

Data File : VX001009.D
Acq On : 20 Apr 2018 15:27
Operator : JC/MD
Sample : VX0420MBS01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM

Quant Time: Apr 21 05:56:40 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	244207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	331116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	315628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	217216	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	148363	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	5.51	113	120739	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
50) Toluene-d8	8.72	98	440965	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
62) 4-Bromofluorobenzene	11.14	95	182855	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	65168	21.52	ug/l	98
3) Chloromethane	1.32	50	55344	19.62	ug/l	99
4) Vinyl Chloride	1.40	62	58452	20.00	ug/l	100
5) Bromomethane	1.65	94	40337	21.74	ug/l	99
6) Chloroethane	1.73	64	34109	19.64	ug/l	97
7) Trichlorofluoromethane	1.93	101	87522	19.93	ug/l	98
8) Diethyl Ether	2.19	74	32207	19.86	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50022	19.44	ug/l	98
10) Methyl Iodide	2.52	142	37183	20.02	ug/l	100
11) Tert butyl alcohol	3.07	59	48324	103.51	ug/l	98
12) 1,1-Dichloroethene	2.38	96	46933	19.73	ug/l	99
13) Acrolein	2.29	56	16919	122.17	ug/l	98
14) Allyl chloride	2.73	41	85044	19.75	ug/l	99
15) Acrylonitrile	3.15	53	123783	97.97	ug/l	99
16) Acetone	2.45	43	115019	98.67	ug/l	99
17) Carbon Disulfide	2.57	76	125870	18.56	ug/l	98
18) Methyl Acetate	2.78	43	77079	21.85	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	159215	19.90	ug/l	100
20) Methylene Chloride	2.86	84	50909	19.80	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	51001	19.25	ug/l	99
22) Diisopropyl ether	3.88	45	166524	19.98	ug/l	99
23) Vinyl Acetate	3.83	43	678865	98.37	ug/l	100
24) 1,1-Dichloroethane	3.70	63	91788	19.63	ug/l	98
25) 2-Butanone	4.71	43	181630	99.81	ug/l	98
26) 2,2-Dichloropropane	4.59	77	79389	19.74	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	58217	19.73	ug/l	100
28) Bromochloromethane	5.03	49	33228	18.48	ug/l	98
29) Tetrahydrofuran	5.17	42	112583	97.91	ug/l	99
30) Chloroform	5.22	83	95837	19.79	ug/l	100
31) Cyclohexane	5.59	56	83649	19.17	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	86041	19.82	ug/l	99
36) 1,1-Dichloropropene	5.81	75	73314	18.84	ug/l	99
37) Ethyl Acetate	4.87	43	71211	19.95	ug/l	99
38) Carbon Tetrachloride	5.79	117	74466	18.90	ug/l	98

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Instrument :

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ClientSampleId :

VX0420MBS01

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:40 PM

Quant Time: Apr 21 05:56:40 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 20 05:03:28 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	85085	18.79	ug/l	99
40) Benzene	6.15	78	210994	19.50	ug/l	99
41) Methacrylonitrile	5.07	41	41511	18.62	ug/l	98
42) 1,2-Dichloroethane	6.21	62	80957	19.50	ug/l	99
43) Isopropyl Acetate	6.47	43	119222	19.47	ug/l	99
44) Trichloroethene	7.22	130	63897	19.33	ug/l	95
45) 1,2-Dichloropropane	7.53	63	53738	19.76	ug/l	98
46) Dibromomethane	7.67	93	36886	19.41	ug/l	100
47) Bromodichloromethane	7.90	83	68423	19.43	ug/l	98
48) Methyl methacrylate	7.79	41	63789	19.35	ug/l	98
49) 1,4-Dioxane	7.76	88	18690	385.47	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	372148	100.09	ug/l	99
52) Toluene	8.79	92	138867	19.67	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	82417	19.57	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	77514	19.52	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	55126	19.64	ug/l	98
56) Ethyl methacrylate	9.19	69	81063	19.67	ug/l	98
57) 1,3-Dichloropropane	9.38	76	90412	19.45	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	202314	100.57	ug/l	100
59) 2-Hexanone	9.51	43	284886	100.10	ug/l	99
60) Dibromochloromethane	9.59	129	56938	19.32	ug/l	100
61) 1,2-Dibromoethane	9.68	107	58287	19.68	ug/l	99
64) Tetrachloroethene	9.34	164	65701	19.60	ug/l	99
65) Chlorobenzene	10.15	112	163351	19.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	56894	19.72	ug/l	99
67) Ethyl Benzene	10.26	91	272864	19.55	ug/l	98
68) m/p-Xylenes	10.37	106	213101	38.74	ug/l	100
69) o-Xylene	10.71	106	102958	19.41	ug/l	99
70) Styrene	10.72	104	169358	19.39	ug/l	99
71) Bromoform	10.87	173	44563	18.41	ug/l #	99
73) Isopropylbenzene	11.02	105	279814	19.70	ug/l	99
74) N-amyl acetate	6.47	43	119222	19.63	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	78943	19.64	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	75268m	19.97	ug/l	
77) Bromobenzene	11.26	156	80058	19.42	ug/l	98
78) n-propylbenzene	11.37	91	318547	19.54	ug/l	99
79) 2-Chlorotoluene	11.43	91	188767	19.60	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	237889	19.76	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	19079	17.77	ug/l	92
82) 4-Chlorotoluene	11.52	91	226297	19.44	ug/l	99
83) tert-Butylbenzene	11.77	119	238740	19.66	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	244572	19.74	ug/l	99
85) sec-Butylbenzene	11.95	105	284626	19.64	ug/l	100
86) p-Isopropyltoluene	12.07	119	263320	19.64	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	148777	19.28	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	152239	19.22	ug/l	99
89) n-Butylbenzene	12.40	91	233396	19.56	ug/l	99
90) Hexachloroethane	12.60	117	35426	18.64	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	144463	19.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16623	19.74	ug/l	97

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042018\
Quantitation Report (QT Reviewed)

Data File : VX001009.D
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Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM

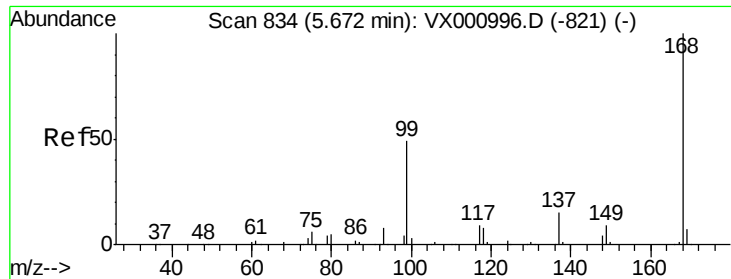
Quant Time: Apr 21 05:56:40 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	118982	18.97	ug/l	99
94) Hexachlorobutadiene	13.79	225	52051	18.34	ug/l	99
95) Naphthalene	13.84	128	309469	20.06	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	115034	18.97	ug/l	98

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

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[illegible]



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion:168 Resp: 244207

Ion Ratio Lower Upper

168 100

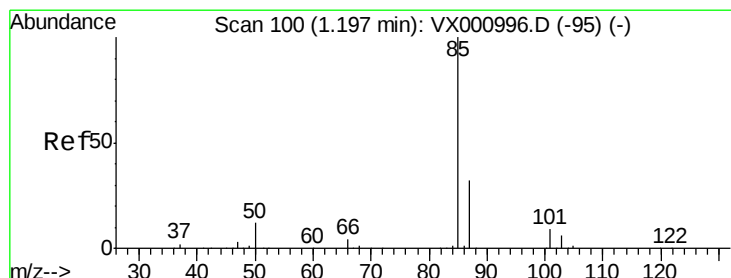
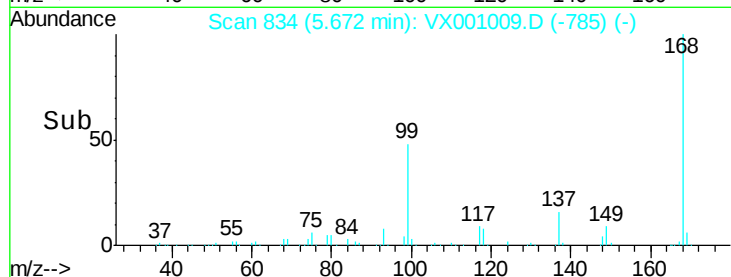
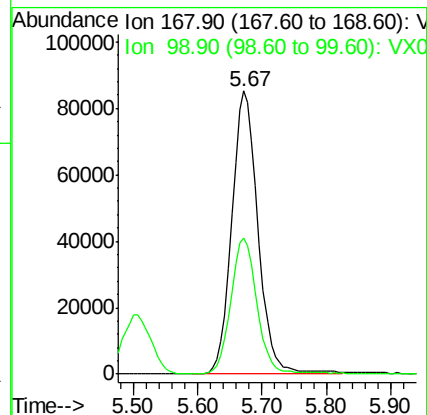
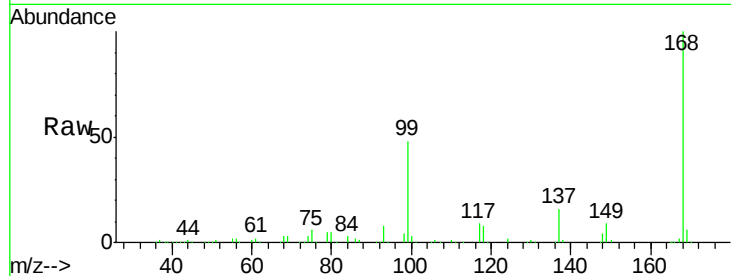
99 47.9 39.2 58.8

Manual Integrations

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4/23/2018 1:27:40 PM



#2

Dichlorodifluoromethane

Concen: 21.52 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001009.D

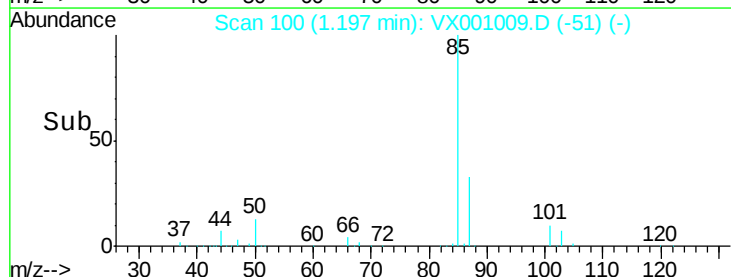
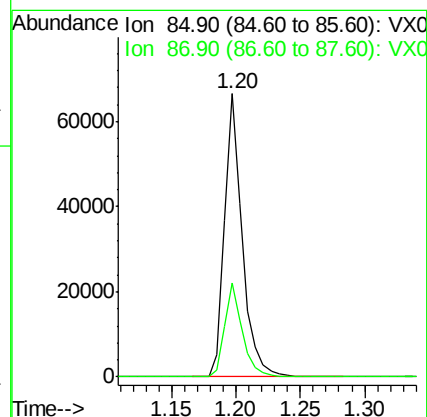
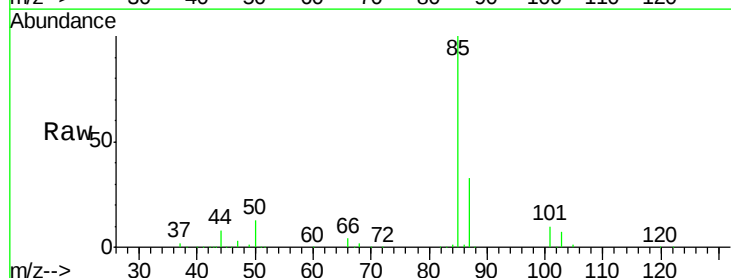
Acq: 20 Apr 2018 15:27

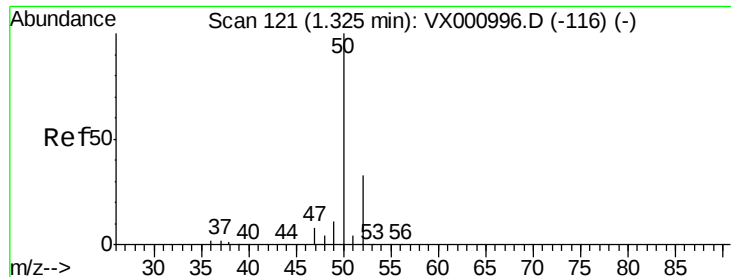
Tgt Ion: 85 Resp: 65168

Ion Ratio Lower Upper

85 100

87 33.0 15.8 47.4





#3

Chloromethane

Concen: 19.62 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 50 Resp: 55344

Ion Ratio Lower Upper

50 100

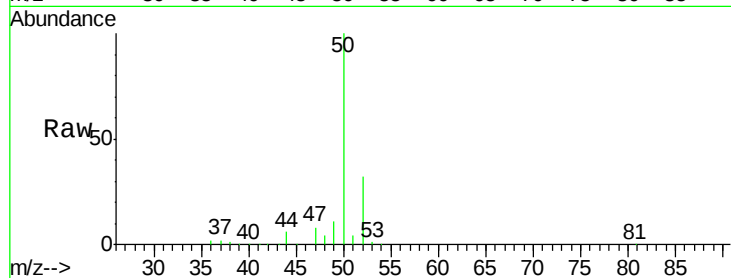
52 32.4 26.3 39.5

Manual Integrations

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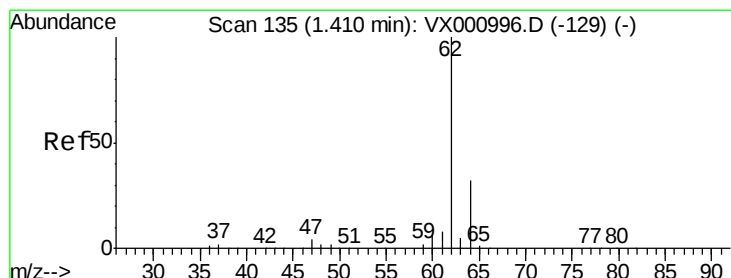
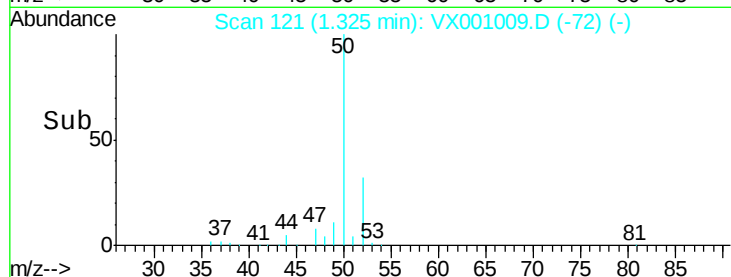
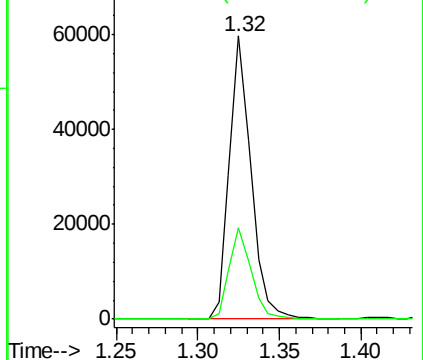
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.00 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001009.D

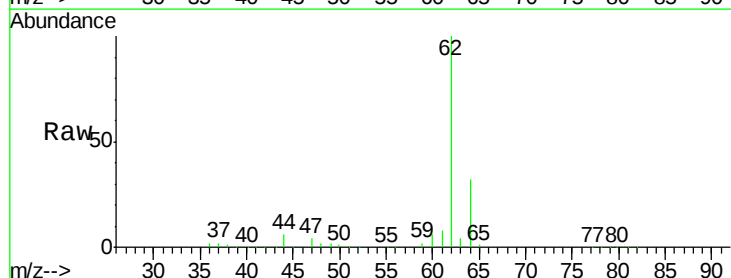
Acq: 20 Apr 2018 15:27

Tgt Ion: 62 Resp: 58452

Ion Ratio Lower Upper

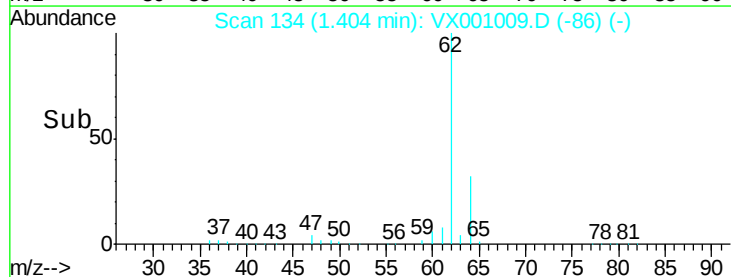
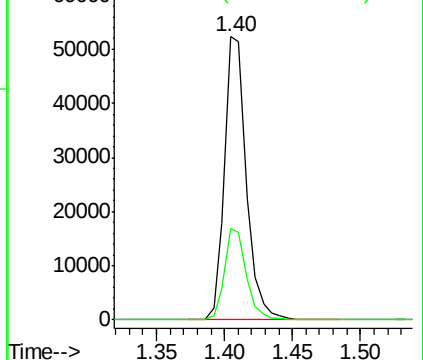
62 100

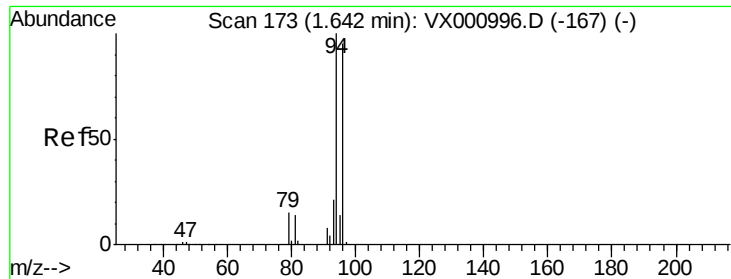
64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.74 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 94 Resp: 40337

Ion Ratio Lower Upper

94 100

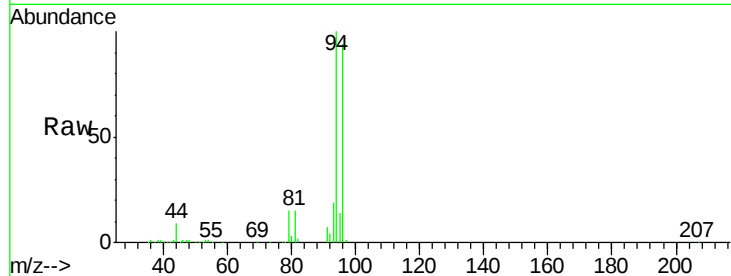
96 94.1 76.0 114.0

Manual Integrations

APPROVED

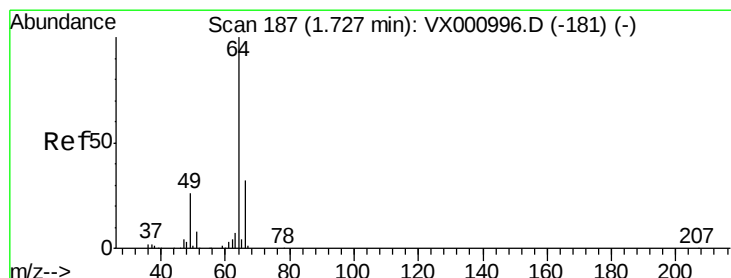
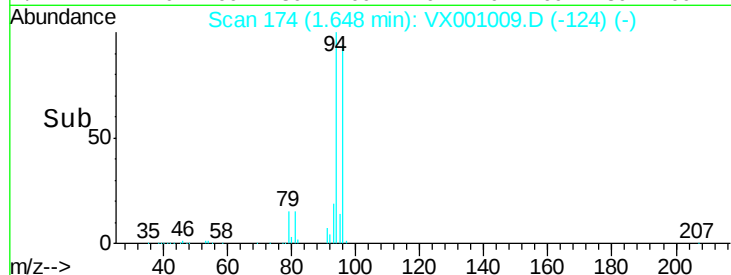
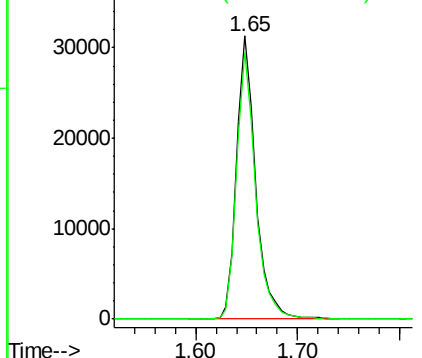
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.64 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001009.D

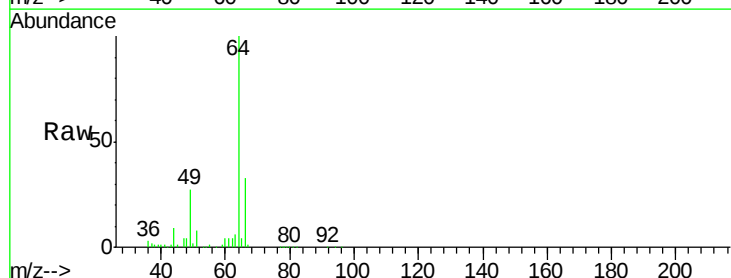
Acq: 20 Apr 2018 15:27

Tgt Ion: 64 Resp: 34109

Ion Ratio Lower Upper

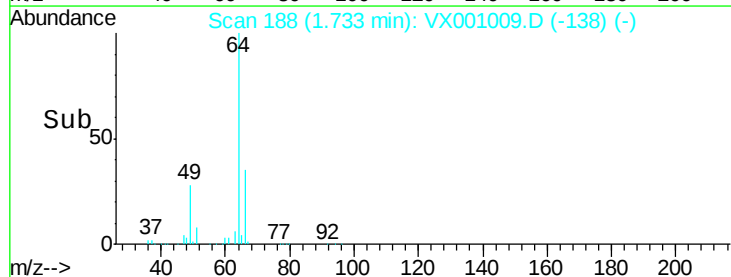
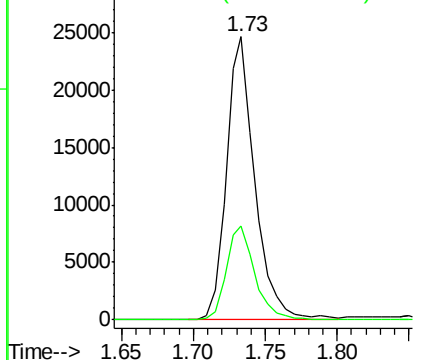
64 100

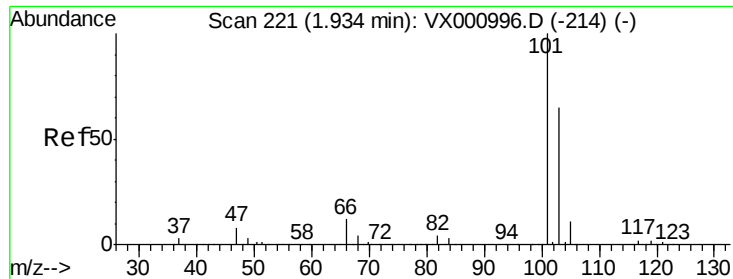
66 33.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

