

Tgt Ion: 91 Resp: 517604

Ion Ratio Lower Upper

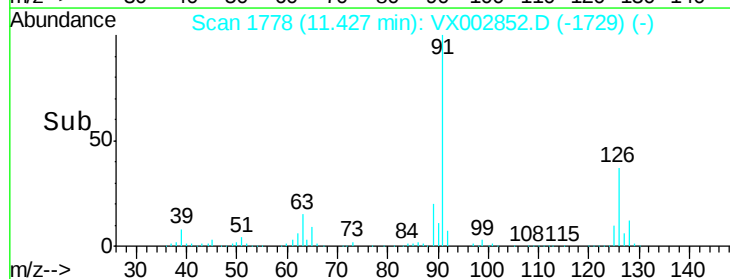
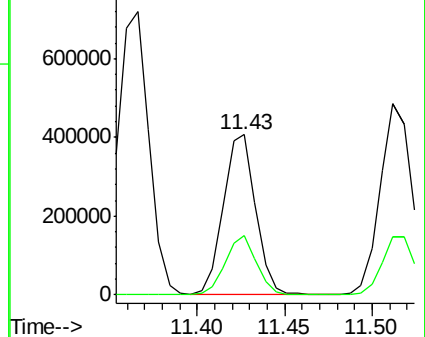
91 100

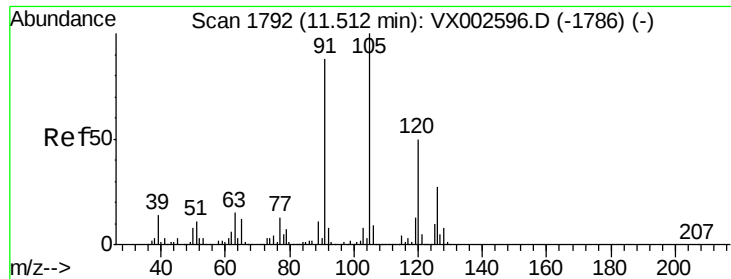
126 35.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





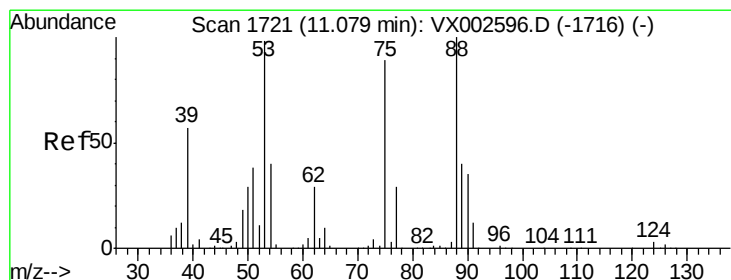
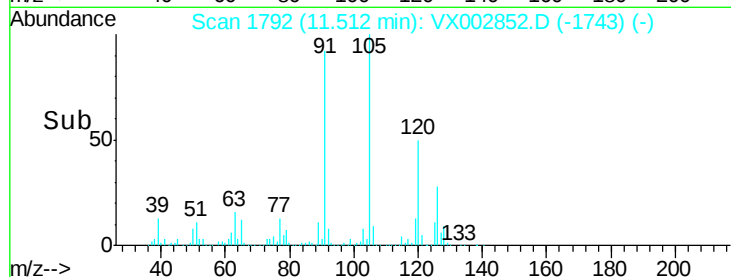
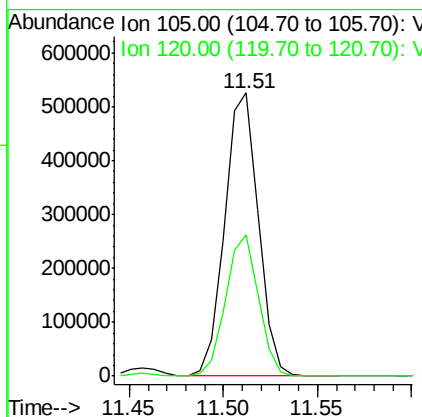
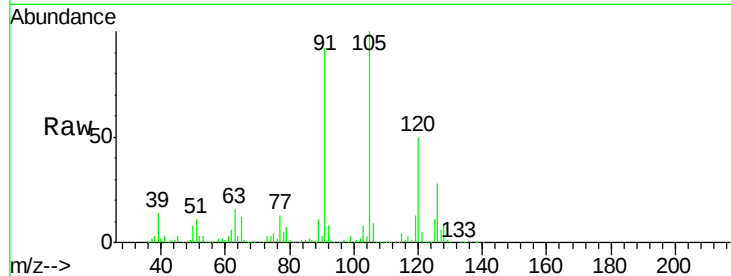
#80
 1,3,5-Trimethylbenzene
 Concen: 53.30 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

Tot Ion: 105 Resp: 647830
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.4 73.4