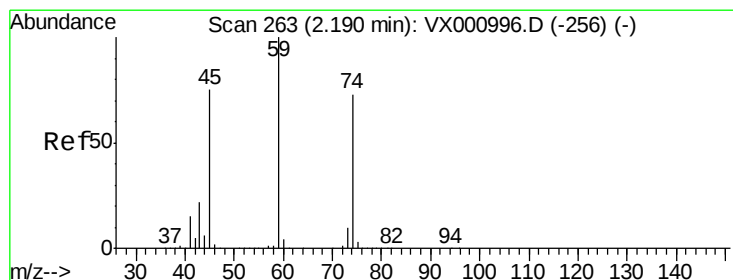
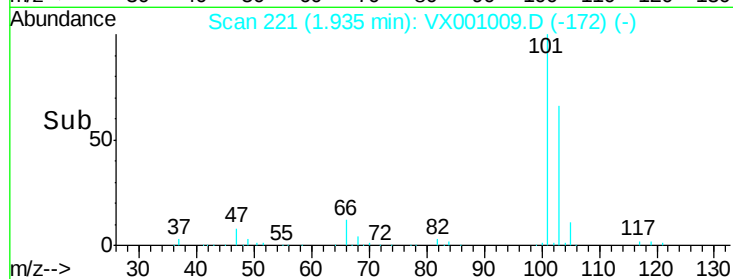
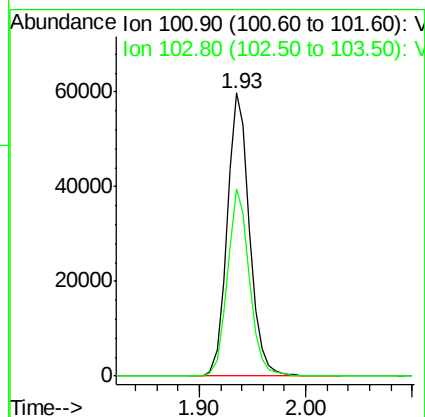
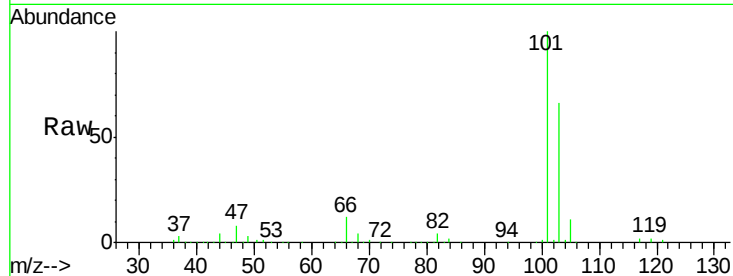
Trichlorofluoromethane
 Concen: 19.93 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBS01

Tgt Ion: 101 Resp: 87522
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.8 77.8

Manual Integrations
 APPROVED

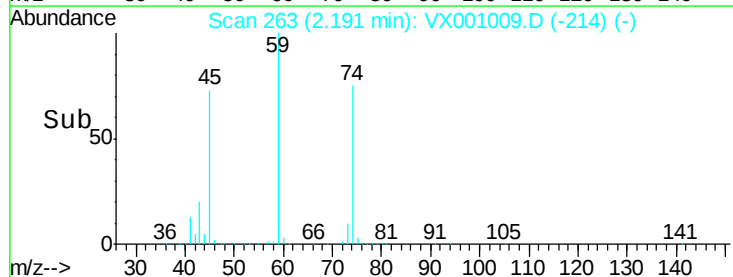
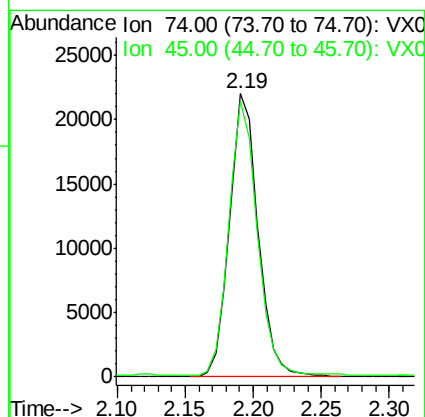
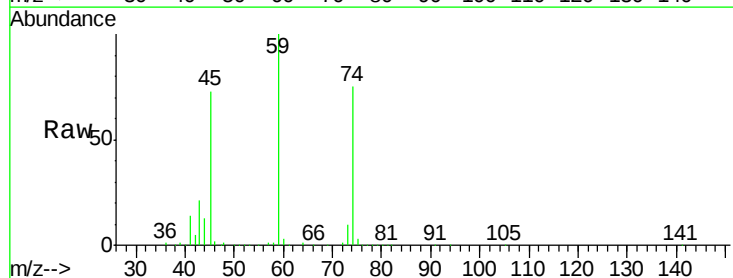
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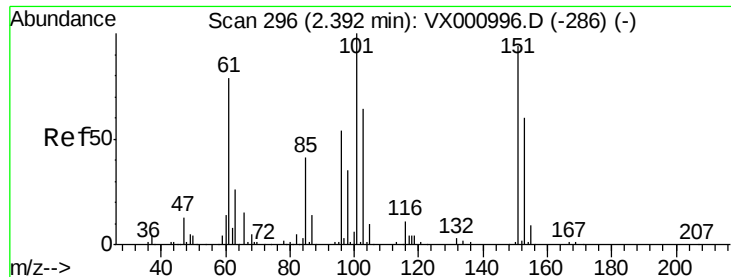


#8

Diethyl Ether
 Concen: 19.86 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion: 74 Resp: 32207
 Ion Ratio Lower Upper
 74 100
 45 96.5 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.44 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

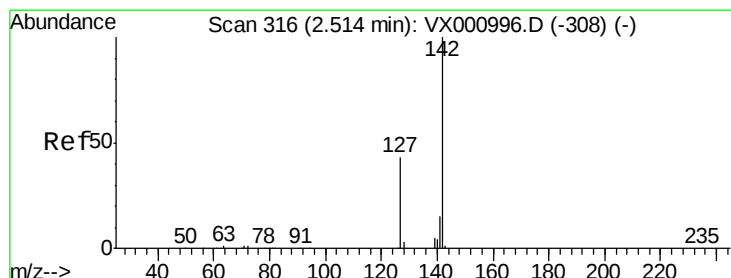
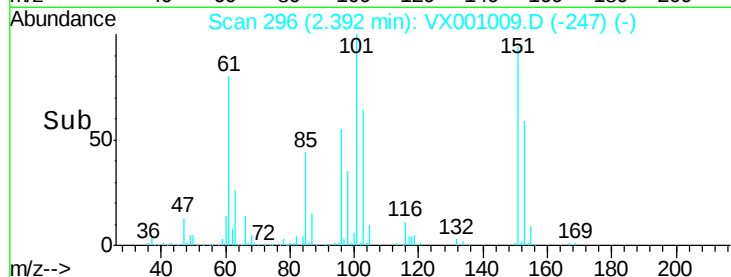
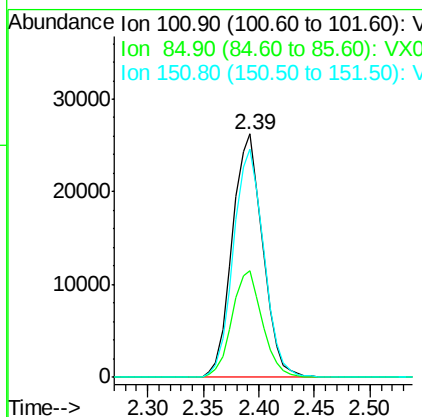
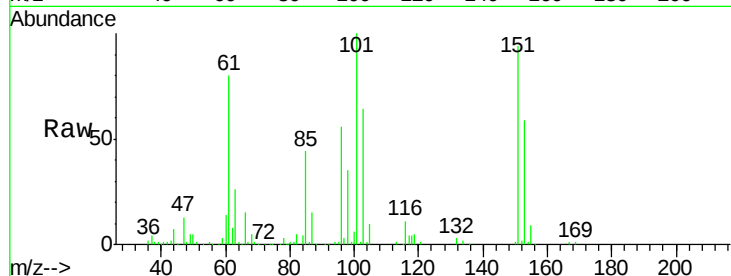
ClientSampleId :

VX0420MBS01

Tgt Ion:	101	Resp:	50022
Ion Ratio	Lower	Upper	
101	100		
85	43.6	33.9	50.9
151	93.5	73.5	110.3

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 20.02 ug/l

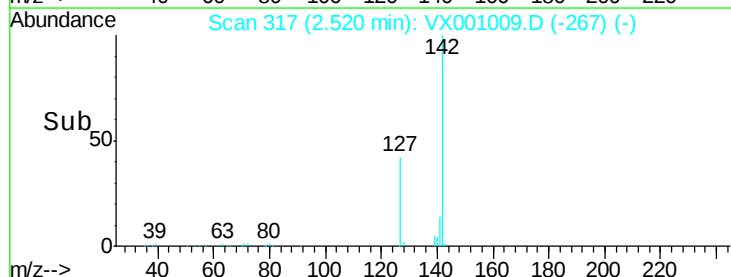
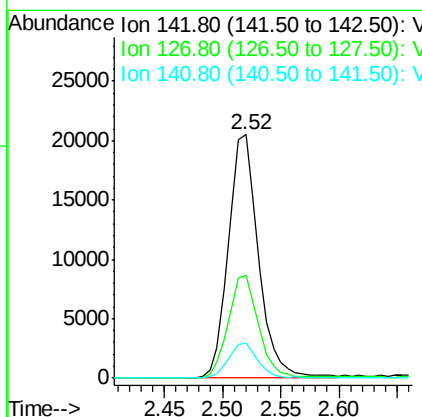
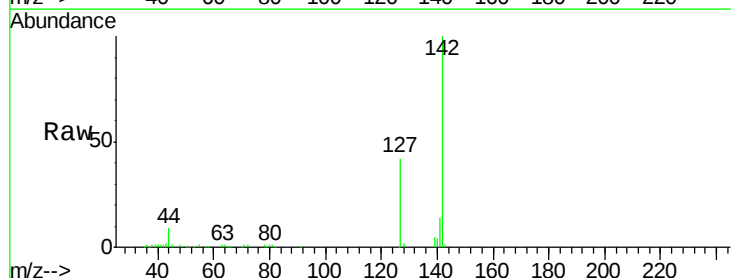
RT: 2.52 min Scan# 317

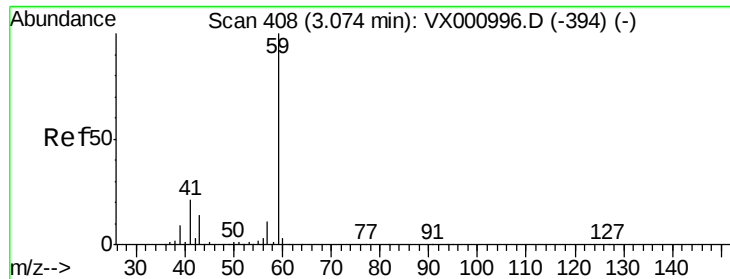
Delta R.T. 0.01 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion:	142	Resp:	37183
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.0	51.0
141	14.1	11.4	17.2





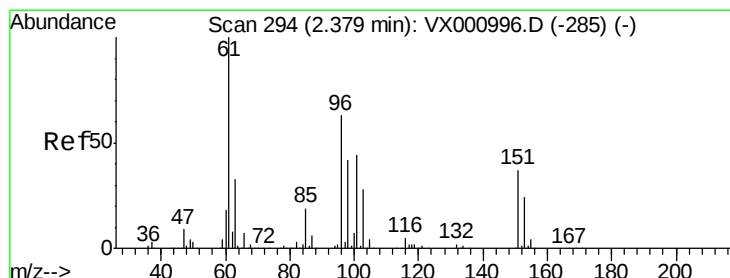
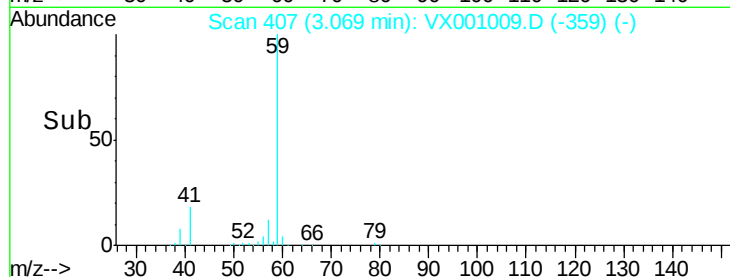
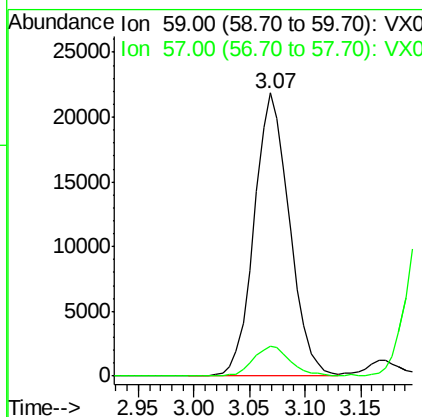
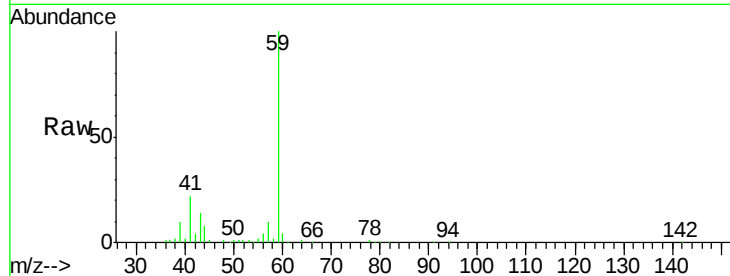
#11
Tert butyl alcohol
Concen: 103.51 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion: 59 Resp: 48324
Ion Ratio Lower Upper
59 100
57 11.2 8.3 12.5

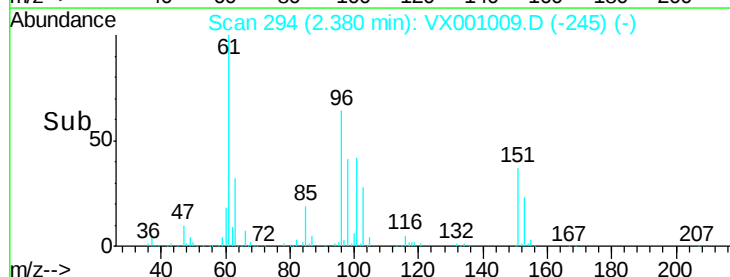
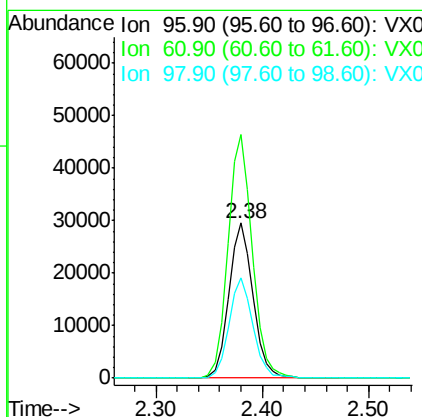
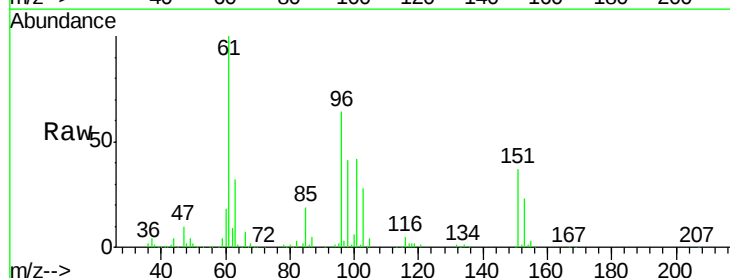
Manual Integrations
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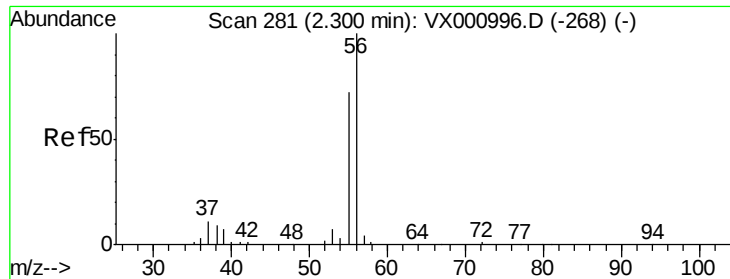
MMDadoda
4/23/2018 1:27:40 PM



#12
1,1-Dichloroethene
Concen: 19.73 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 96 Resp: 46933
Ion Ratio Lower Upper
96 100
61 157.2 126.4 189.6
98 65.0 52.6 78.8





#13

Acrolein

Concen: 122.17 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 56 Resp: 16919

Ion Ratio Lower Upper

56 100

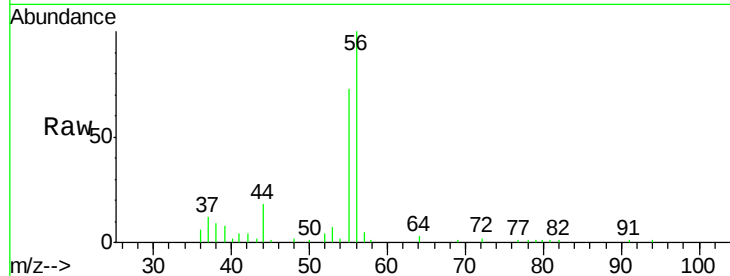
55 70.3 57.4 86.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

12000

10000

8000

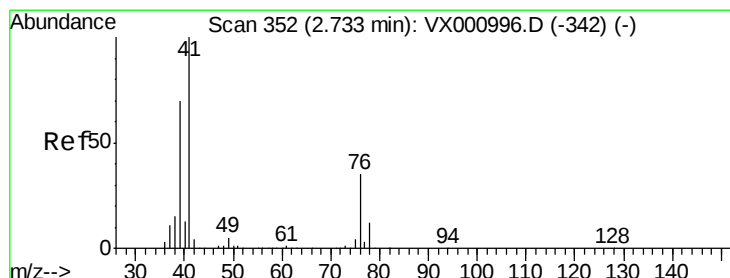
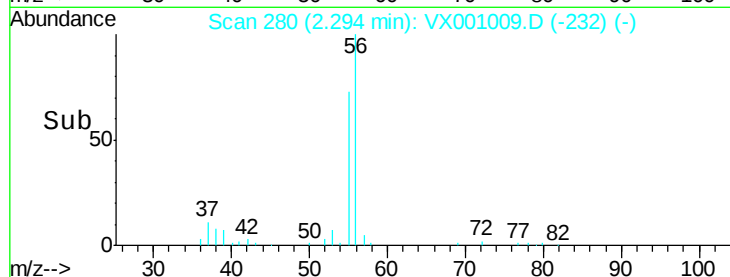
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 19.75 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

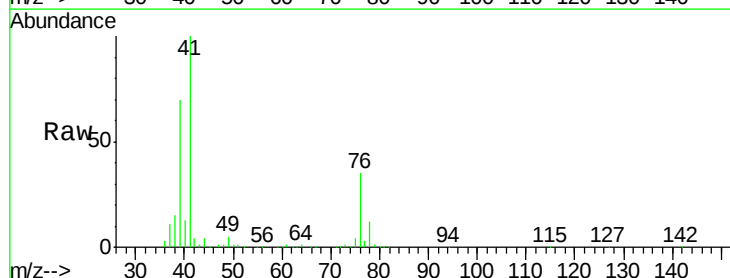
Tgt Ion: 41 Resp: 85044

Ion Ratio Lower Upper

41 100

39 65.7 53.0 79.6

76 32.7 25.9 38.9



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

100000

80000

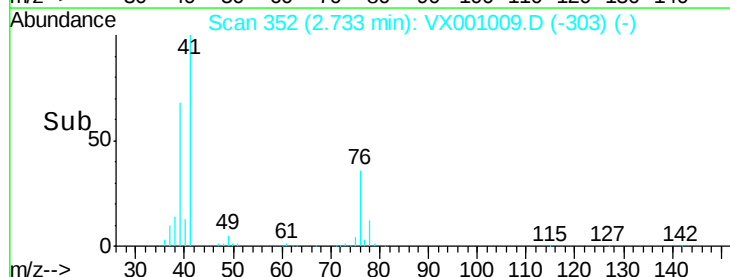
60000

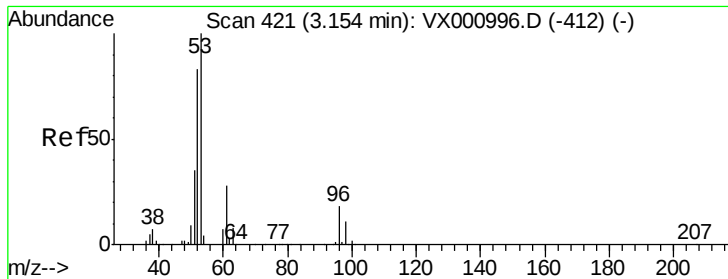
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 97.97 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

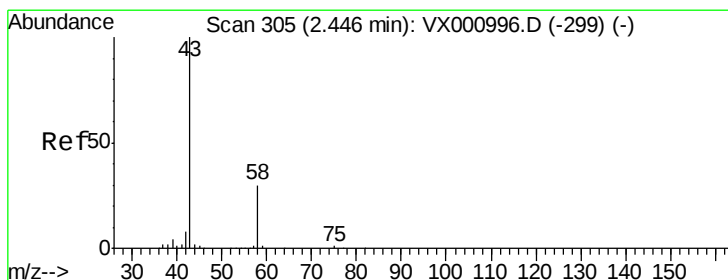
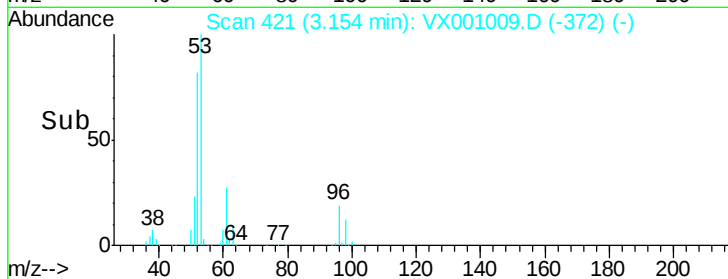
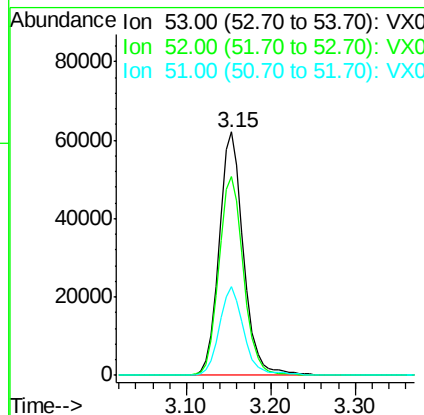
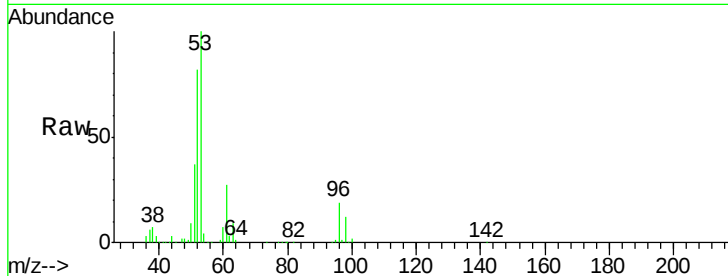
ClientSampleId :

VX0420MBS01

Tgt Ion:	53	Resp:	123783
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.4	99.6
51	36.7	29.0	43.6

Manual Integrations
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MMDadoda
4/23/2018 1:27:40 PM



#16

Acetone

Concen: 98.67 ug/l

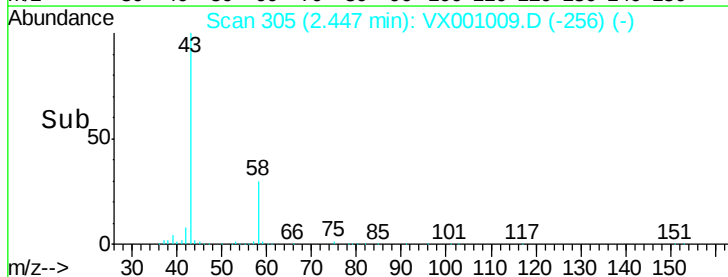
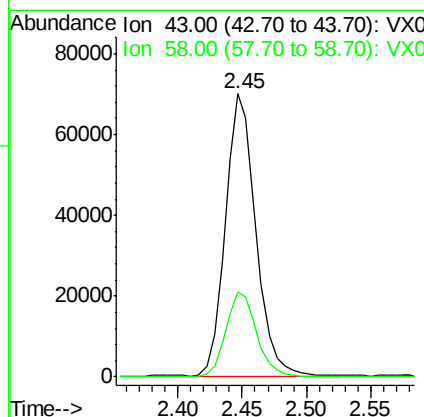
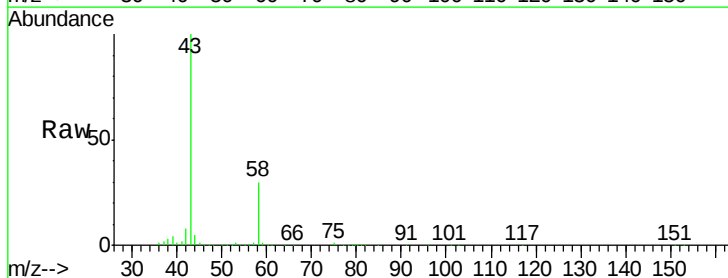
RT: 2.45 min Scan# 305

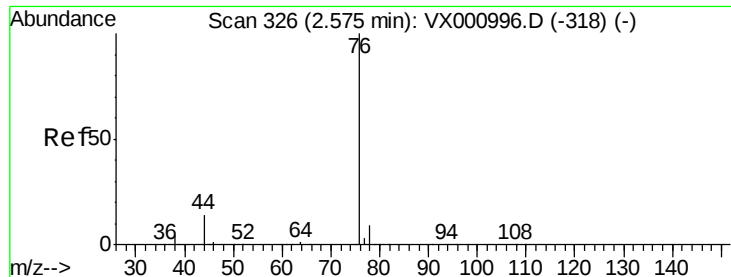
Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion:	43	Resp:	115019
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.7	35.5





#17

Carbon Disulfide

Concen: 18.56 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 76 Resp: 125870

Ion Ratio Lower Upper

76 100

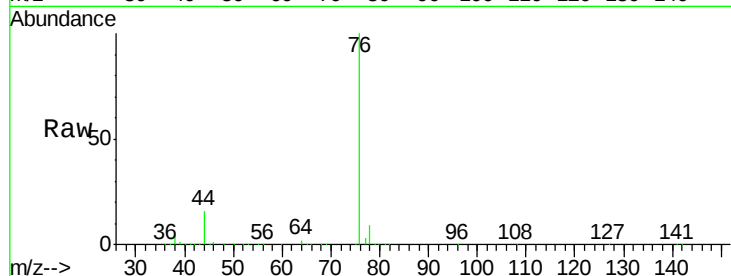
78 8.4 7.3 10.9

Manual Integrations

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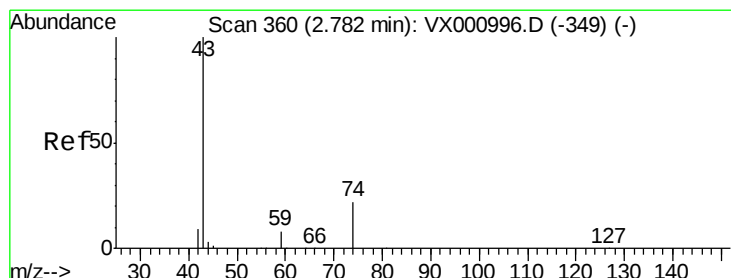
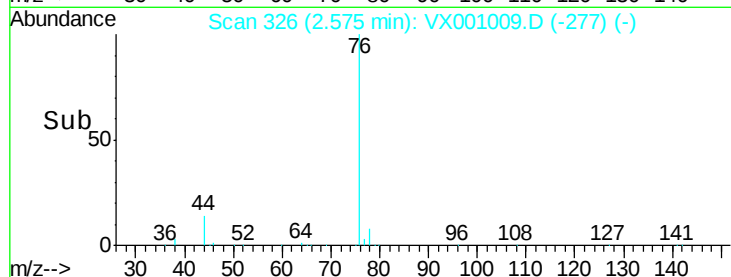
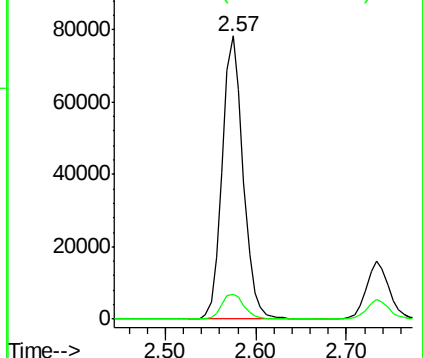
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.85 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001009.D

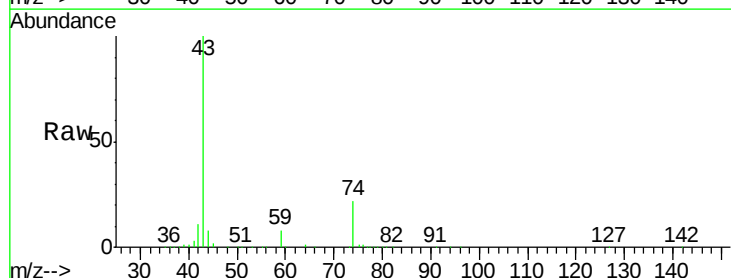
Acq: 20 Apr 2018 15:27

Tgt Ion: 43 Resp: 77079

Ion Ratio Lower Upper

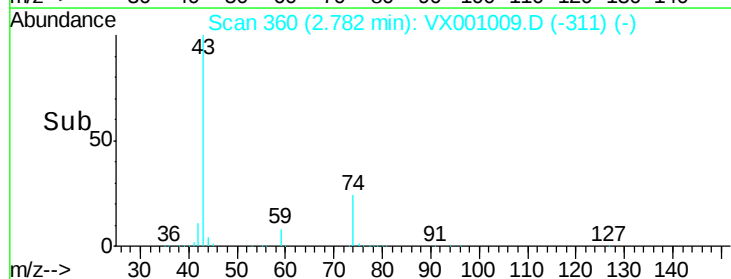
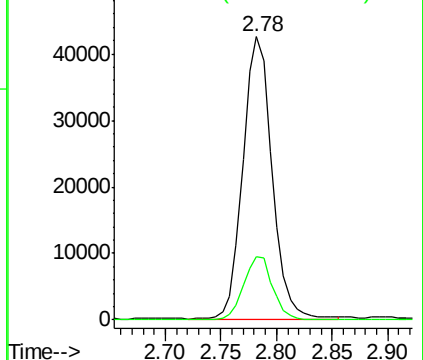
43 100

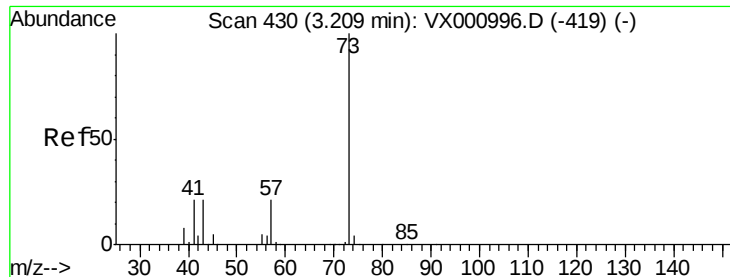
74 22.7 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

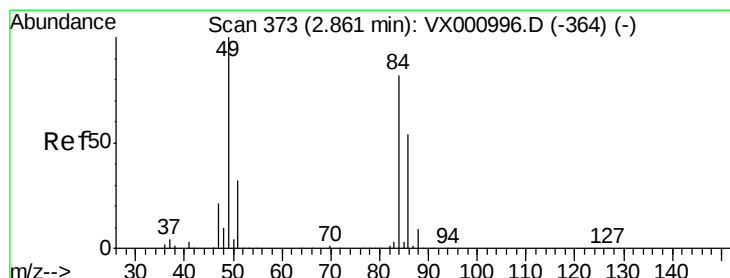
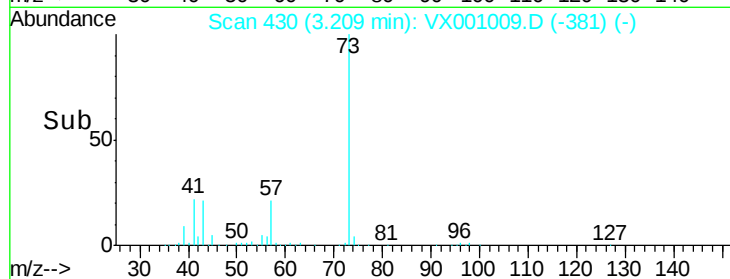
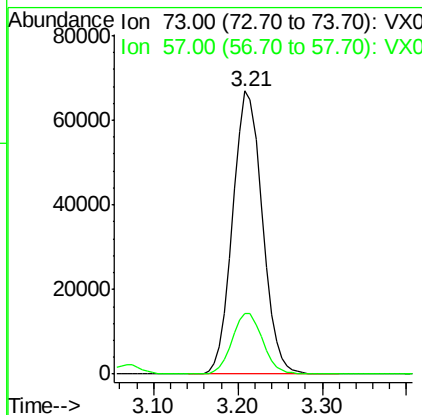
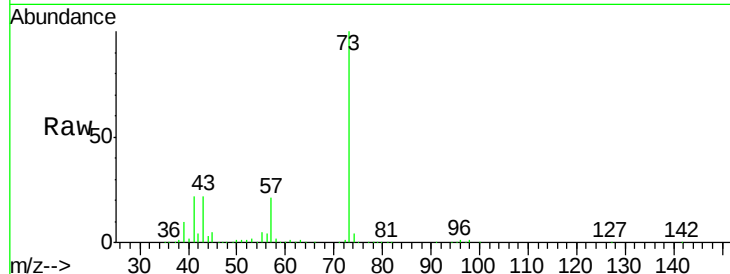
Methyl tert-butyl Ether
 Concen: 19.90 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBS01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.1	25.7

Manual Integrations
 APPROVED

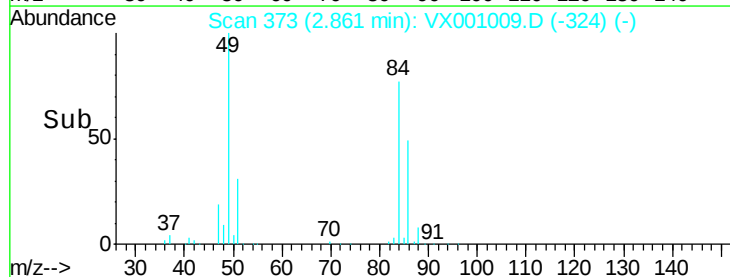
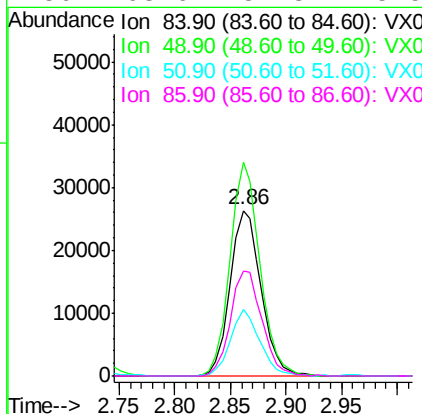
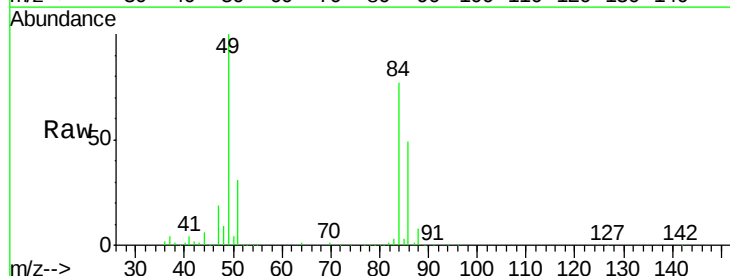
MMDadoda
 4/23/2018 1:27:40 PM

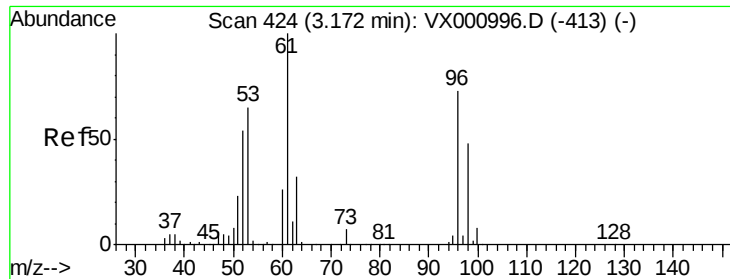


#20

Methylene Chloride
 Concen: 19.80 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.1	97.1	145.7
51	40.0	30.8	46.2
86	63.6	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.25 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

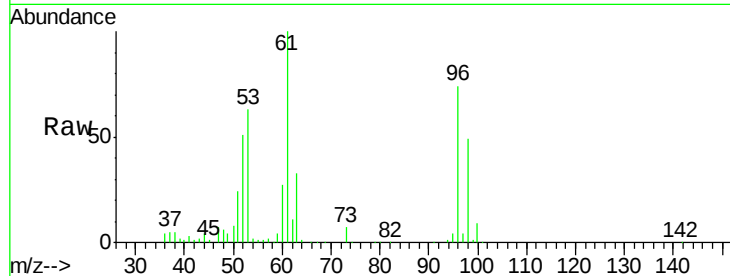
ClientSampleId :

VX0420MBS01

Tgt Ion:	96	Resp:	51001
Ion	Ratio	Lower	Upper
96	100		
61	135.0	109.4	164.2
98	65.6	52.6	78.8

Manual Integrations
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MMDadoda
4/23/2018 1:27:40 PM

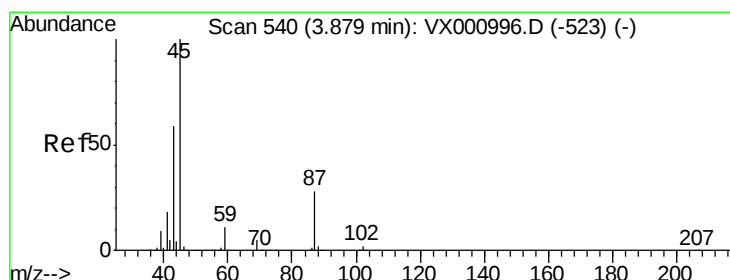
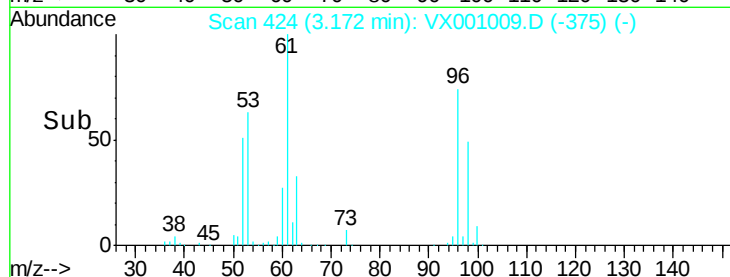
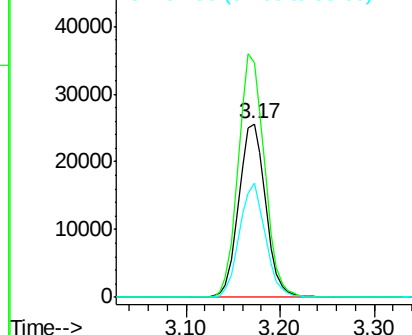


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.98 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion:	45	Resp:	166524
Ion	Ratio	Lower	Upper
45	100		
43	60.1	47.0	70.4
87	27.6	22.5	33.7
59	11.0	8.8	13.2

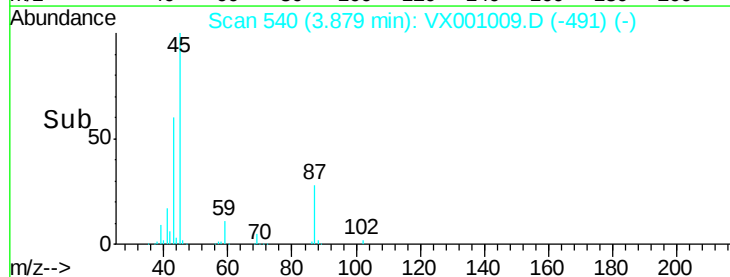
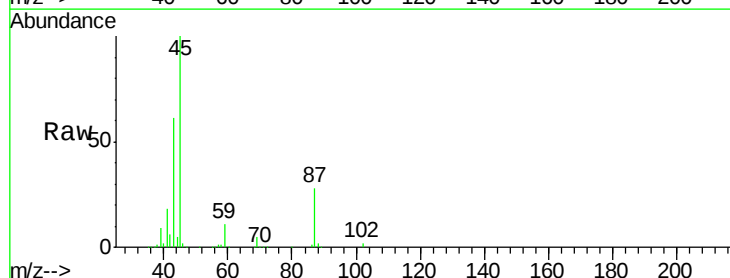
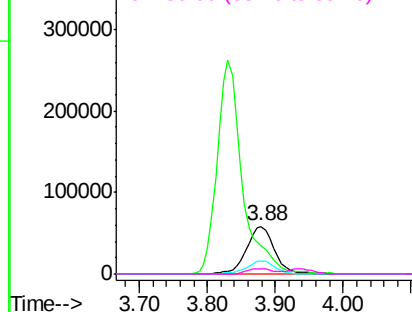
Abundance

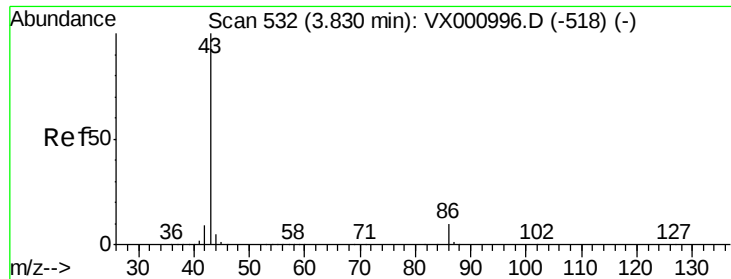
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 98.37 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 43 Resp: 678865

Ion Ratio Lower Upper

43 100

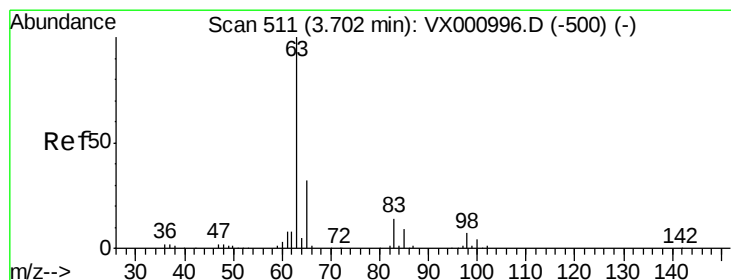
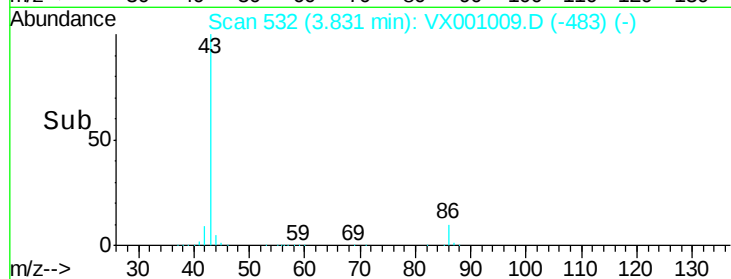
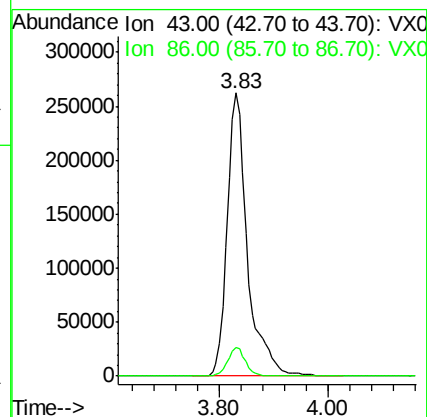
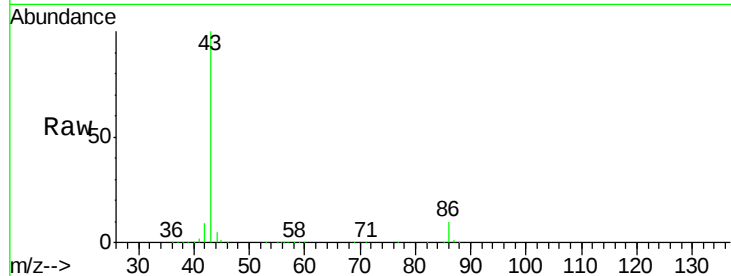
86 10.1 8.1 12.1