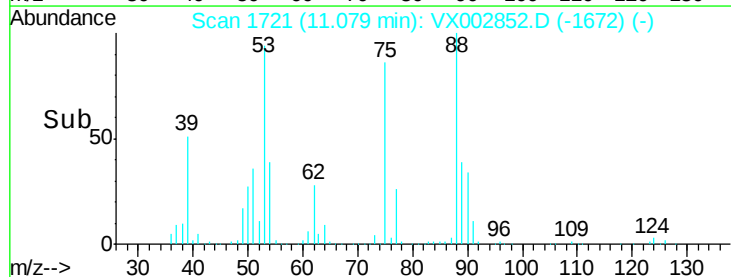
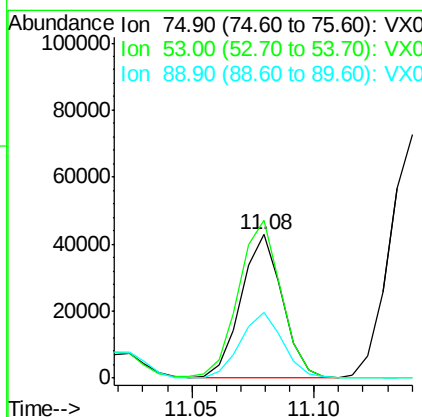
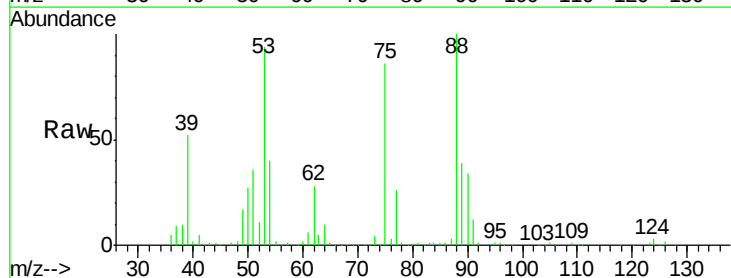
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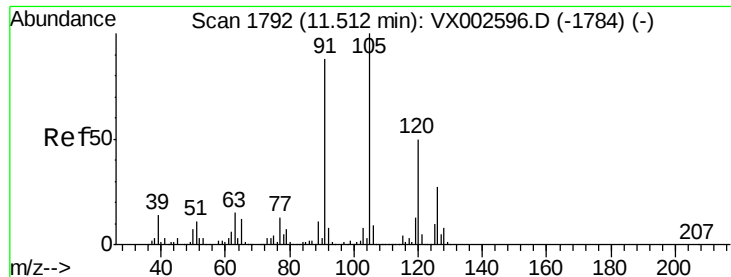
MMDadoda
 6/25/2018 6:56:08 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.17 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Tgt Ion: 75 Resp: 49804
 Ion Ratio Lower Upper
 75 100
 53 113.9 86.8 130.2
 89 47.2 38.2 57.2





#82

4-Chlorotoluene

Concen: 52.64 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

ClientSampled :

S83-0020MS

Tot Ion: 91 Resp: 611755

Ion Ratio Lower Upper

91 100

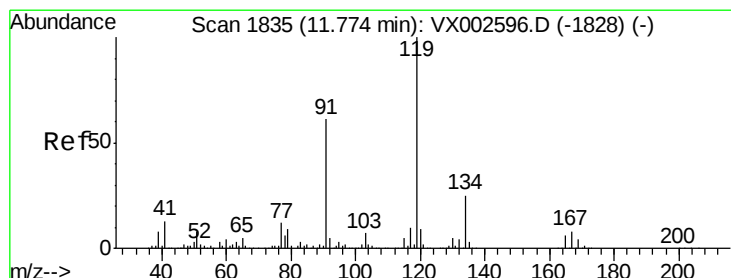
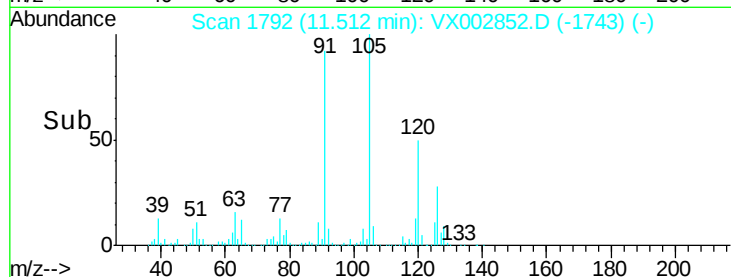
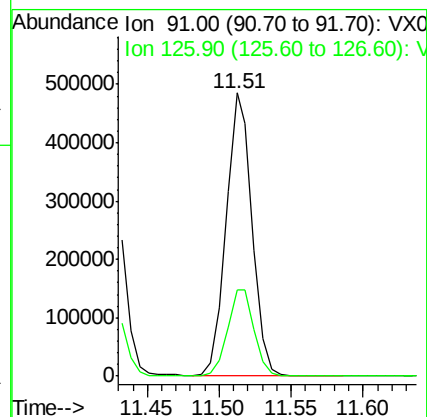
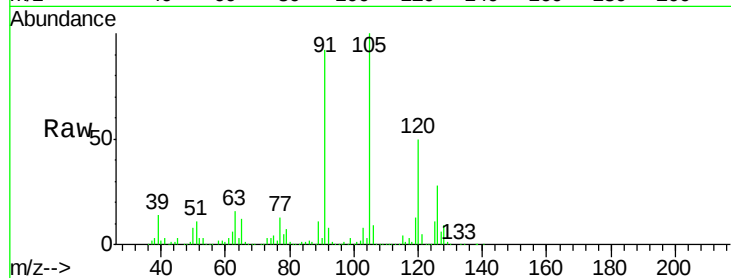
126 31.4 15.4 46.4

Manual Integrations

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#83

tert-Butylbenzene

Concen: 56.86 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

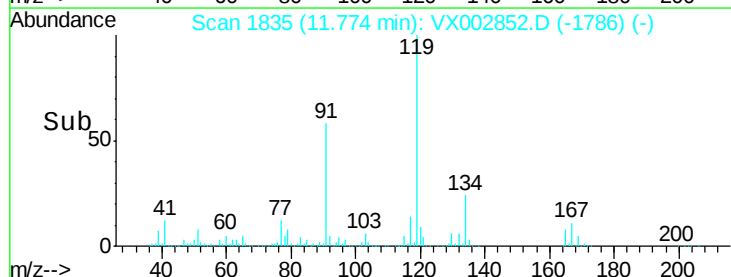
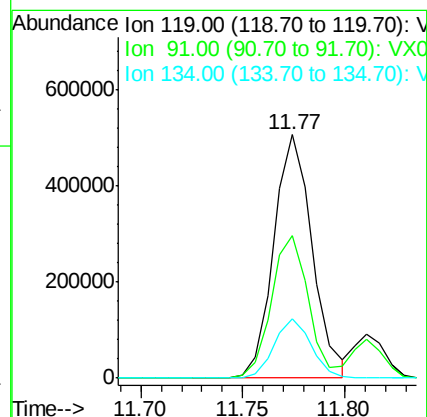
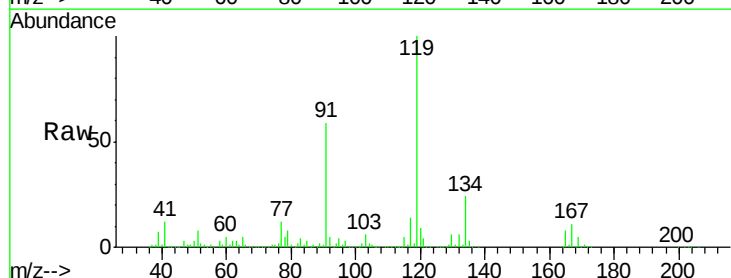
Tgt Ion: 119 Resp: 665850

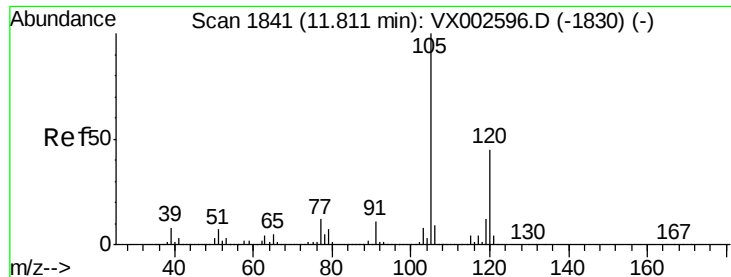
Ion Ratio Lower Upper

119 100

91 55.7 30.3 90.9

134 23.4 11.7 35.1





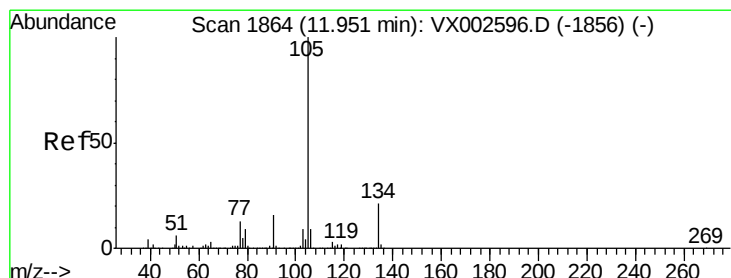
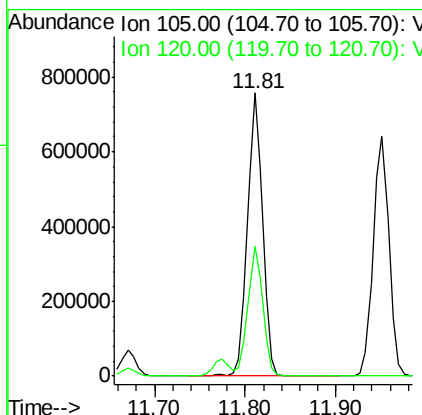
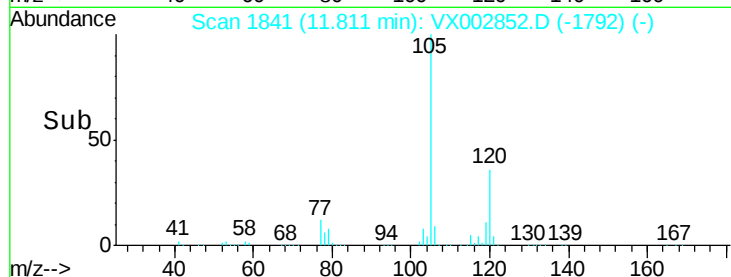
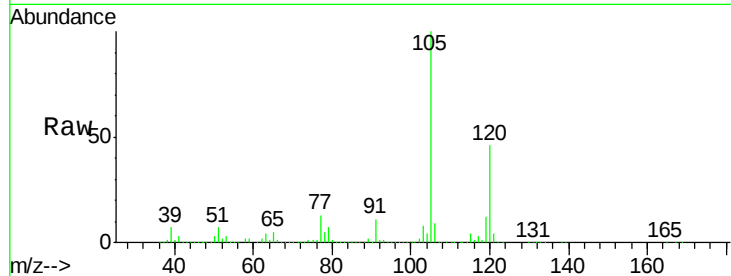
#84
 1,2,4-Trimethylbenzene
 Concen: 70.71 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

Tot Ion:105 Resp: 877067
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.8

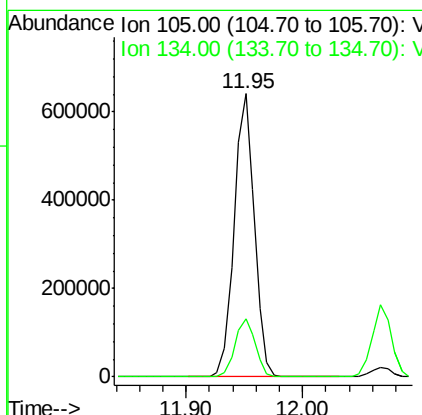
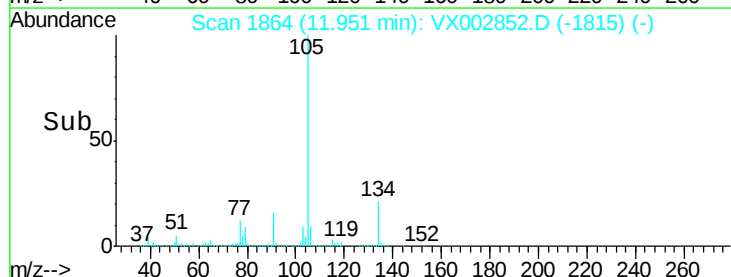
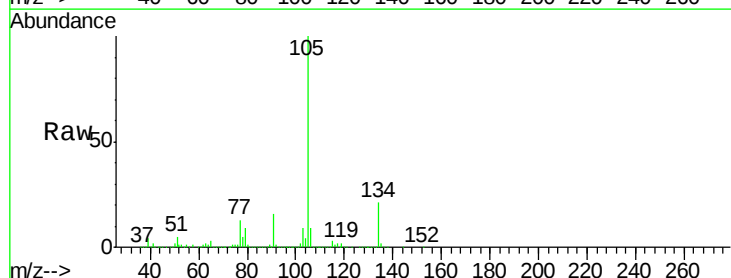
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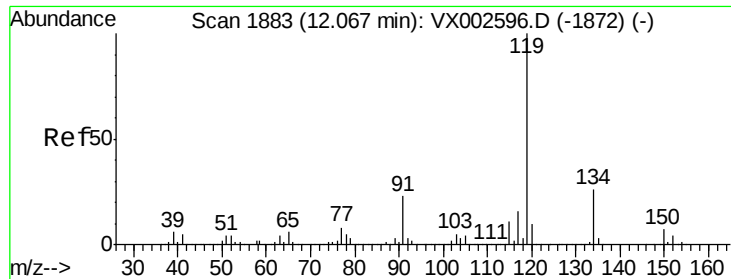
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#85
 sec-Butylbenzene
 Concen: 53.17 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Tgt Ion:105 Resp: 774216
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.1