Manual Integrations

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MMDadoda

4/23/2018 1:27:40 PM



#24

1,1-Dichloroethane

Concen: 19.63 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

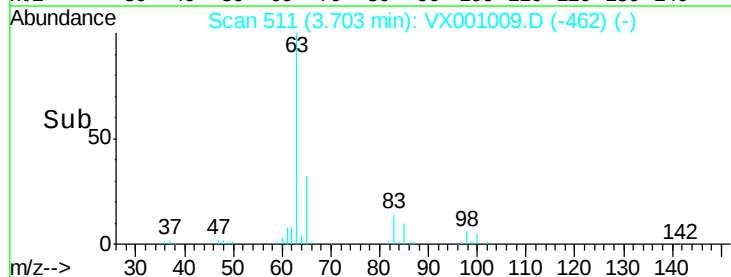
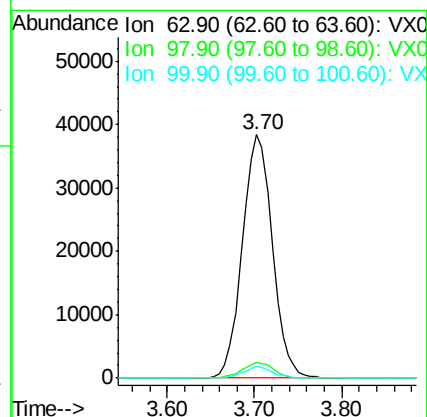
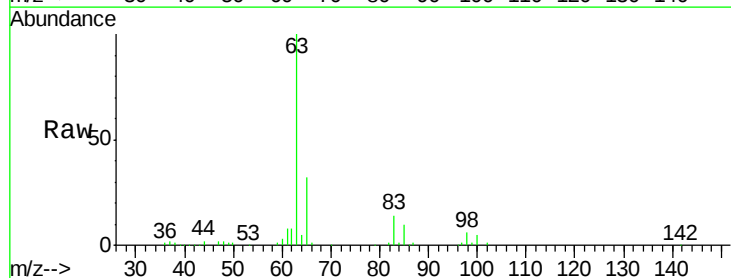
Tgt Ion: 63 Resp: 91788

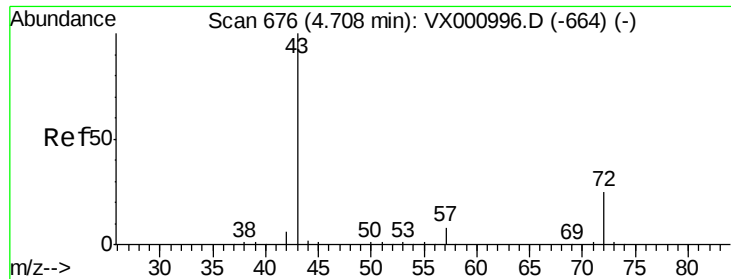
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 5.2 2.1 6.3





#25

2-Butanone

Concen: 99.81 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 43 Resp: 181630

Ion Ratio Lower Upper

43 100

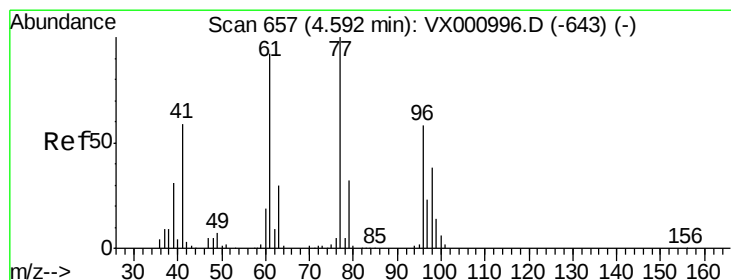
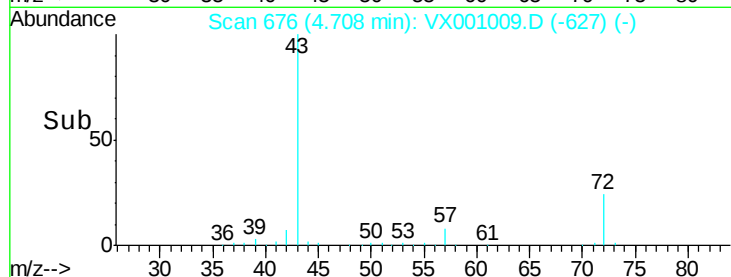
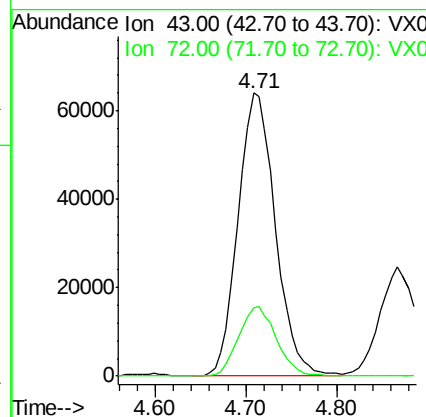
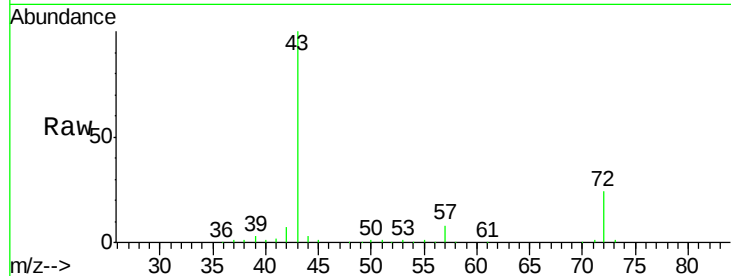
72 24.0 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.74 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001009.D

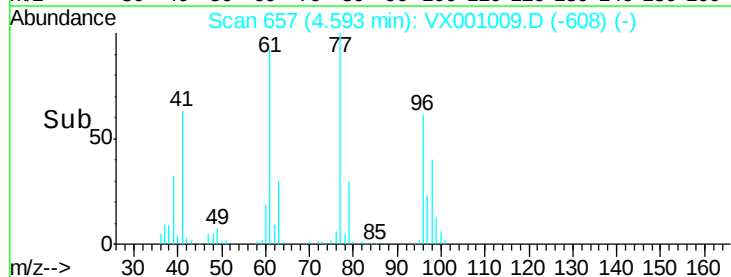
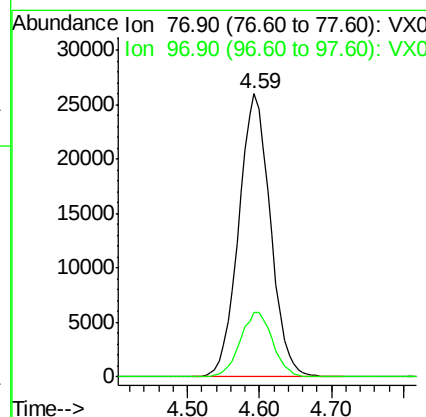
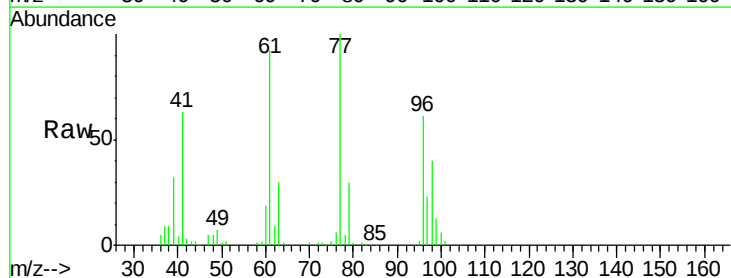
Acq: 20 Apr 2018 15:27

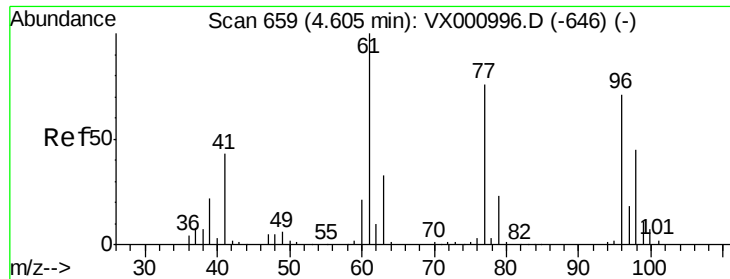
Tgt Ion: 77 Resp: 79389

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4





#27

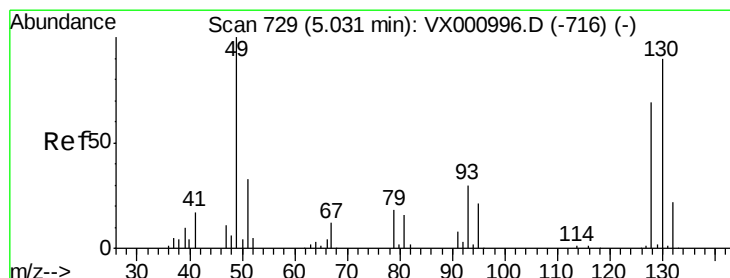
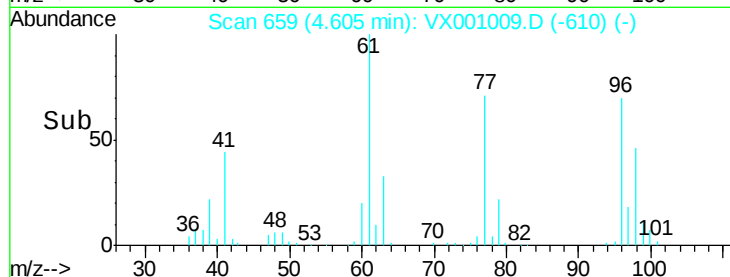
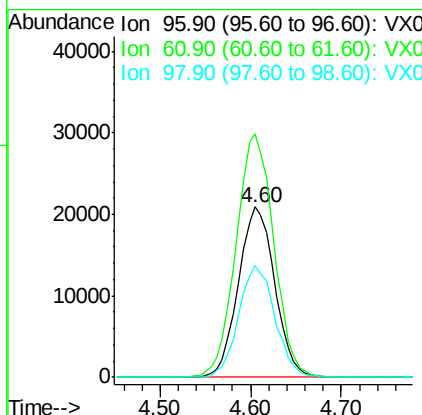
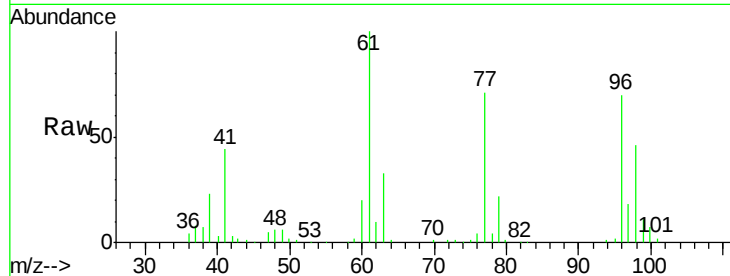
cis-1,2-Dichloroethene
Concen: 19.73 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	297.0
98	65.2	0.0	130.0

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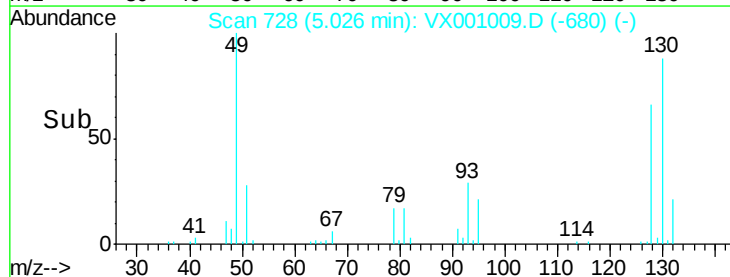
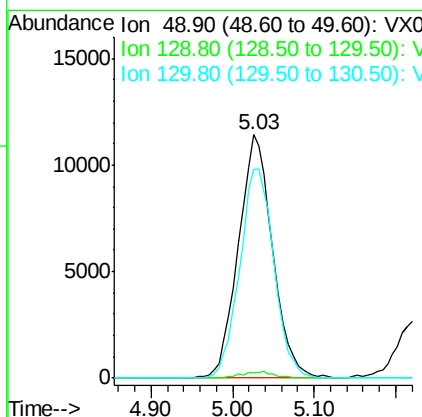
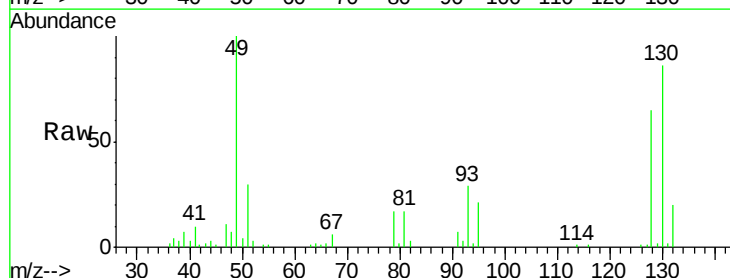
MMDadoda
4/23/2018 1:27:40 PM

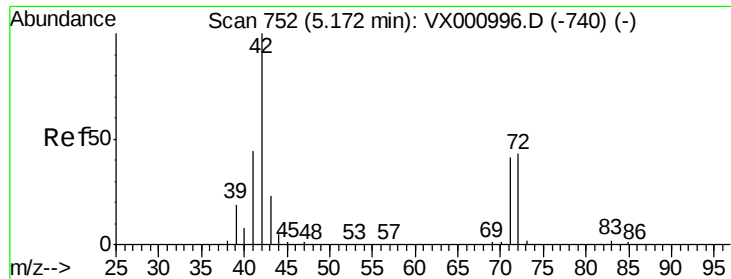


#28

Bromochloromethane
Concen: 18.48 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	86.0	70.6	105.8





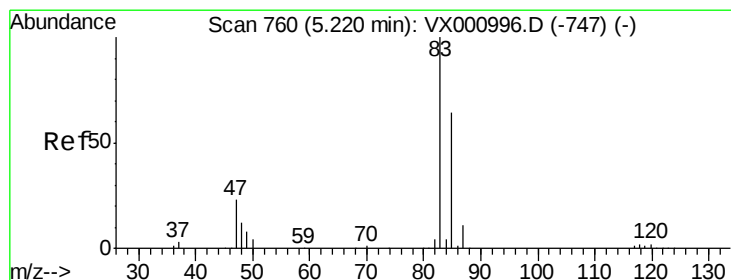
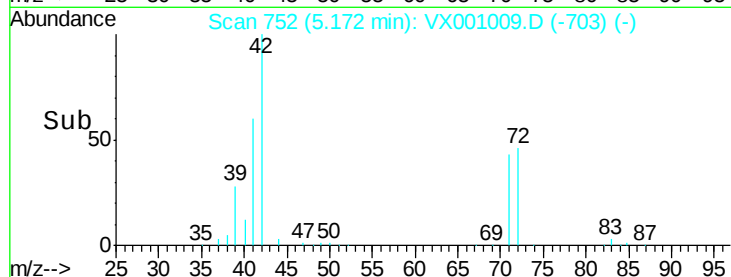
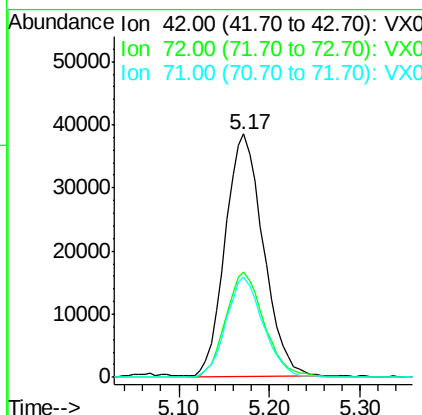
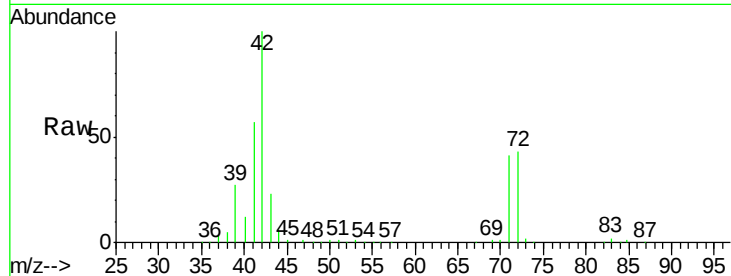
#29
Tetrahydrofuran
Concen: 97.91 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.6	52.0
71	40.5	32.6	49.0

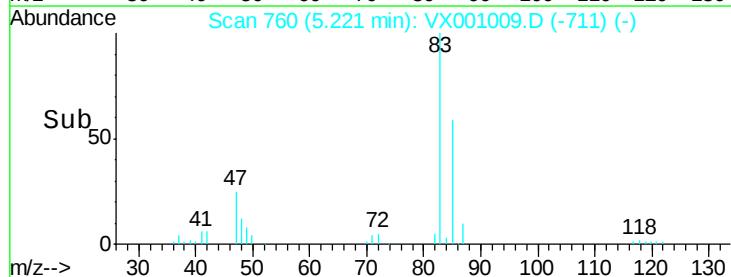
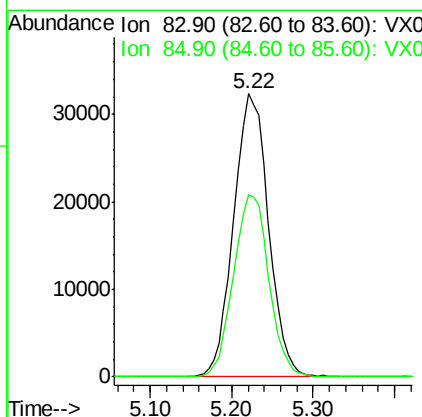
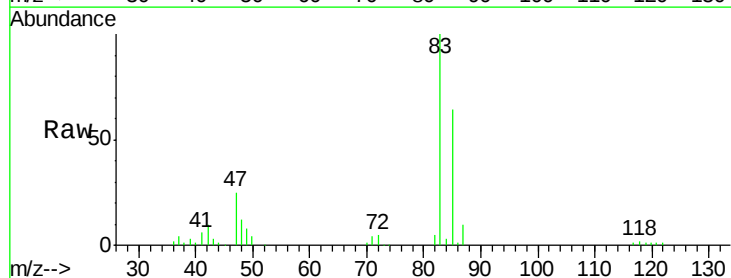
Manual Integrations
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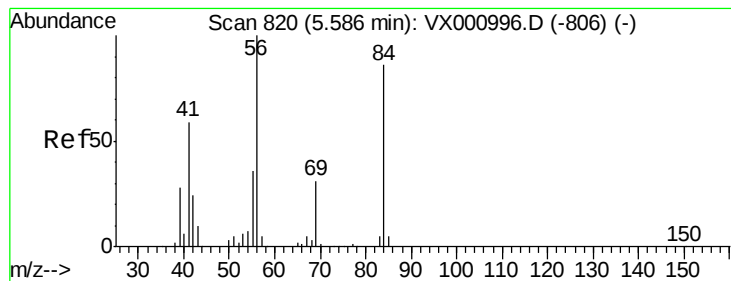
MMDadoda
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#30
Chloroform
Concen: 19.79 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.3	76.9





#31

Cyclohexane

Concen: 19.17 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

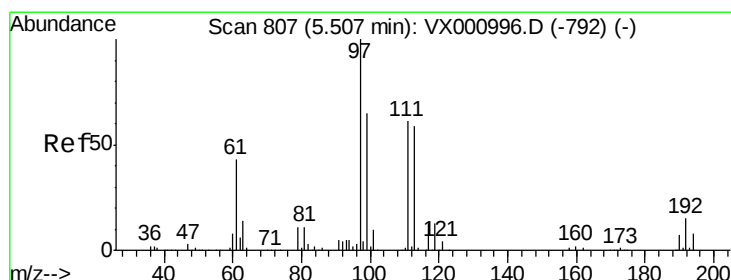
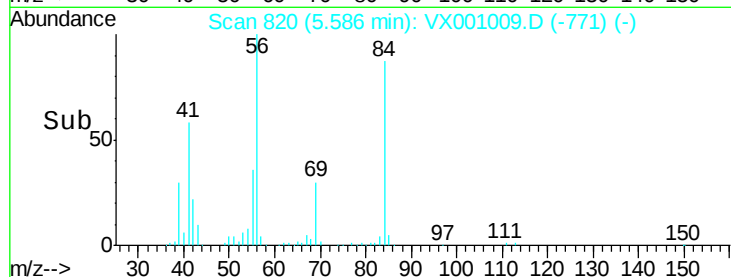
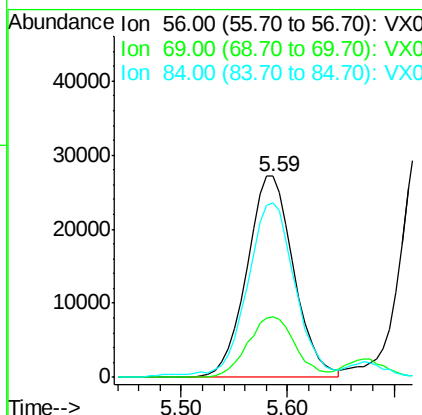
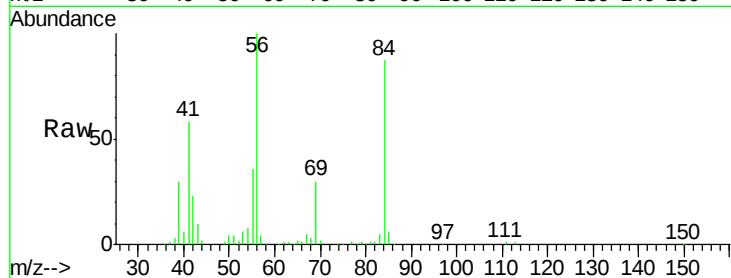
ClientSampleId :

VX0420MBS01

Tgt Ion:	56	Resp:	83649
Ion Ratio	Lower	Upper	
56	100		
69	30.2	24.6	36.8
84	84.8	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.82 ug/l