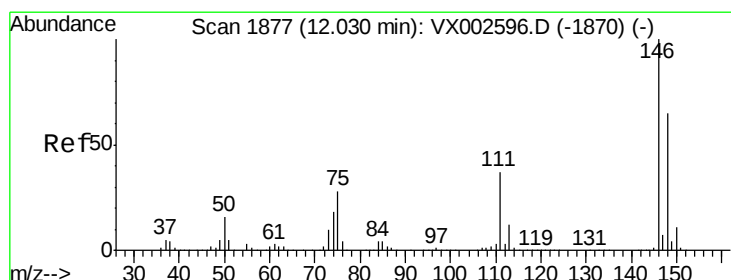
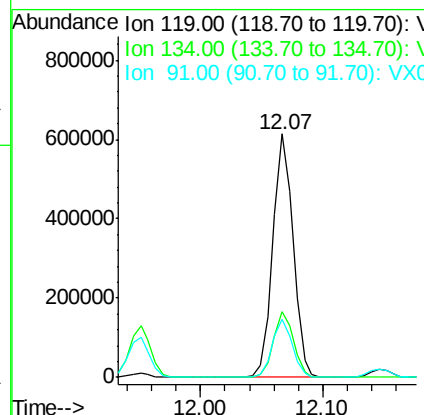
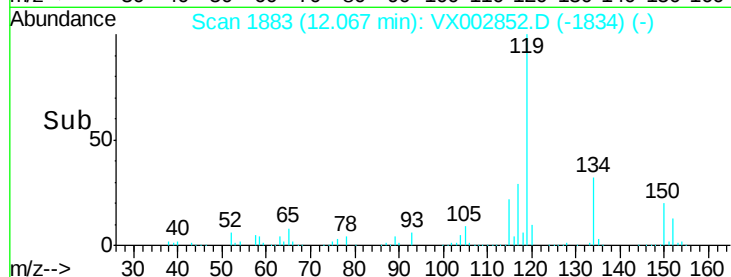
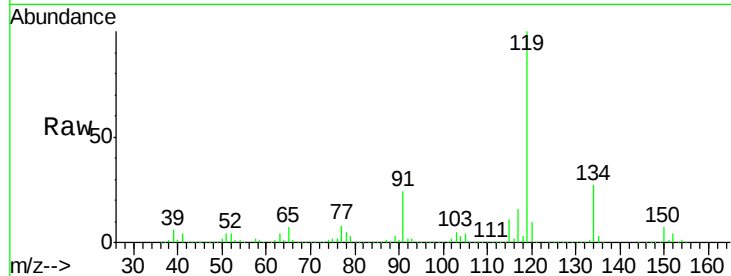
#86
 p-Isopropyltoluene
 Concen: 53.83 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	709125		
134	26.7		13.4	40.1
91	23.6		11.9	35.7

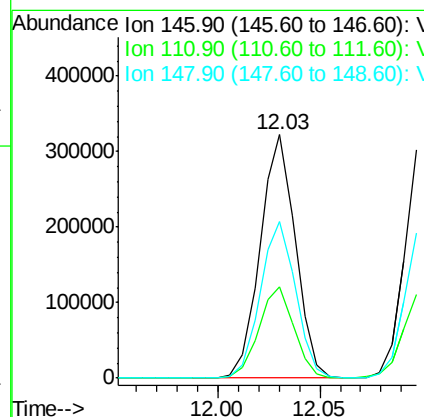
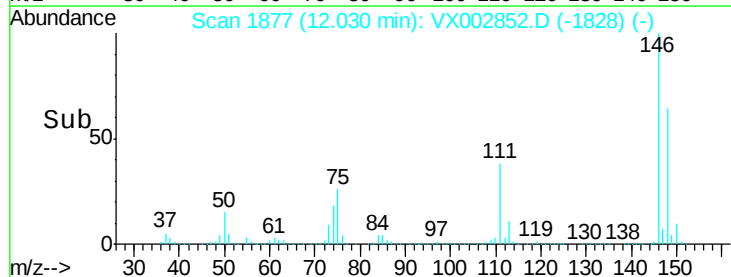
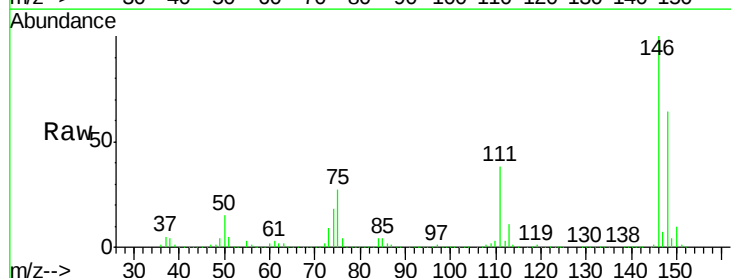
Manual Integrations
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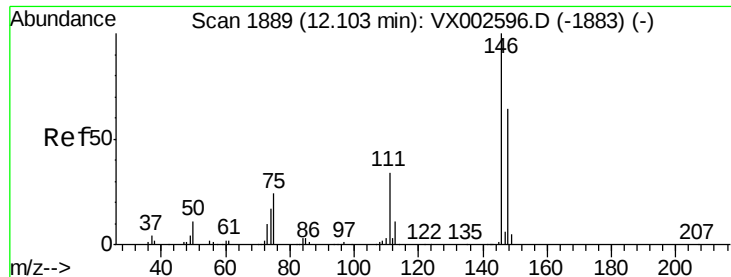
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 52.82 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	388135		
111	37.6		18.9	56.7
148	64.6		32.1	96.3





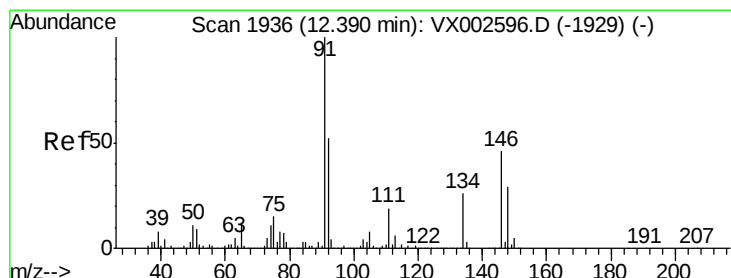
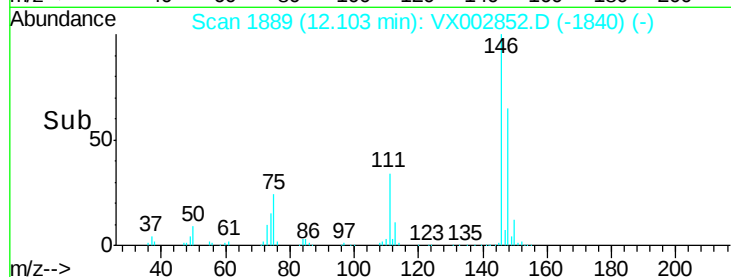
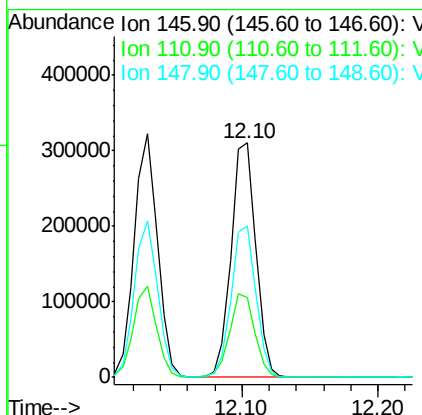
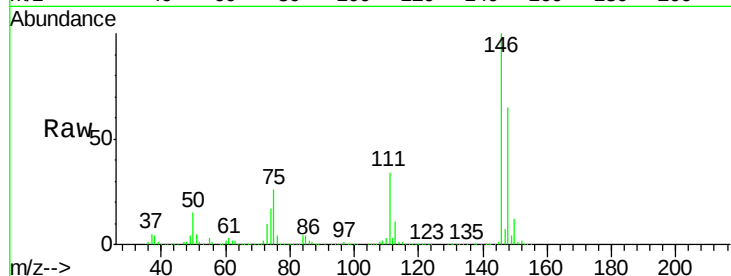
#88
 1,4-Dichlorobenzene
 Concen: 52.59 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.7	56.1
148	64.5	32.4	97.0

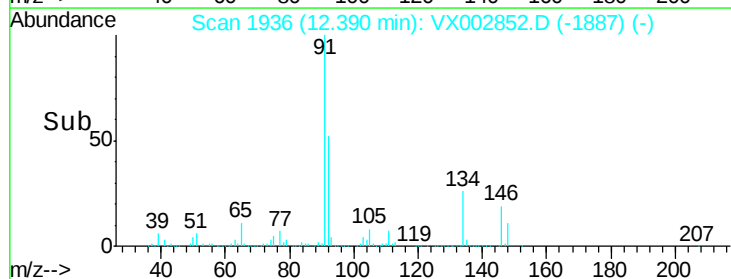
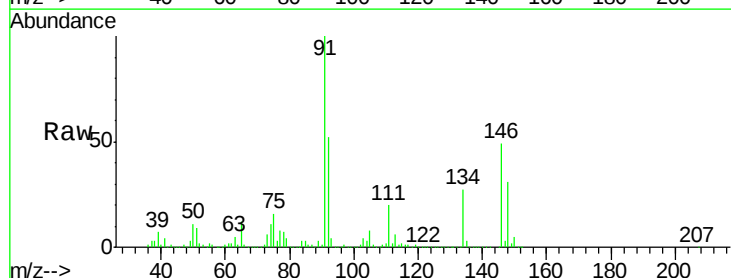
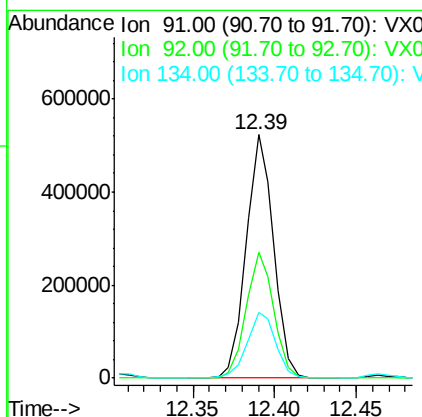
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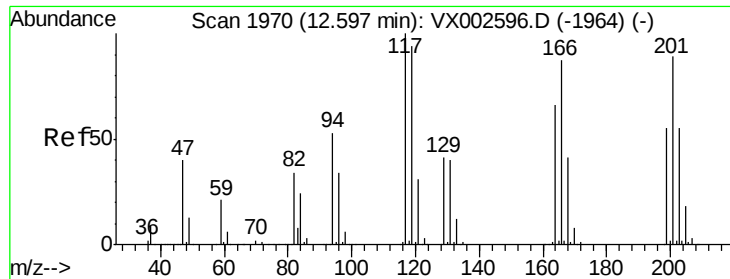
MMDadoda
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#89
 n-Butylbenzene
 Concen: 52.75 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	28.3	13.5	40.5