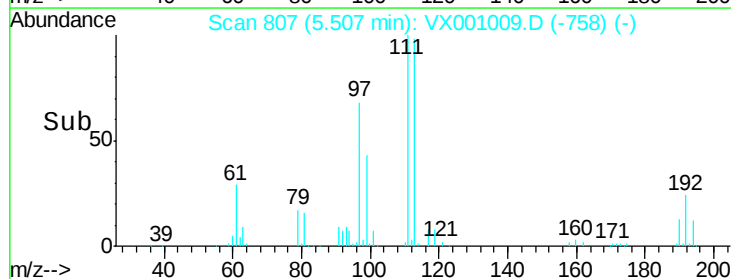
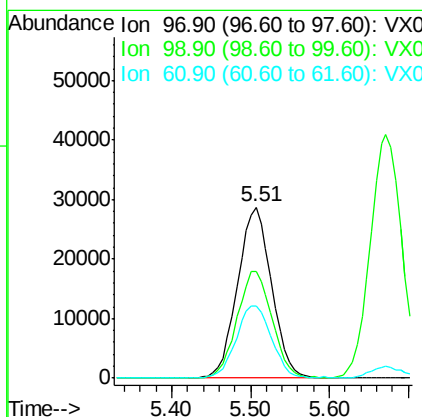
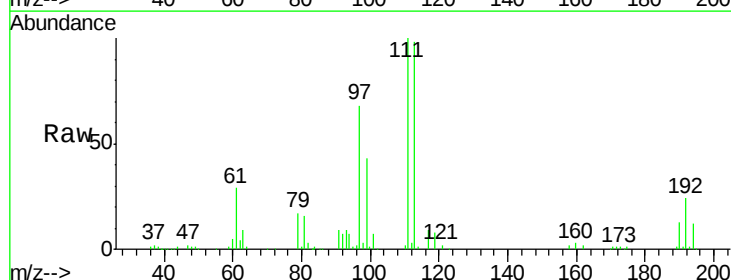
RT: 5.51 min Scan# 807

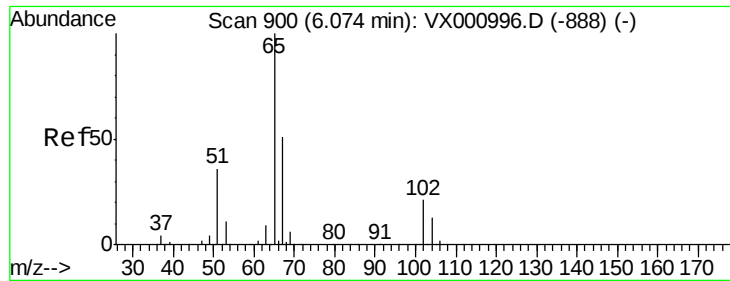
Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion:	97	Resp:	86041
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.1	76.7
61	44.2	34.4	51.6





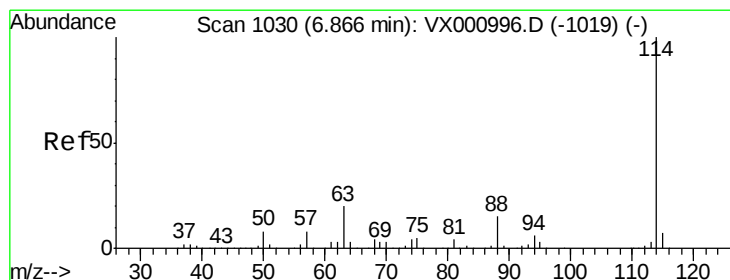
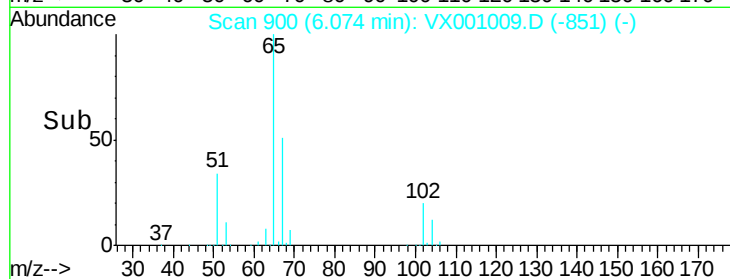
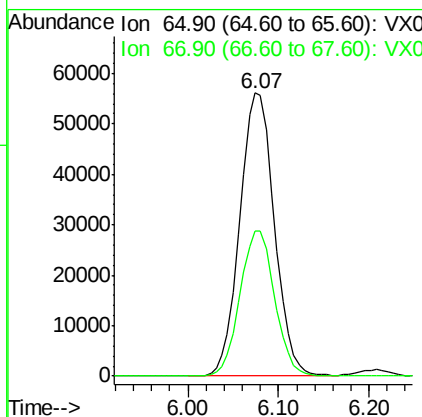
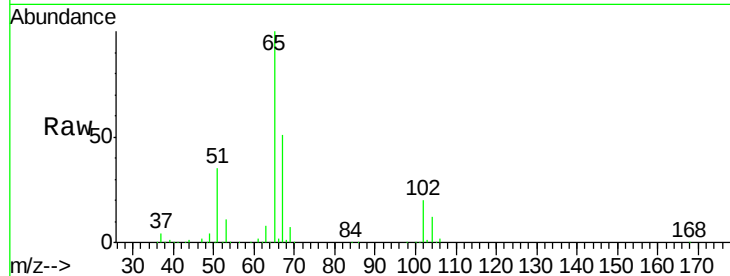
#33
 1,2-Dichloroethane-d4
 Concen: 47.93 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	148363		
67	51.3	0.0	102.6	

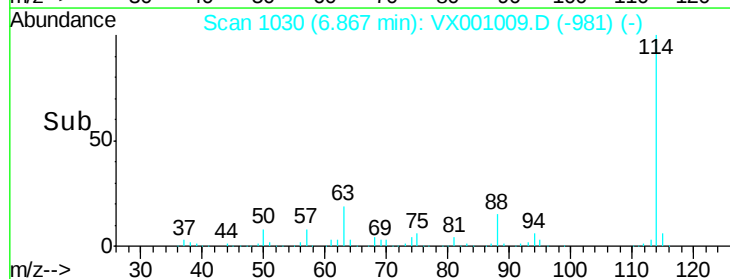
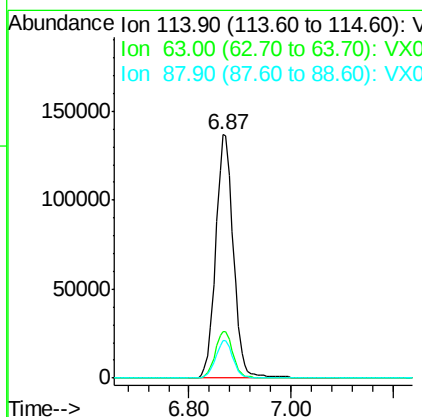
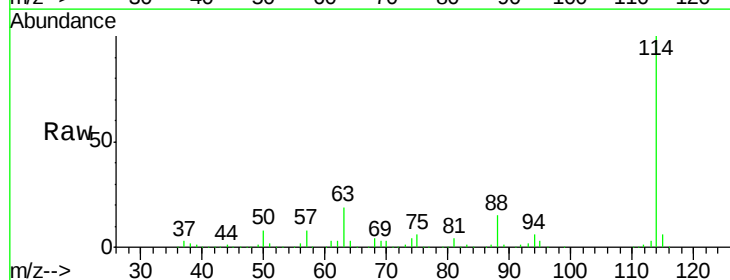
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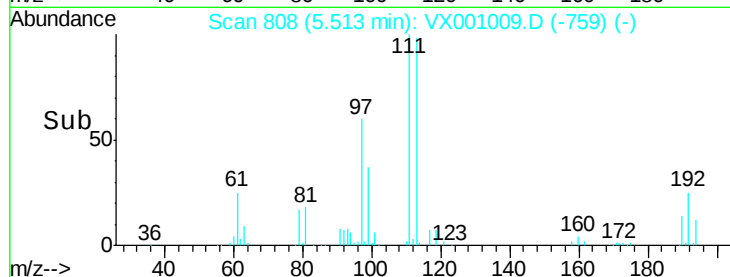
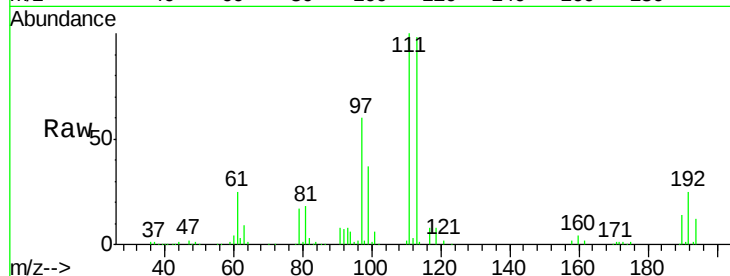
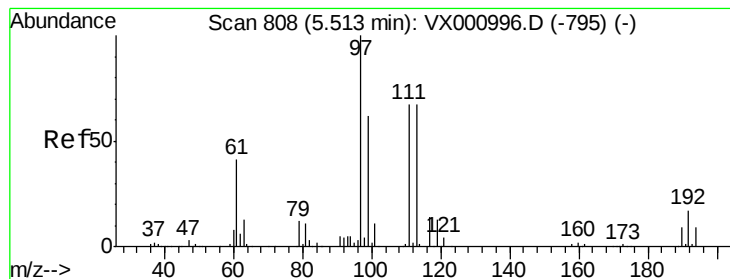
MMDadoda
 4/23/2018 1:27:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	331116		
63	19.2	0.0	39.4	
88	15.3	0.0	29.8	





#35

Dibromofluoromethane

Concen: 47.82 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001009.D

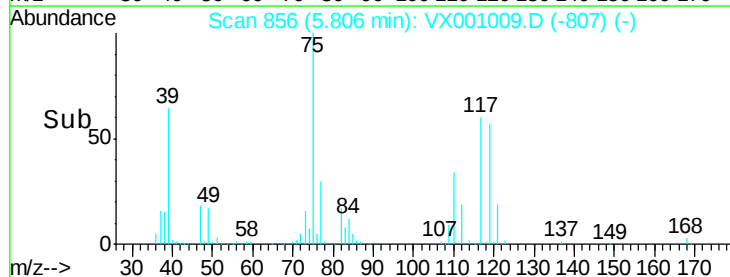
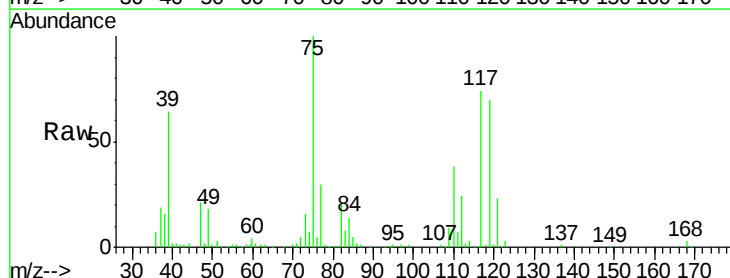
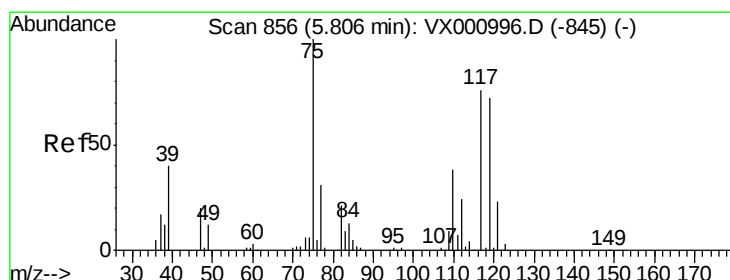
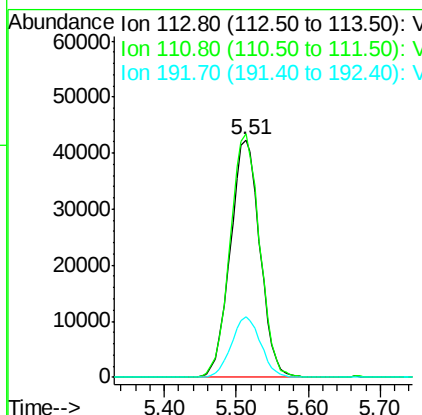
Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	120739		
111	102.6	81.4	122.2	
192	25.3	20.4	30.6	

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

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#36

1,1-Dichloropropene

Concen: 18.84 ug/l

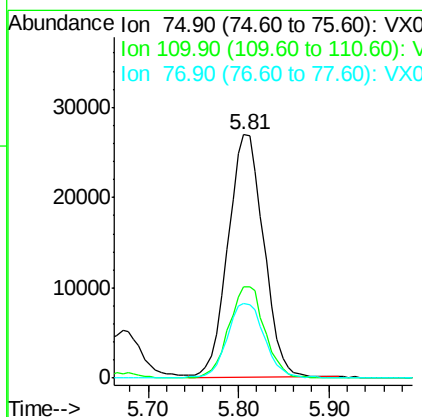
RT: 5.81 min Scan# 856

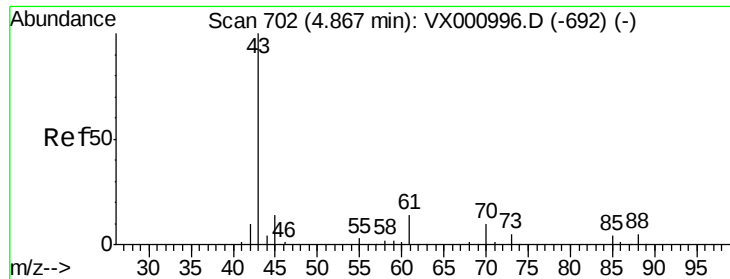
Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73314		
110	37.8	18.7	56.1	
77	31.5	25.0	37.4	





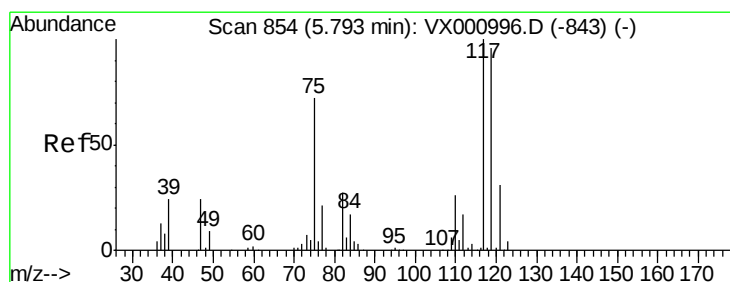
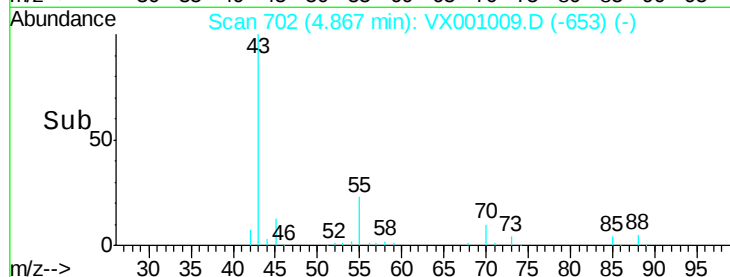
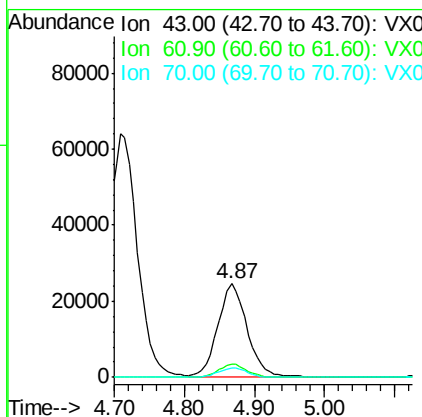
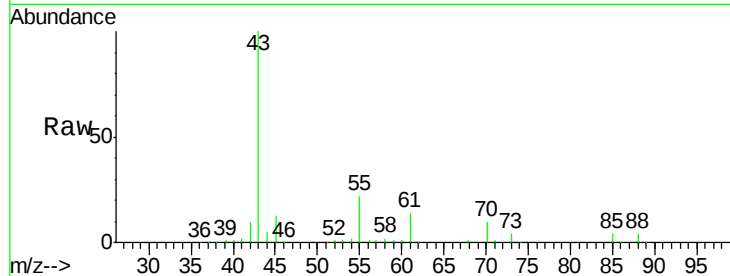
#37
Ethyl Acetate
Concen: 19.95 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion: 43 Resp: 71211
Ion Ratio Lower Upper
43 100
61 13.2 10.7 16.1
70 10.0 8.3 12.5

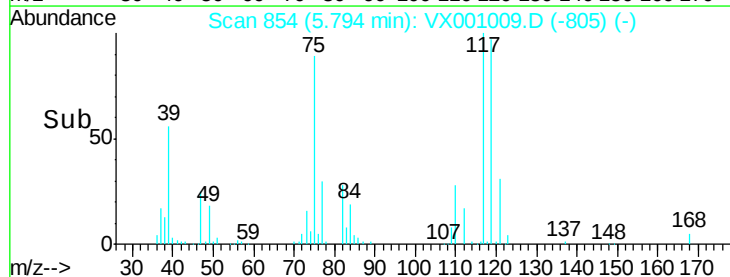
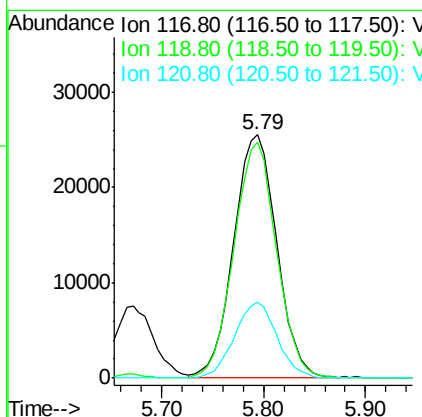
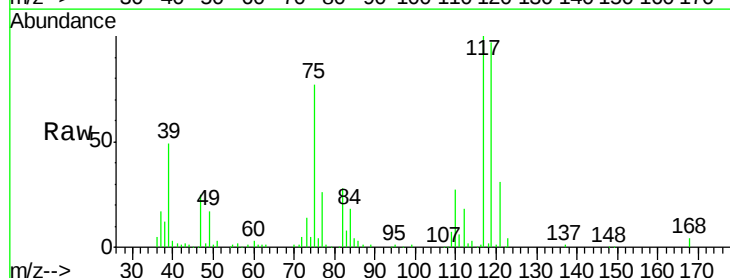
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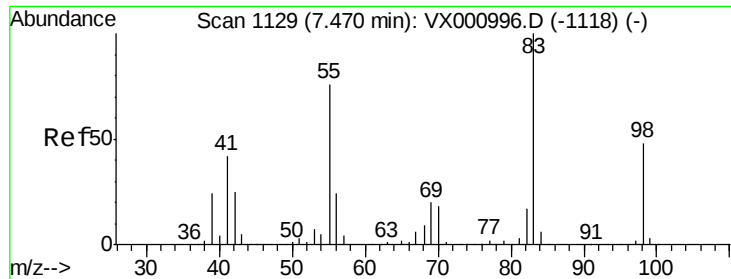
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#38
Carbon Tetrachloride
Concen: 18.90 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 117 Resp: 74466
Ion Ratio Lower Upper
117 100
119 97.2 76.5 114.7
121 31.3 24.5 36.7





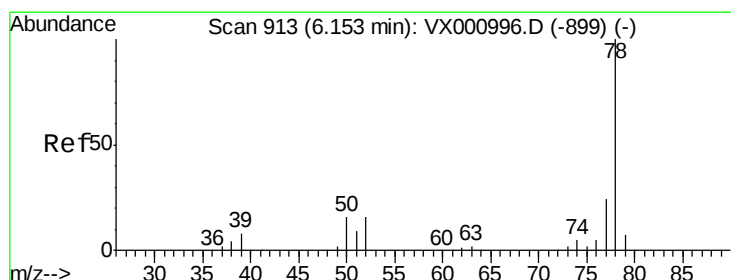
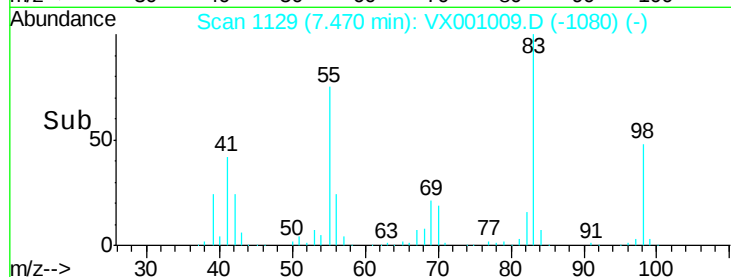
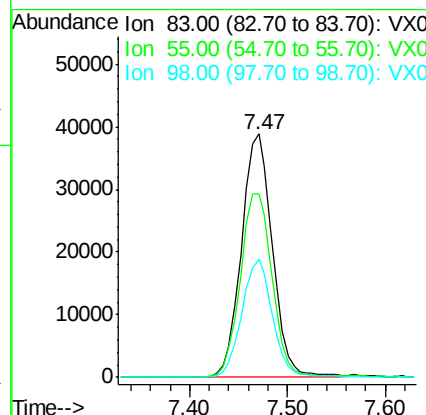
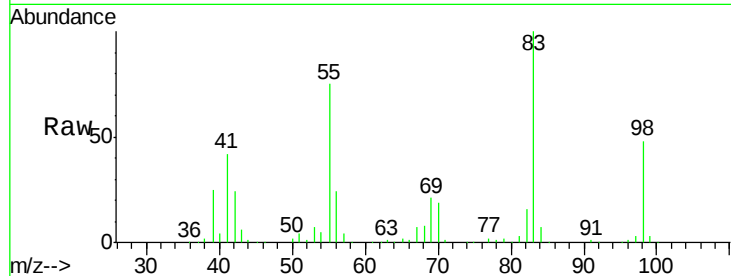
#39
Methylcyclohexane
Concen: 18.79 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.6	91.0
98	48.5	38.2	57.4

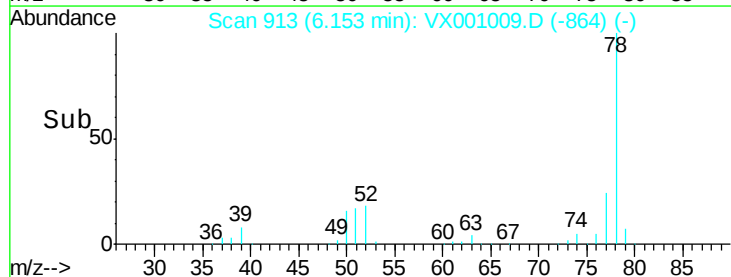
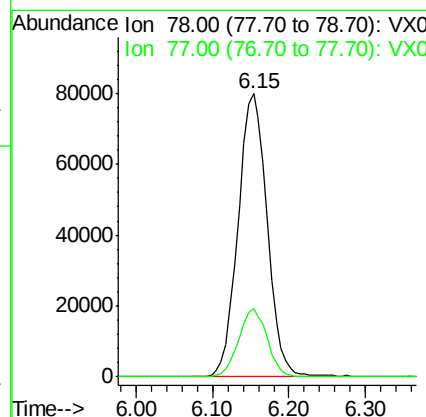
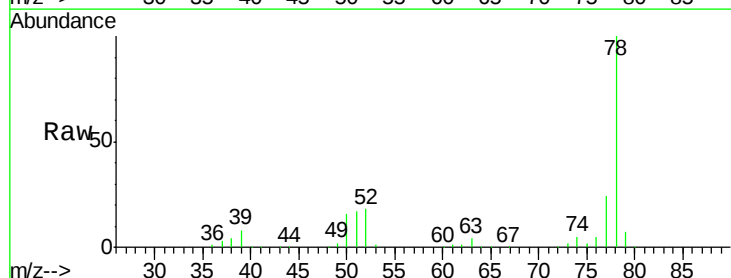
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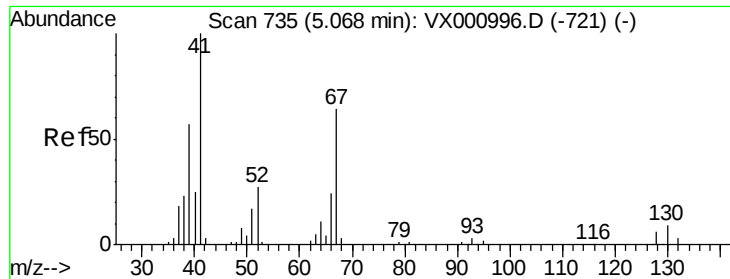
MMDadoda
4/23/2018 1:27:40 PM