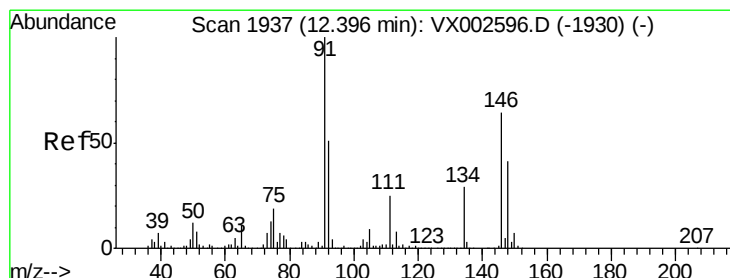
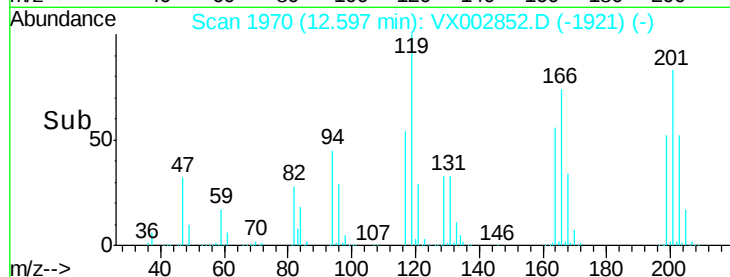
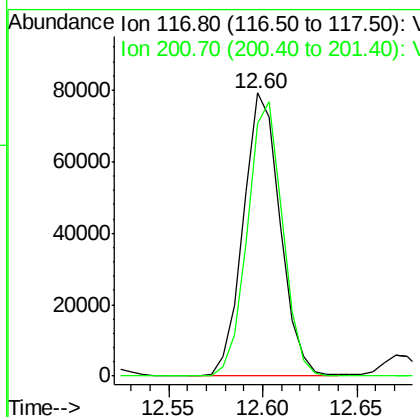
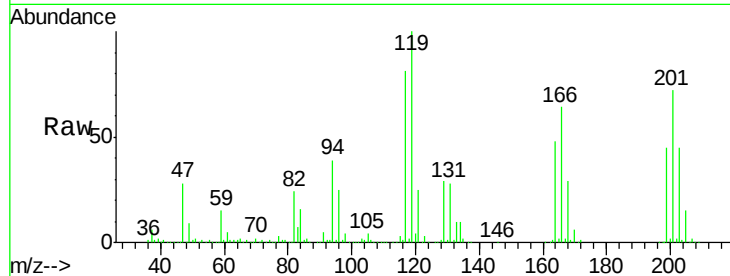
#90
Hexachloroethane
Concen: 52.11 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Instrument :
MSVOA_X
ClientSampleId :
S83-0020MS

Tot Ion:117 Resp: 107249
Ion Ratio Lower Upper
117 100
201 92.6 49.0 147.0

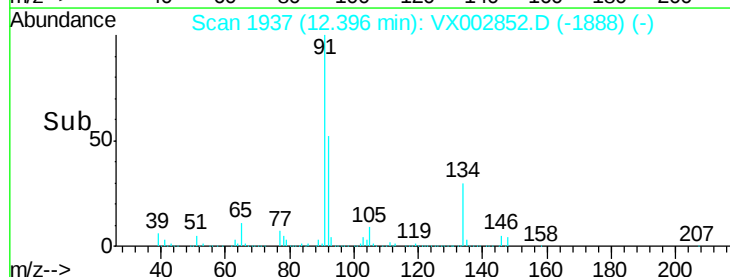
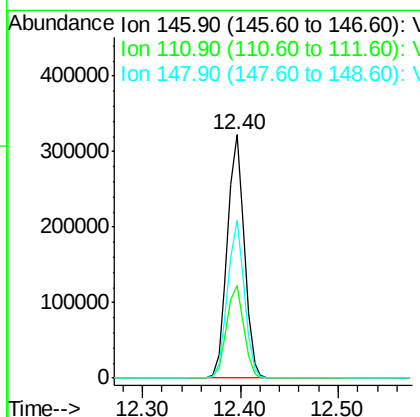
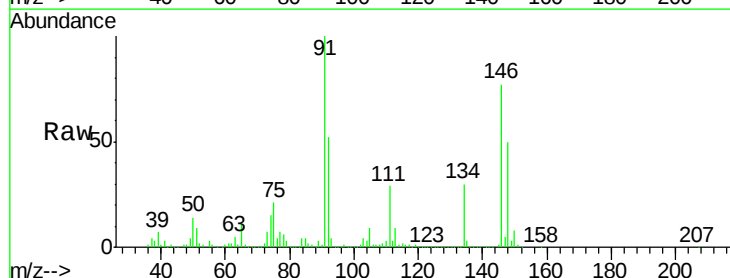
Manual Integrations
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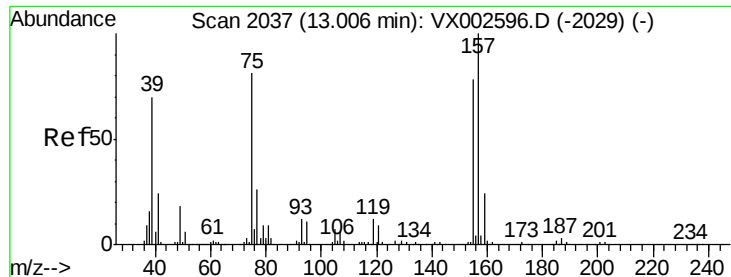
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#91
1,2-Dichlorobenzene
Concen: 52.75 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX002852.D
Acq: 23 Jun 2018 00:51

Tgt Ion:146 Resp: 390105
Ion Ratio Lower Upper
146 100
111 38.4 19.4 58.1
148 64.2 31.7 95.1





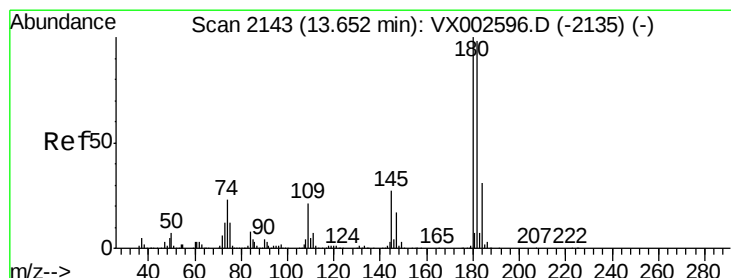
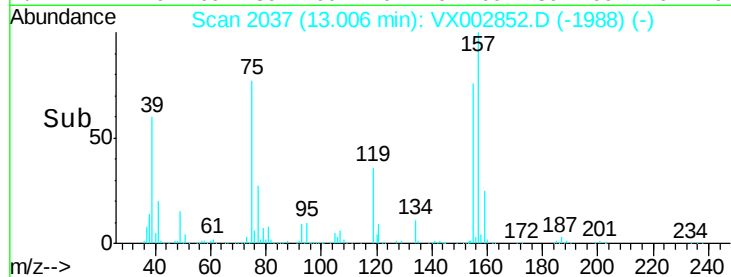
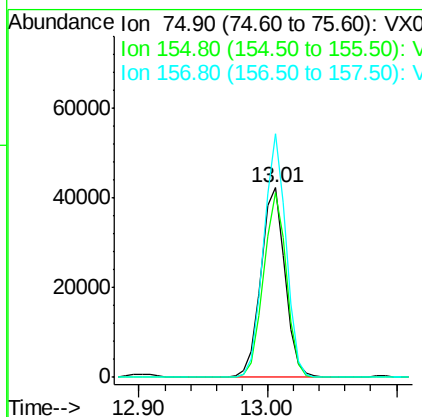
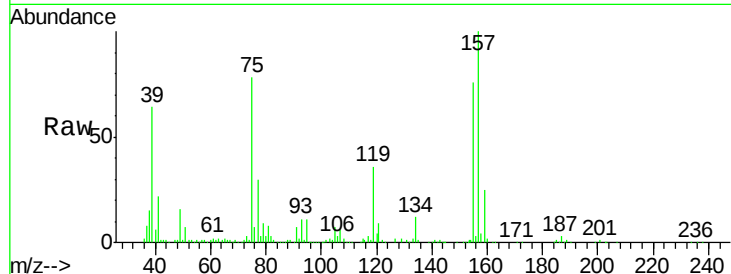
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.74 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	91.5	45.8	137.4
157	118.5	60.1	180.3

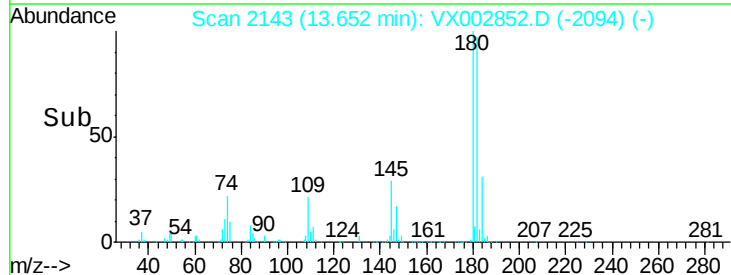
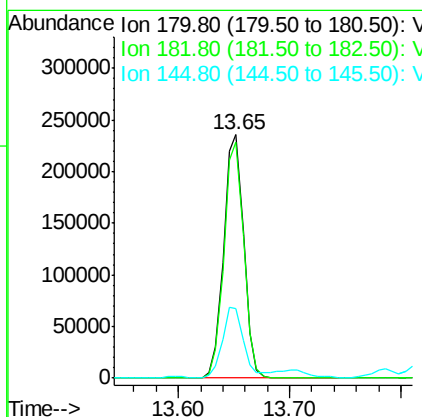
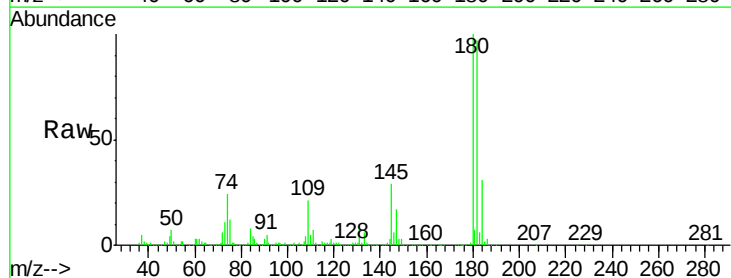
Manual Integrations
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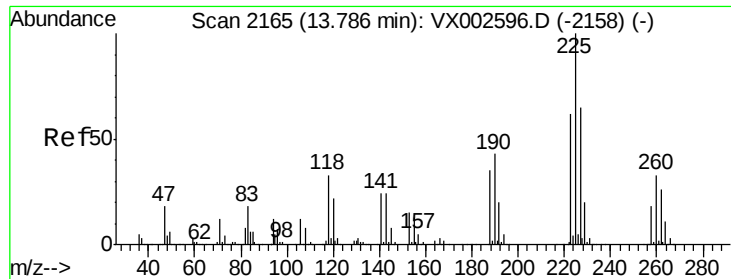
MMDadoda
 6/25/2018 6:56:08 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 54.47 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.7	143.1
145	30.4	14.1	42.4





#94

Hexachlorobutadiene

Concen: 48.95 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Instrument :