#40
Benzene
Concen: 19.50 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.9	28.3





#41

Methacrylonitrile

Concen: 18.62 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

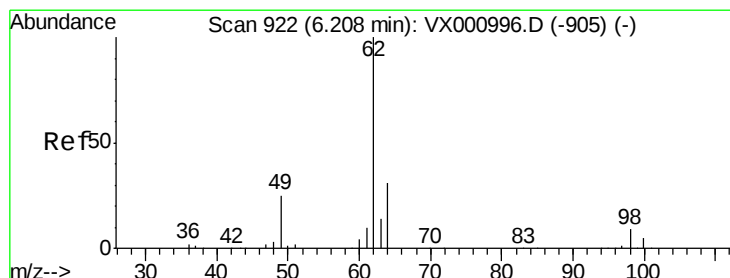
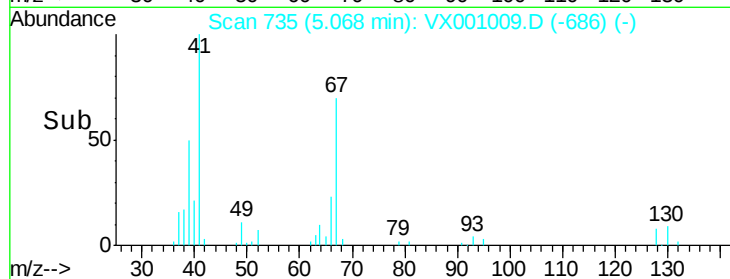
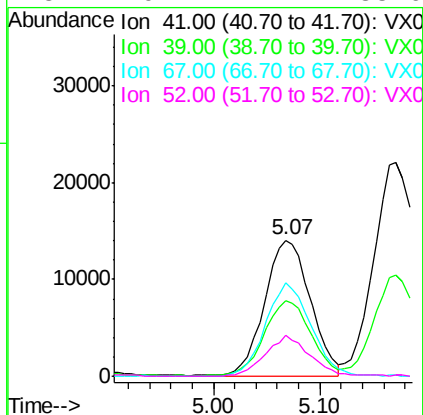
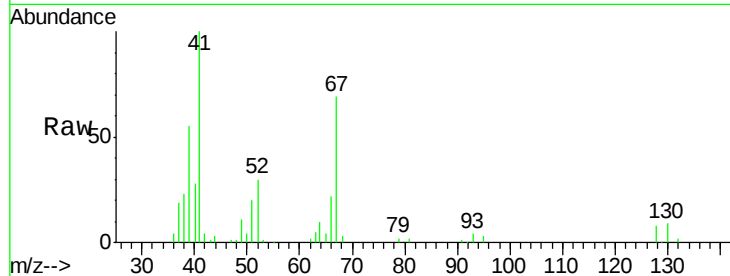
ClientSampleId :

VX0420MBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	45.2	67.8	
67	68.9	53.8	80.8	
52	29.4	22.4	33.6	

Manual Integrations
APPROVED

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4/23/2018 1:27:40 PM



#42

1,2-Dichloroethane

Concen: 19.50 ug/l

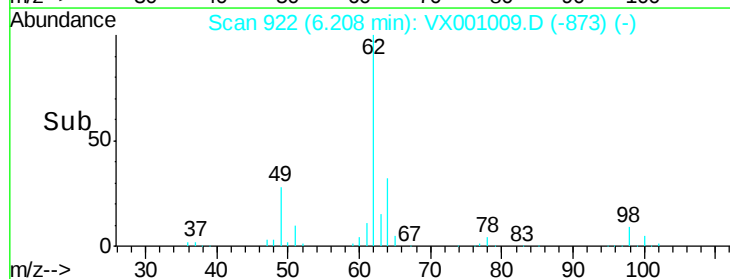
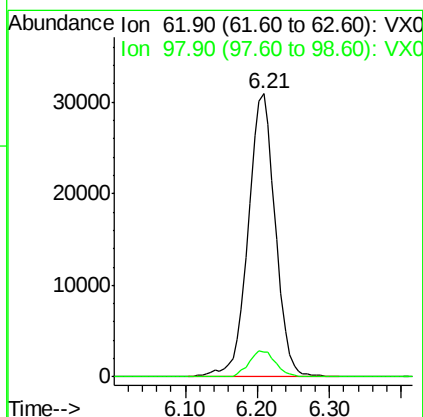
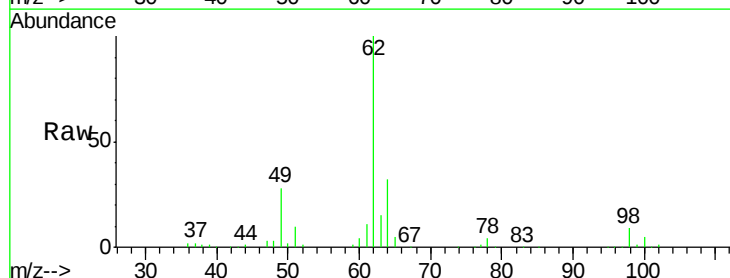
RT: 6.21 min Scan# 922

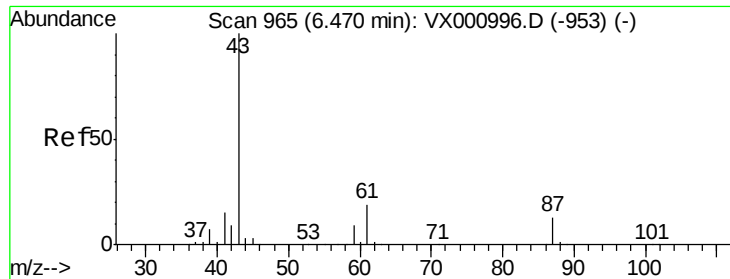
Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	17.6	





#43

Isopropyl Acetate

Concen: 19.47 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

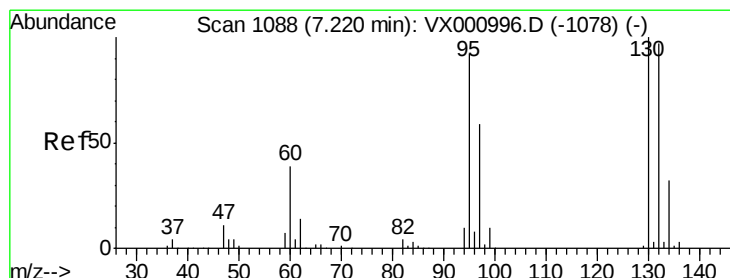
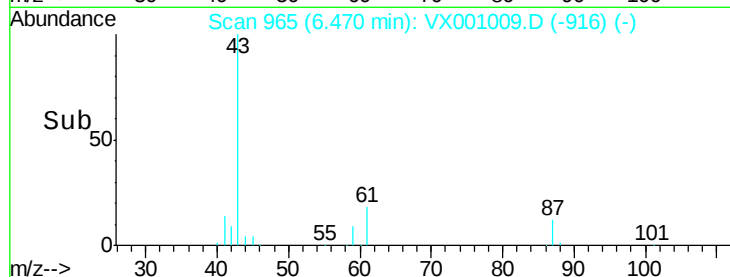
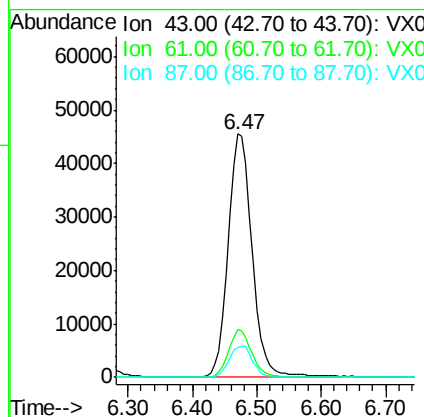
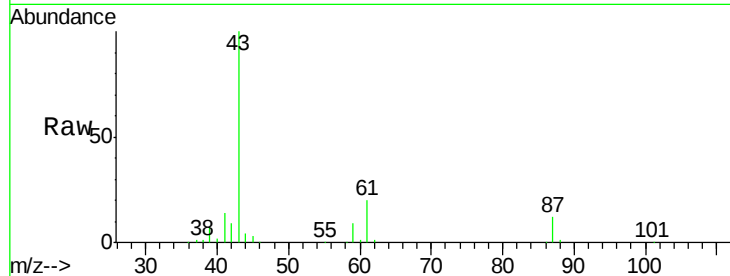
ClientSampleId :

VX0420MBS01

Tgt Ion:	43	Resp:	119222
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.2
87	12.8	10.6	15.8

Manual Integrations
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#44

Trichloroethene

Concen: 19.33 ug/l

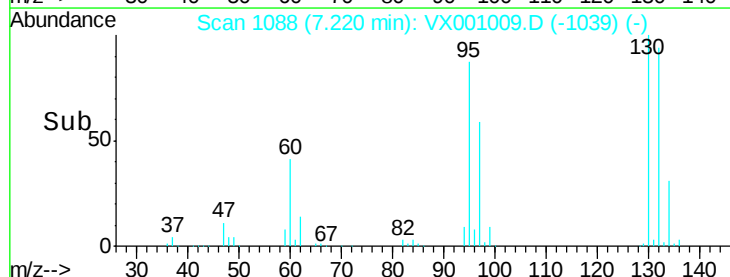
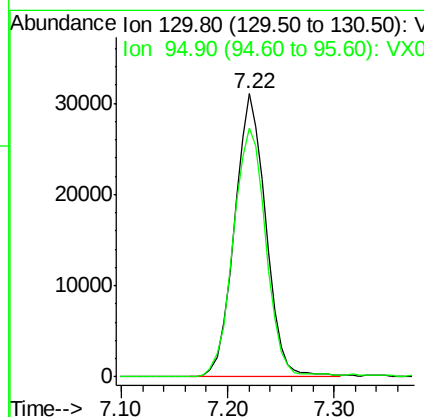
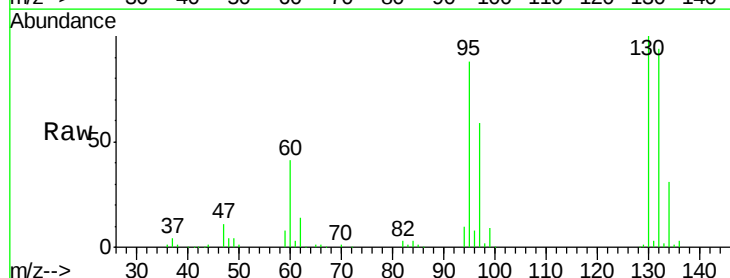
RT: 7.22 min Scan# 1088

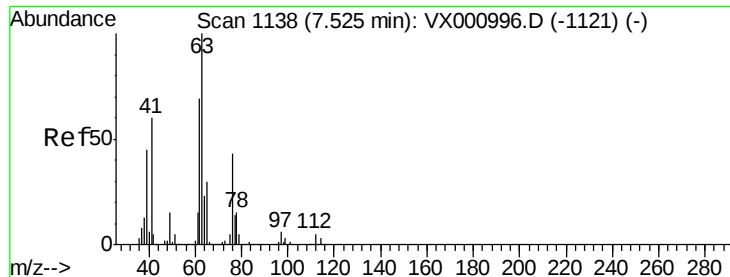
Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion:	130	Resp:	63897
Ion	Ratio	Lower	Upper
130	100		
95	87.7	0.0	184.2





#45

1,2-Dichloropropane

Concen: 19.76 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 63 Resp: 53738

Ion Ratio Lower Upper

63 100

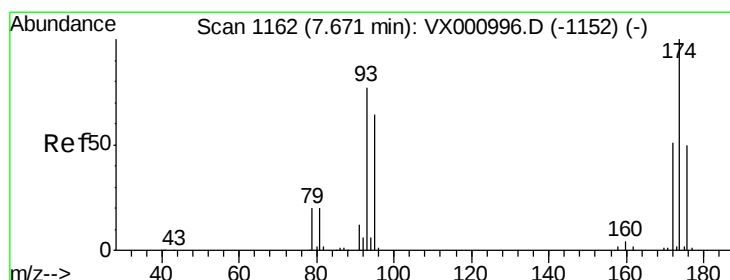
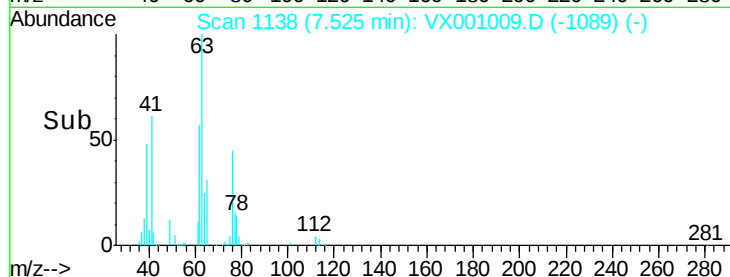
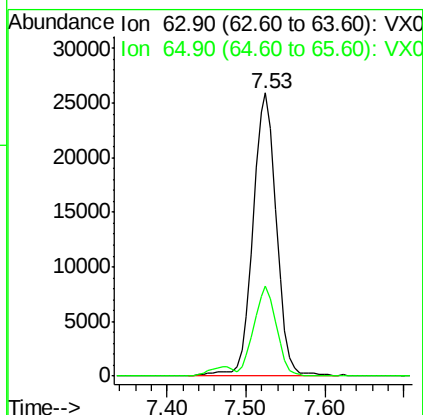
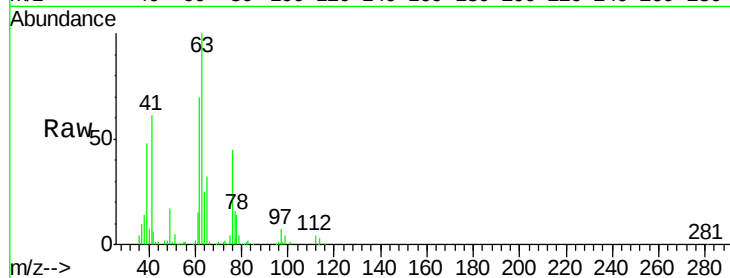
65 31.7 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 19.41 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

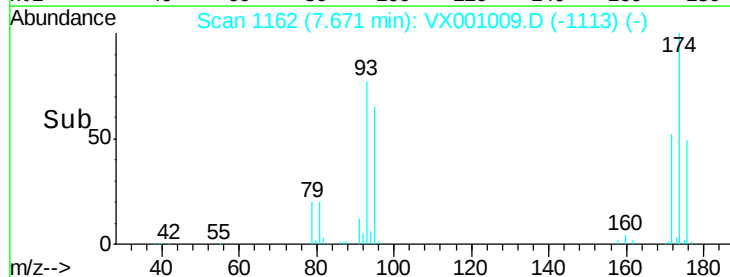
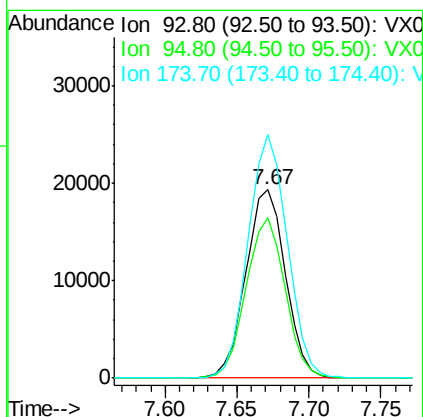
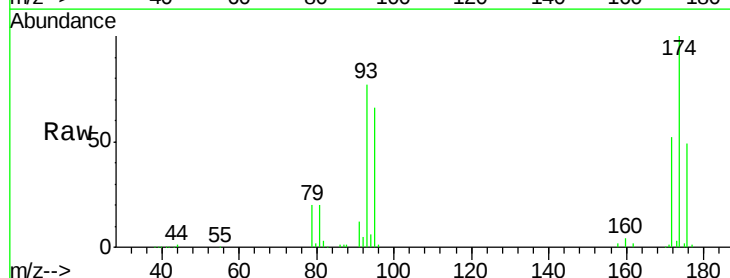
Tgt Ion: 93 Resp: 36886

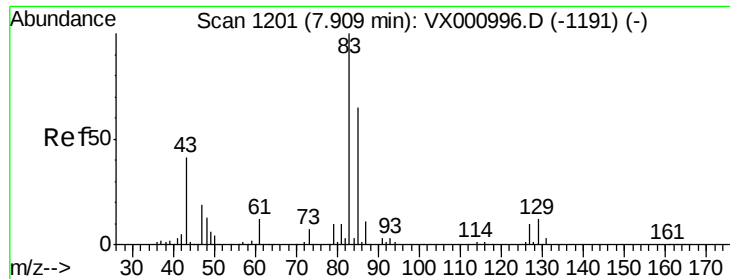
Ion Ratio Lower Upper

93 100

95 83.6 66.7 100.1

174 127.9 101.8 152.6





#47

Bromodichloromethane

Concen: 19.43 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

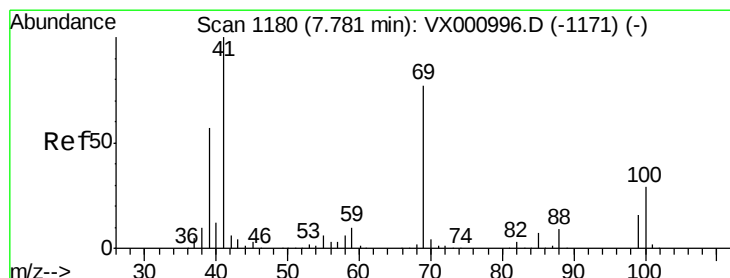
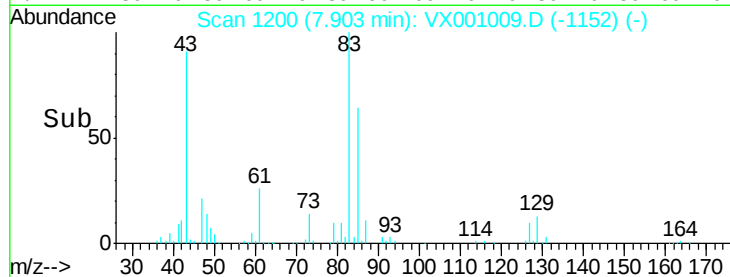
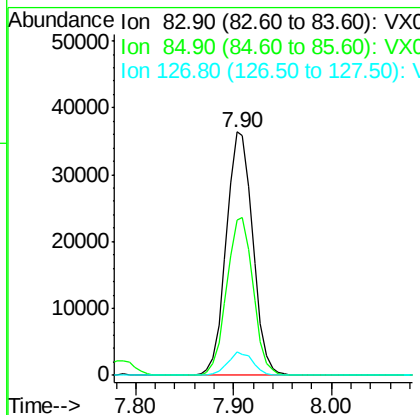
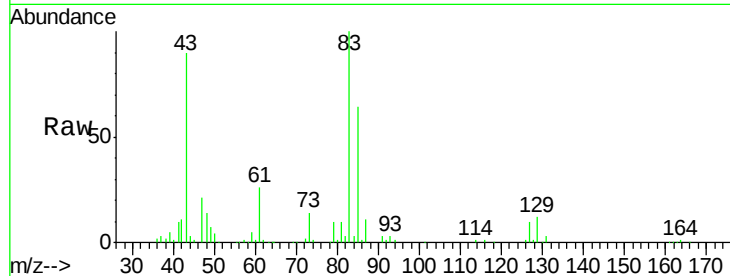
ClientSampleId :

VX0420MBS01

Tgt Ion:	83	Resp:	68423
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.3	78.5
127	9.6	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.35 ug/l

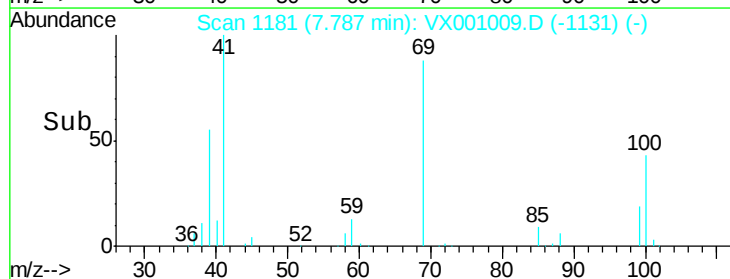
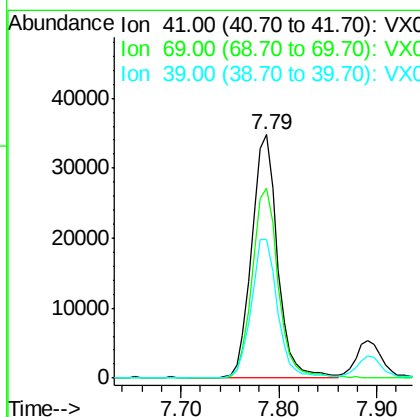
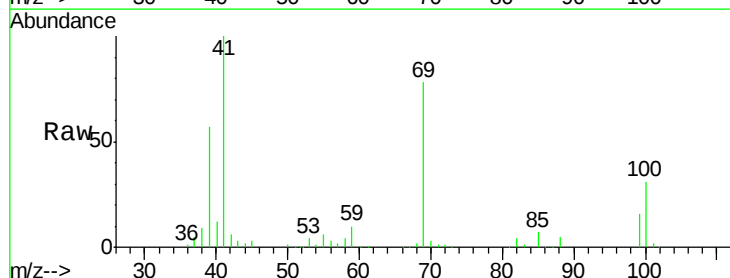
RT: 7.79 min Scan# 1181