MSVOA_X

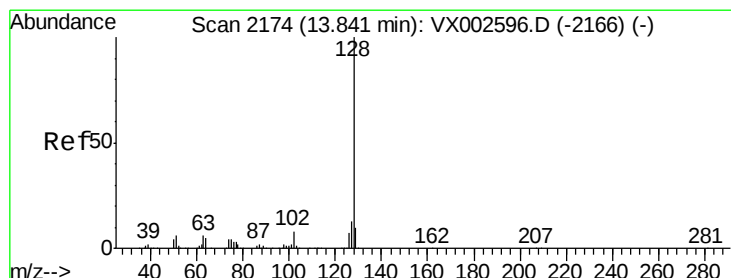
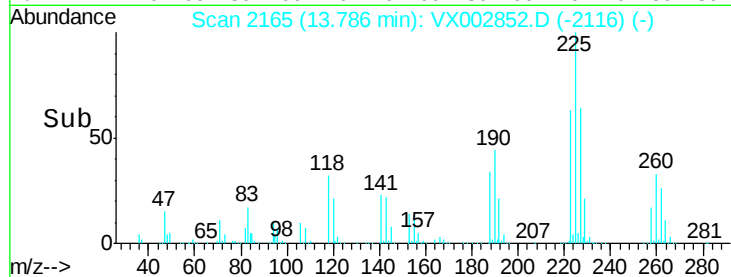
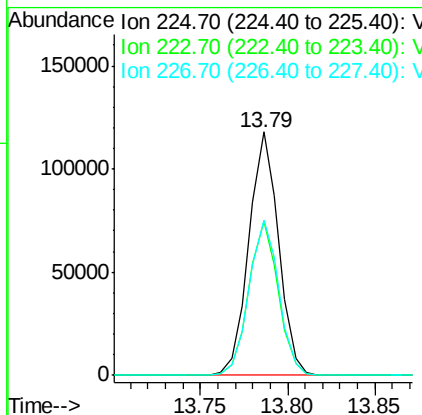
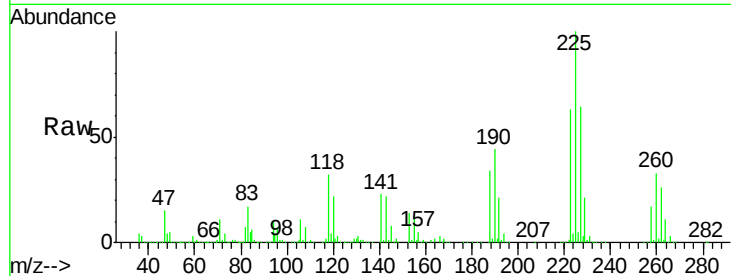
ClientSampleId :

S83-0020MS

Tot Ion:	225	Resp:	138418
Ion Ratio		Lower	Upper
225	100		
223	62.8	31.6	95.0
227	64.2	32.4	97.2

Manual Integrations
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6/25/2018 6:56:08 PM



#95

Naphthalene

Concen: 61.10 ug/l

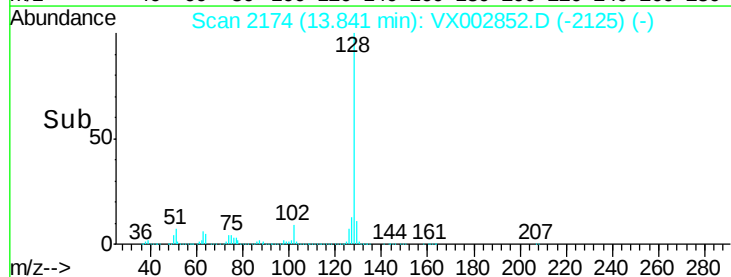
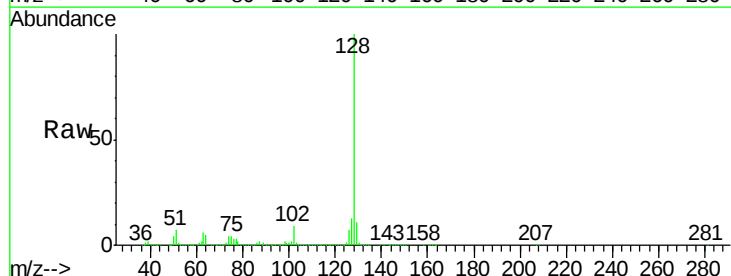
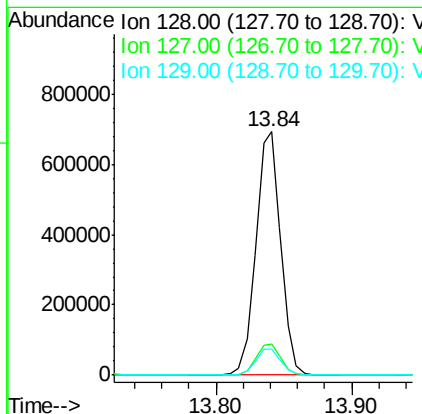
RT: 13.84 min Scan# 2174

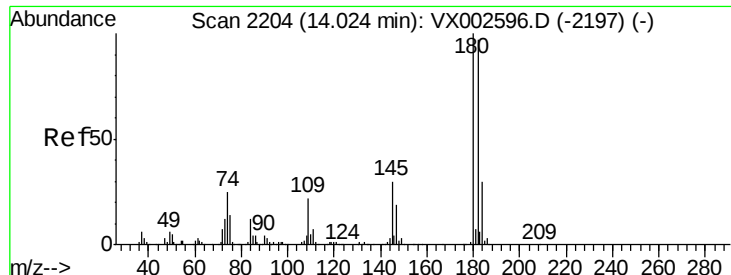
Delta R.T. 0.00 min

Lab File: VX002852.D

Acq: 23 Jun 2018 00:51

Tgt Ion:	128	Resp:	882583
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.6	13.0





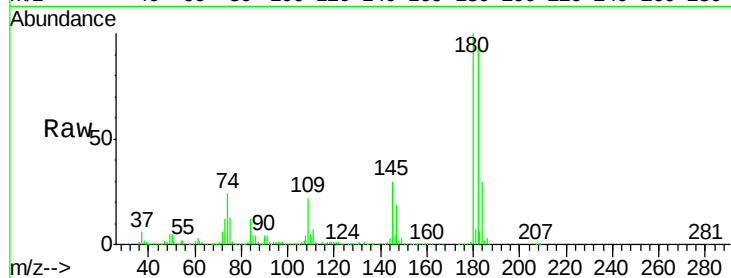
#96
 1,2,3-Trichlorobenzene
 Concen: 55.35 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002852.D
 Acq: 23 Jun 2018 00:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.2	48.0	144.0
145	33.7	14.8	44.3

Manual Integrations
 APPROVED

MMDadoda
 6/25/2018 6:56:08 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