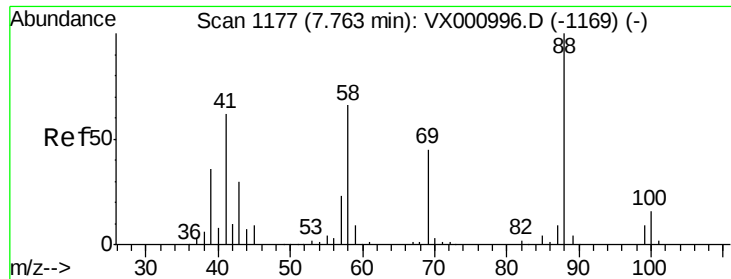
Delta R.T. 0.01 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion:	41	Resp:	63789
Ion	Ratio	Lower	Upper
41	100		
69	79.6	62.6	94.0
39	58.6	45.3	67.9





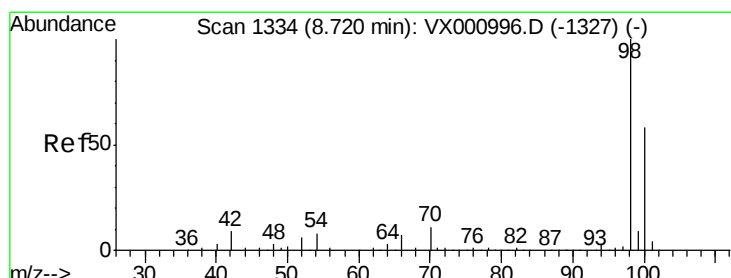
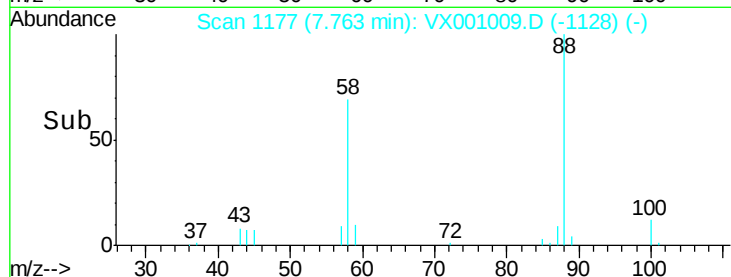
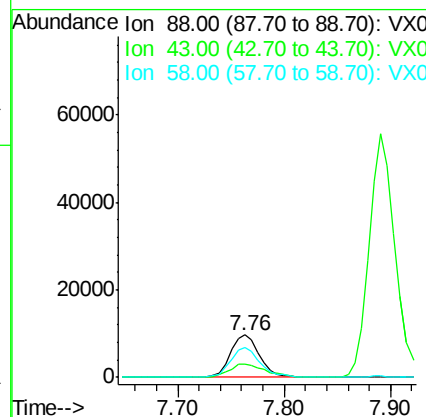
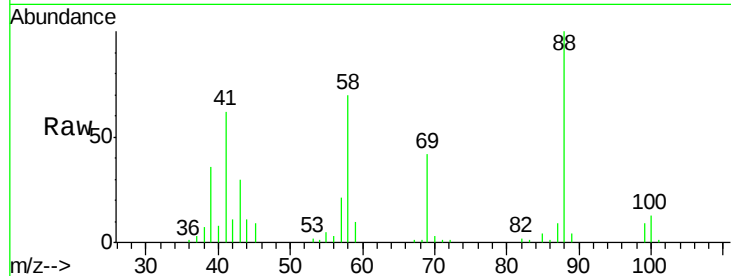
#49
1,4-Dioxane
Concen: 385.47 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.4	29.2	43.8
58	72.0	55.0	82.6

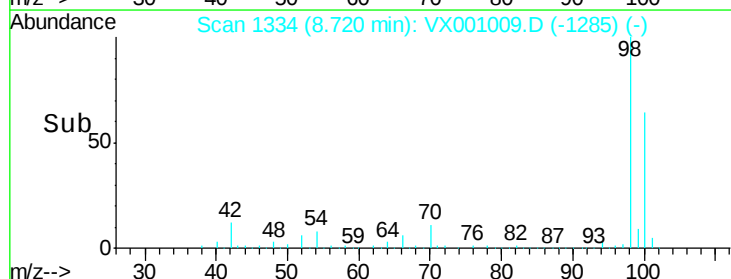
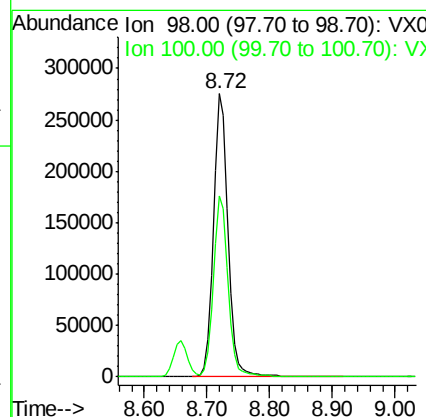
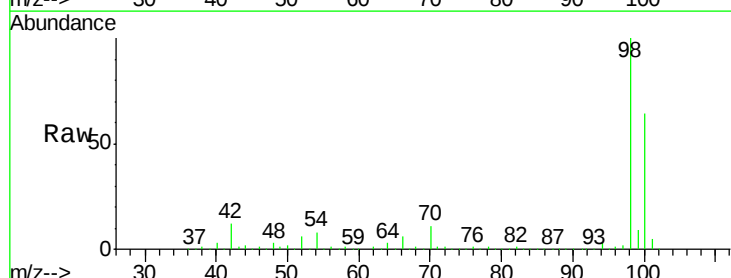
Manual Integrations
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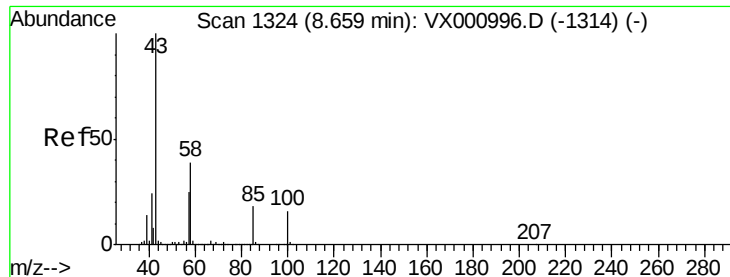
MMDadoda
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#50
Toluene-d8
Concen: 47.23 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9





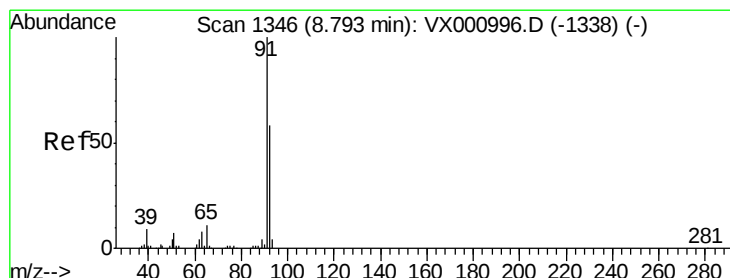
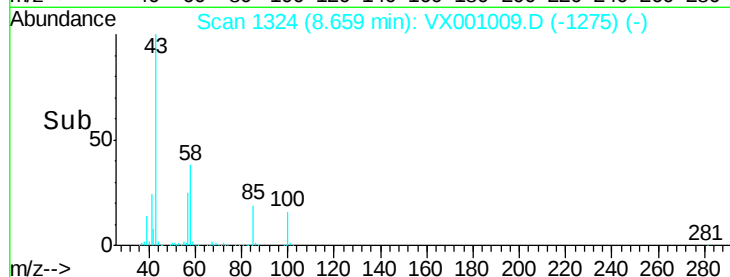
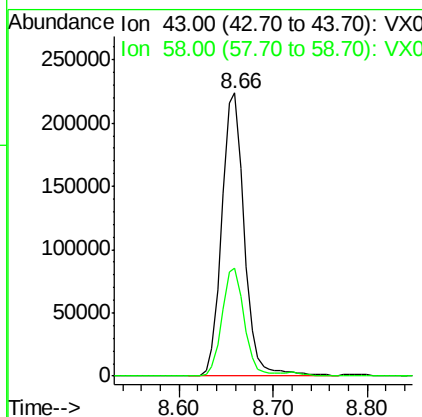
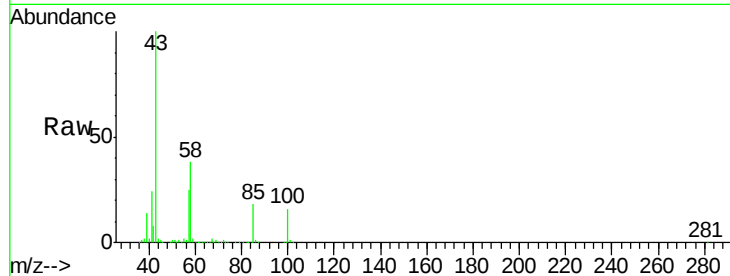
#51
 4-Methyl-2-Pentanone
 Concen: 100.09 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBS01

Tgt Ion: 43 Resp: 372148
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.2 45.4

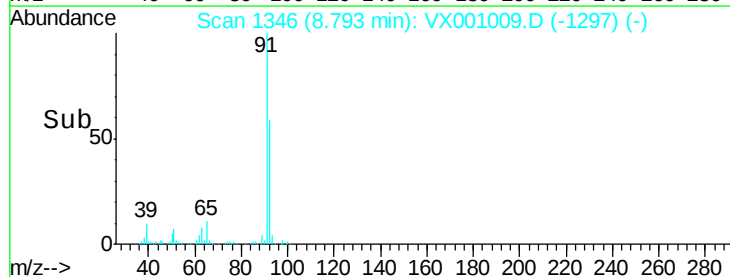
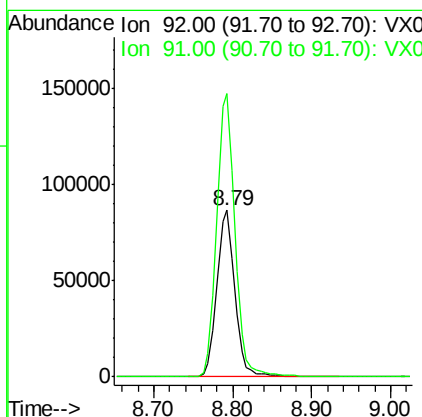
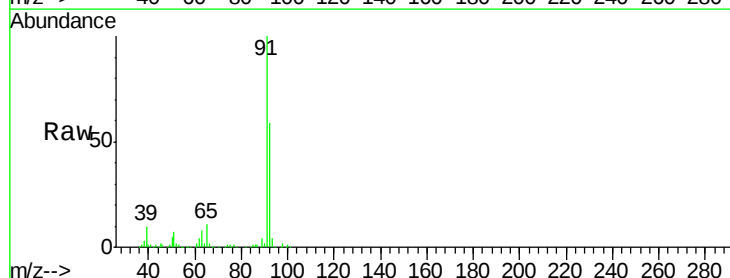
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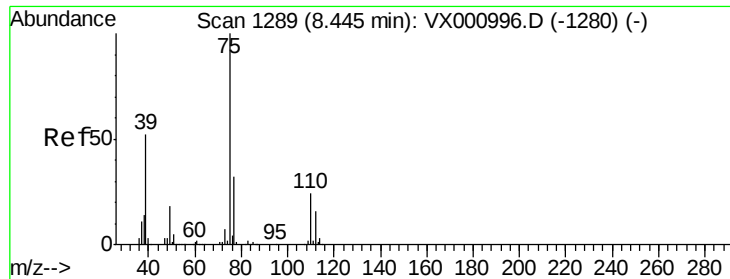
MMDadoda
 4/23/2018 1:27:40 PM



#52
 Toluene
 Concen: 19.67 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion: 92 Resp: 138867
 Ion Ratio Lower Upper
 92 100
 91 172.6 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 19.57 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 75 Resp: 82417

Ion Ratio Lower Upper

75 100

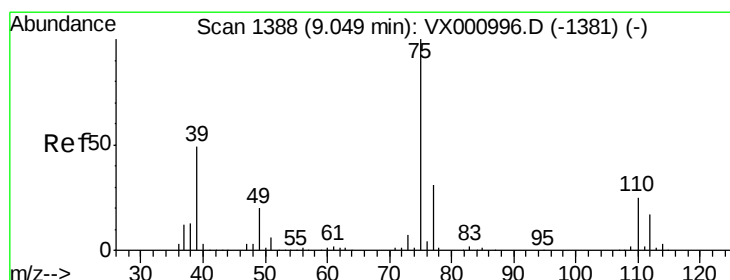
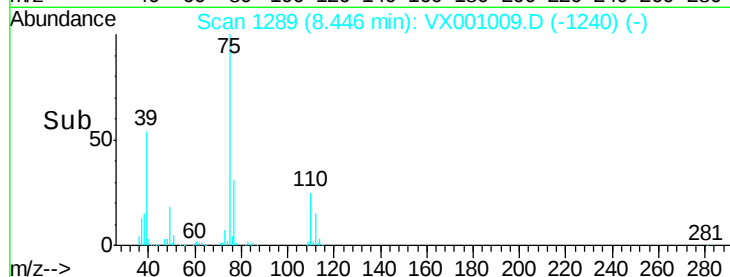
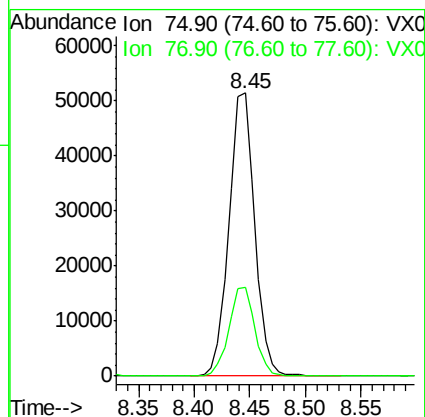
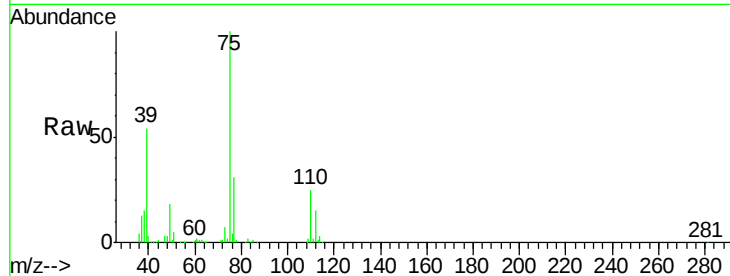
77 31.3 25.8 38.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.52 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

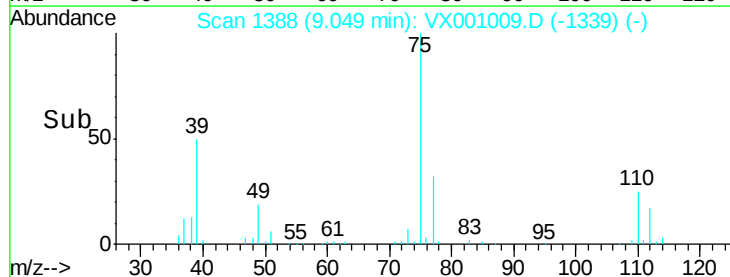
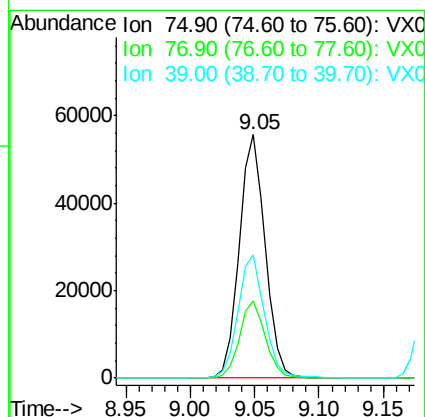
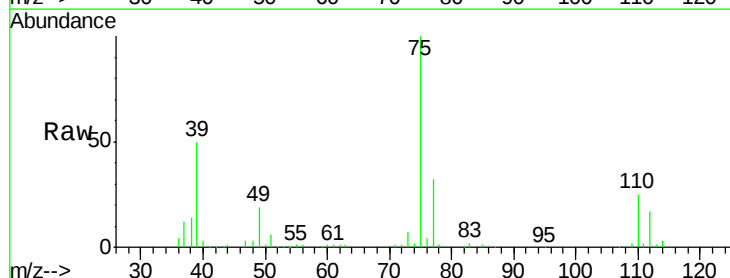
Tgt Ion: 75 Resp: 77514

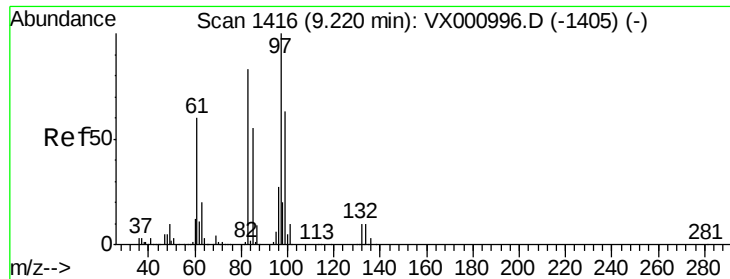
Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.6

39 50.3 39.2 58.8





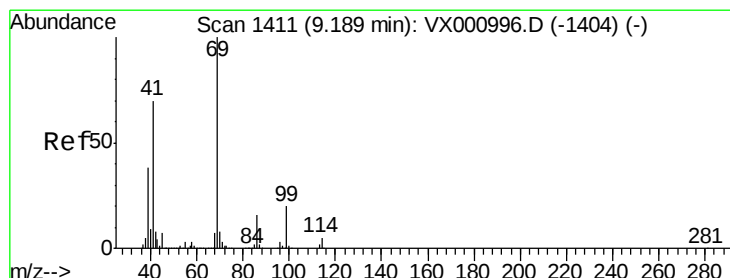
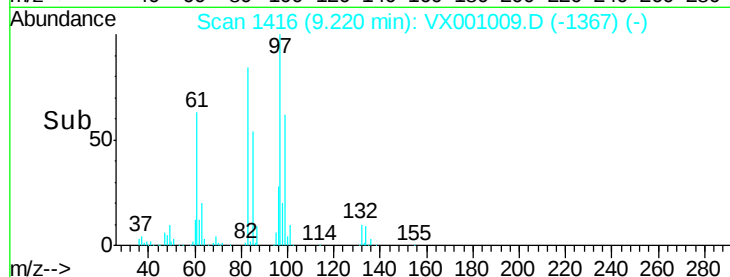
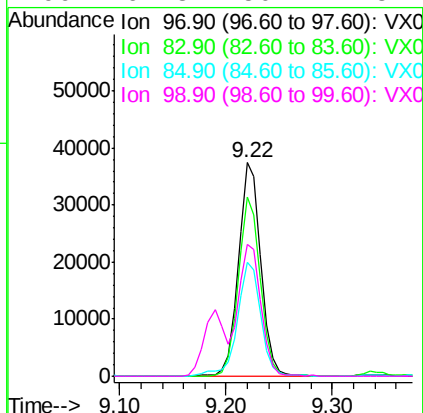
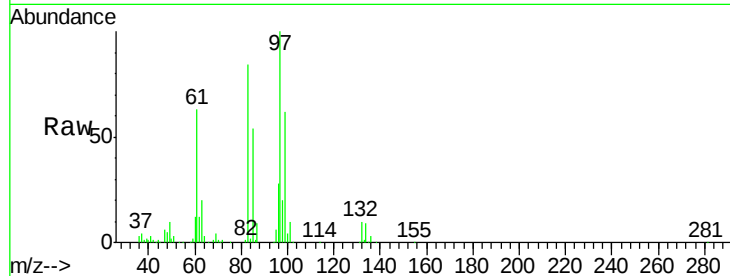
#55
 1,1,2-Trichloroethane
 Concen: 19.64 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	55126		
83	84.2	66.2	99.4	
85	53.5	44.2	66.4	
99	61.8	50.2	75.4	

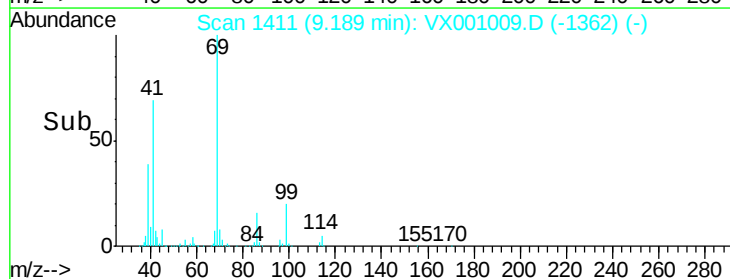
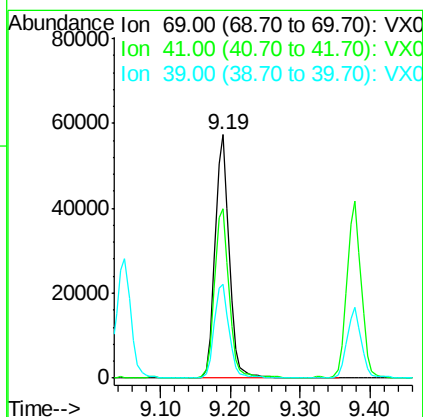
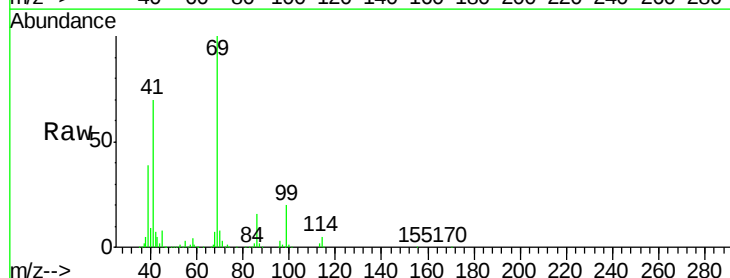
Manual Integrations
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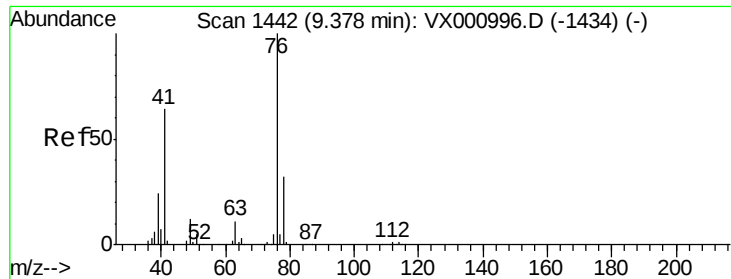
MMDadoda
 4/23/2018 1:27:40 PM



#56
 Ethyl methacrylate
 Concen: 19.67 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	81063		
41	72.0	56.3	84.5	
39	39.8	30.4	45.6	





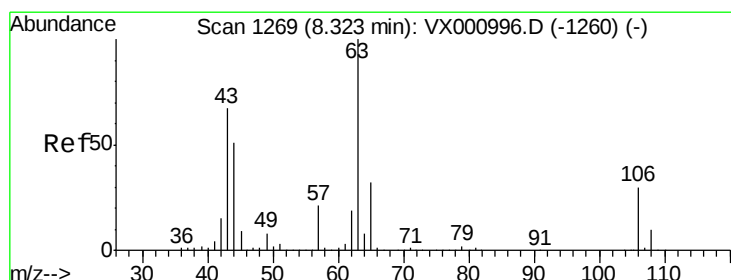
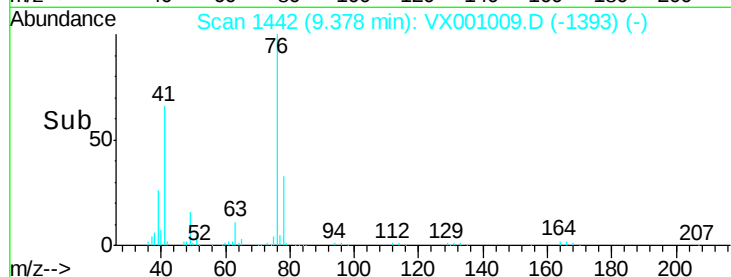
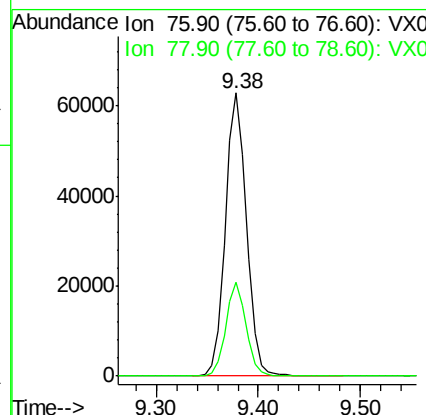
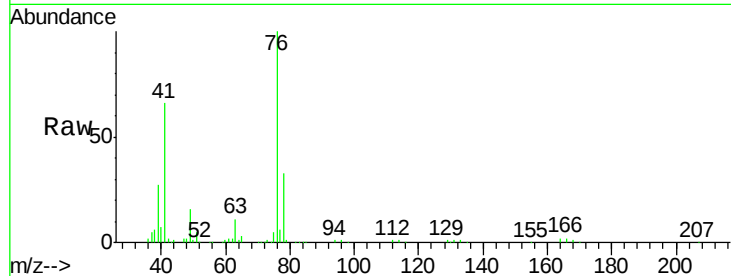
#57
 1,3-Dichloropropane
 Concen: 19.45 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBS01

Tgt Ion: 76 Resp: 90412
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

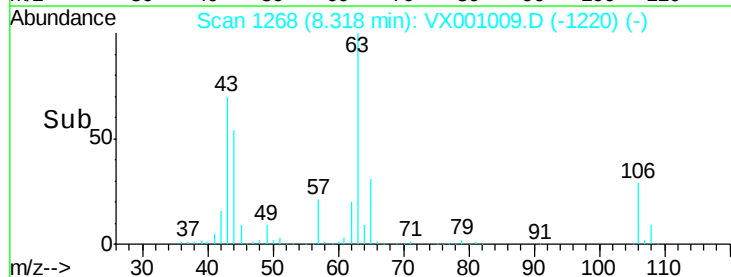
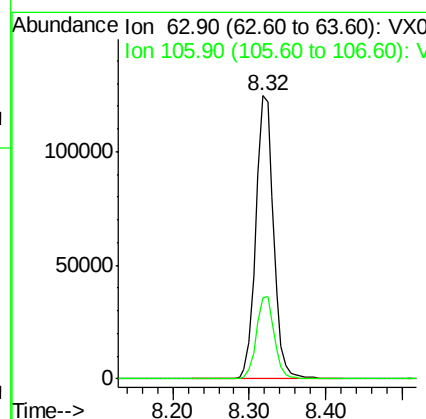
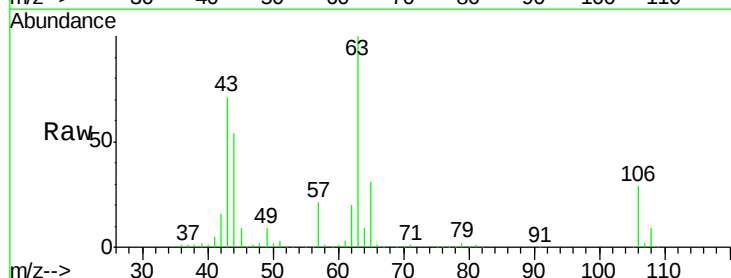
Manual Integrations
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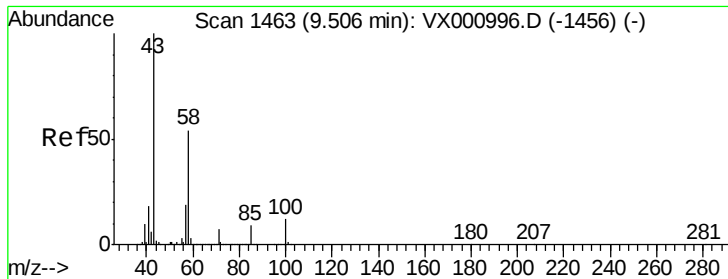
MMDadoda
 4/23/2018 1:27:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.57 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion: 63 Resp: 202314
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.8 35.6





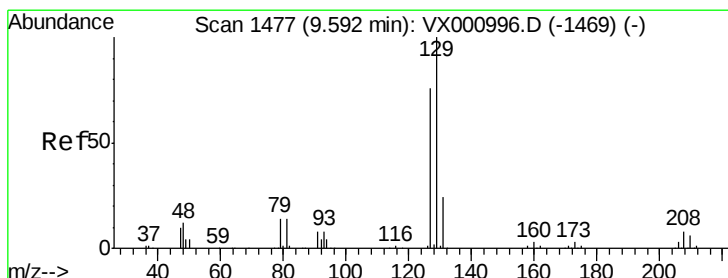
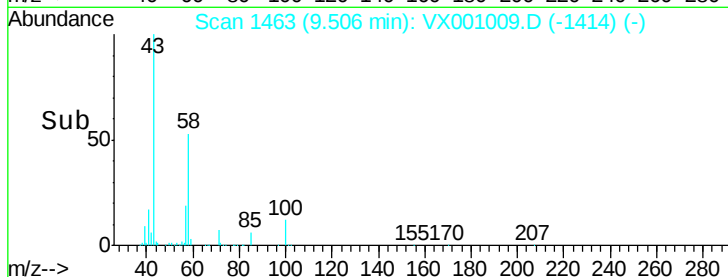
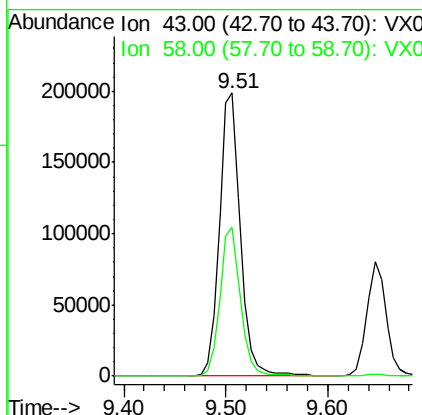
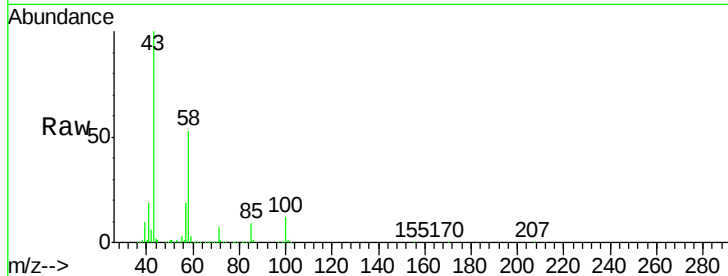
#59
2-Hexanone
Concen: 100.10 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion: 43 Resp: 284886
Ion Ratio Lower Upper
43 100
58 52.0 26.3 78.9

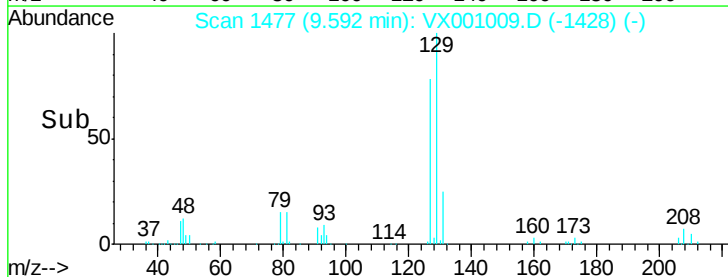
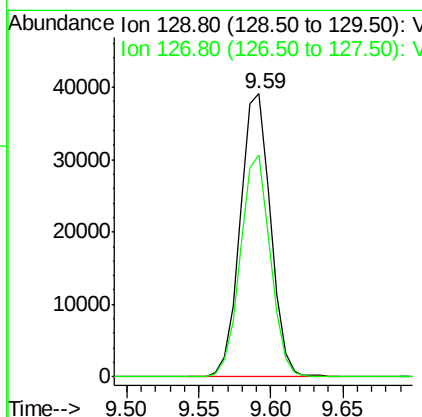
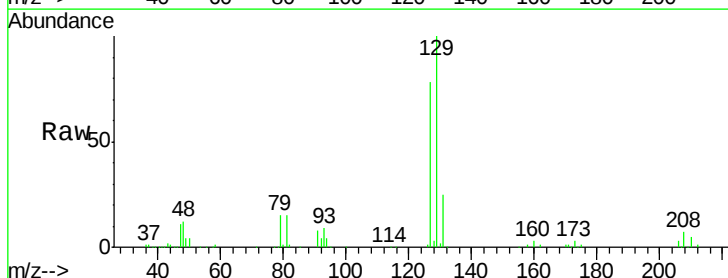
Manual Integrations
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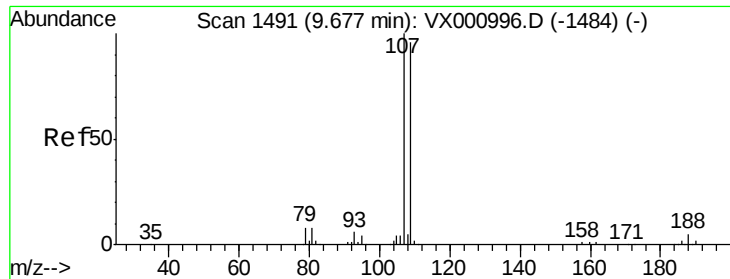
MMDadoda
4/23/2018 1:27:40 PM



#60
Dibromochloromethane
Concen: 19.32 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 129 Resp: 56938
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.68 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 107 Resp: 58287

Ion Ratio Lower Upper

107 100

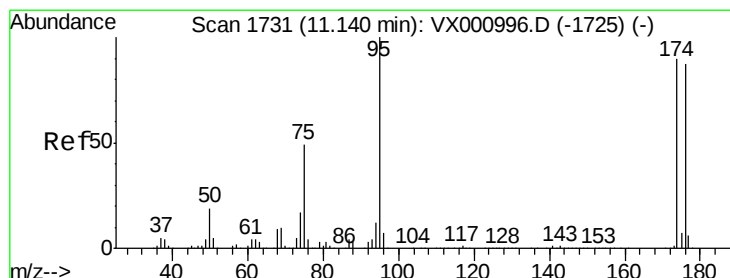
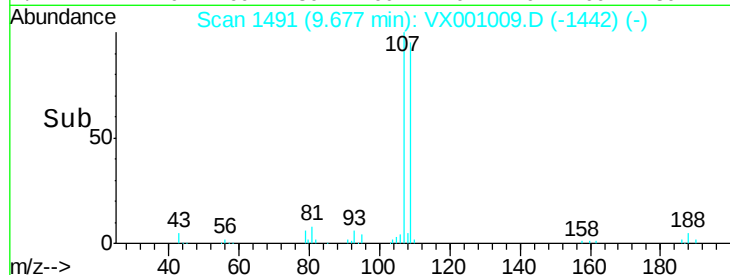
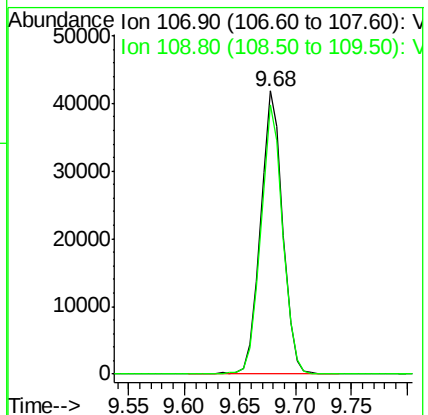
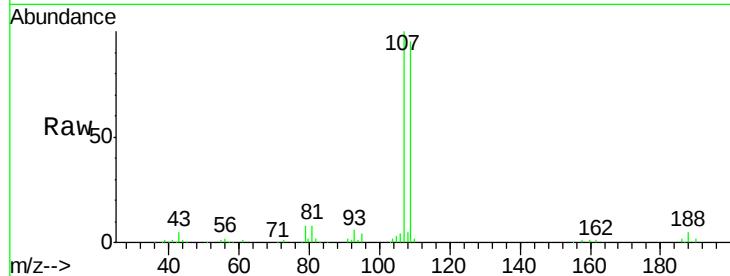
109 94.5 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:40 PM



#62

4-Bromofluorobenzene

Concen: 46.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

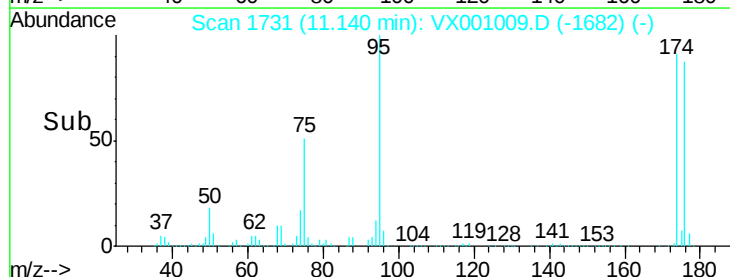
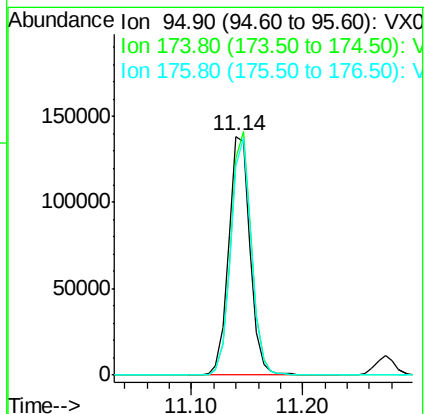
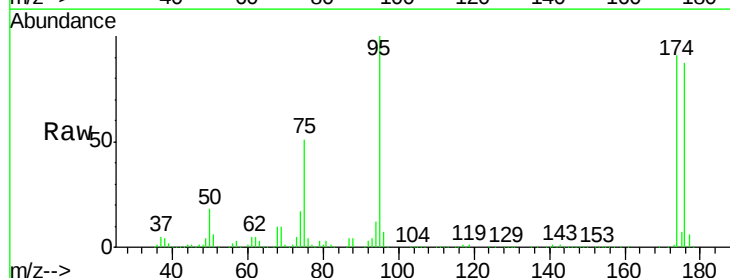
Tgt Ion: 95 Resp: 182855

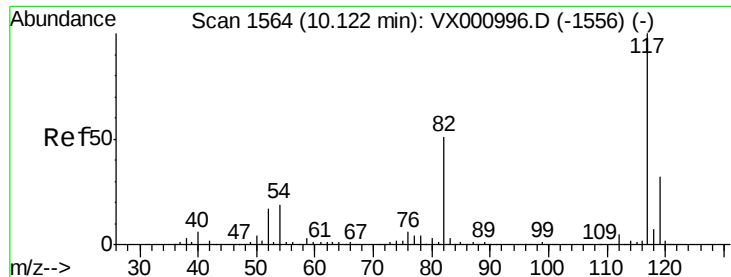
Ion Ratio Lower Upper

95 100

174 98.3 0.0 198.4

176 95.5 0.0 192.0





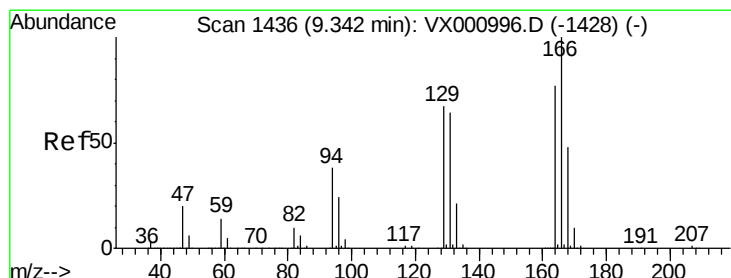
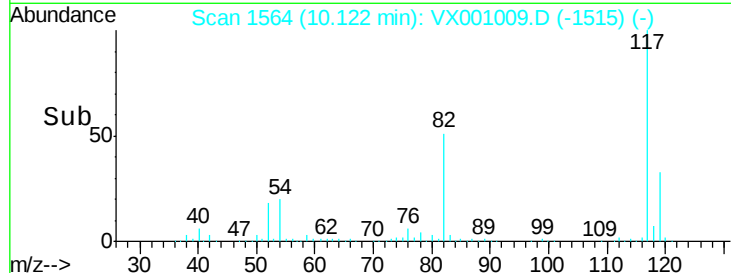
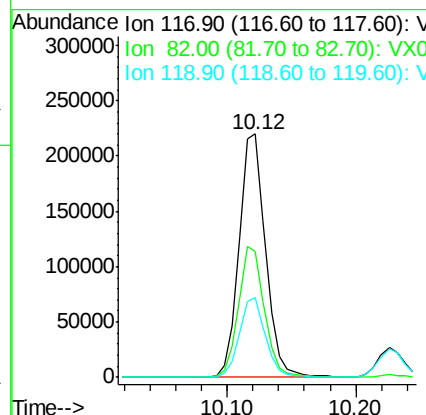
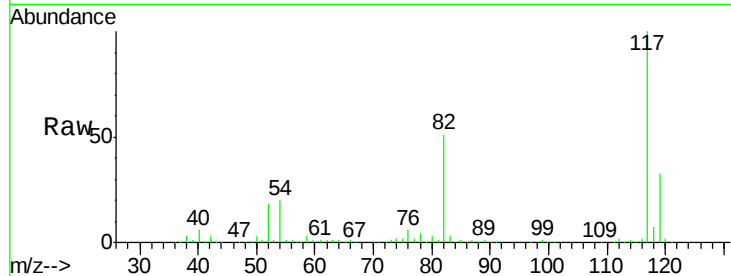
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.4	40.6	60.8
119	32.8	26.0	39.0

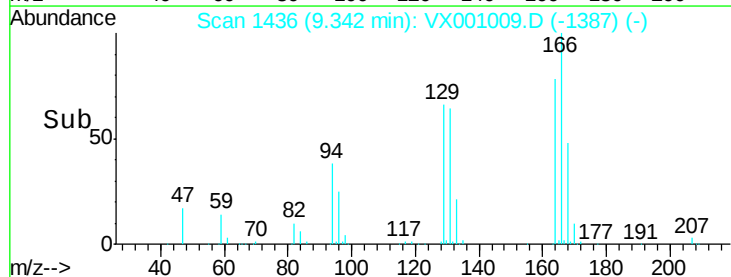
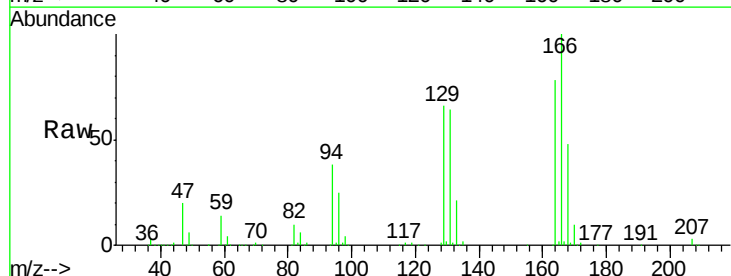
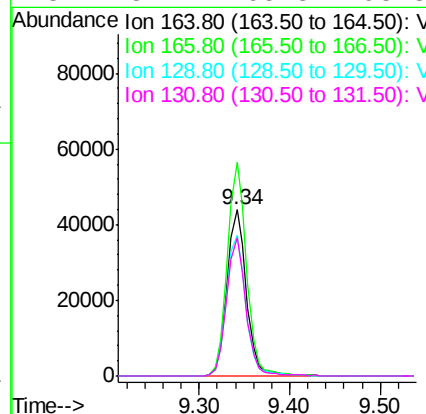
Manual Integrations
APPROVED

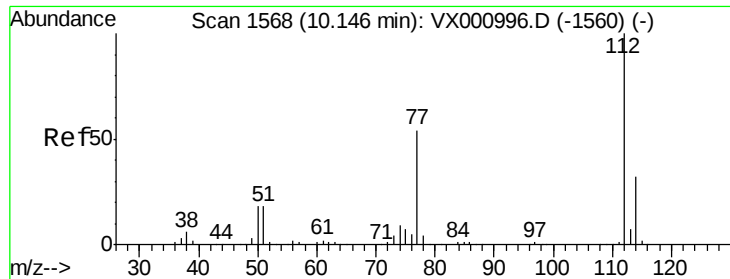
MMDadoda
4/23/2018 1:27:40 PM



#64
Tetrachloroethene
Concen: 19.60 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.5	155.3
129	84.5	69.6	104.4
131	82.7	65.8	98.8





#65

Chlorobenzene

Concen: 19.44 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion:112 Resp: 163351

Ion Ratio Lower Upper

112 100

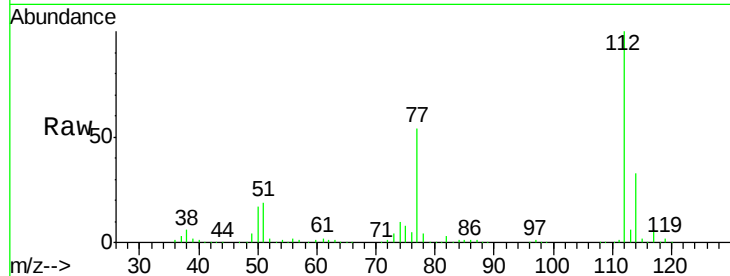
114 32.7 25.5 38.3

Manual Integrations

APPROVED

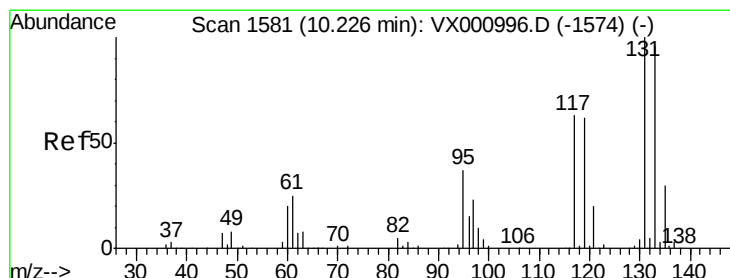
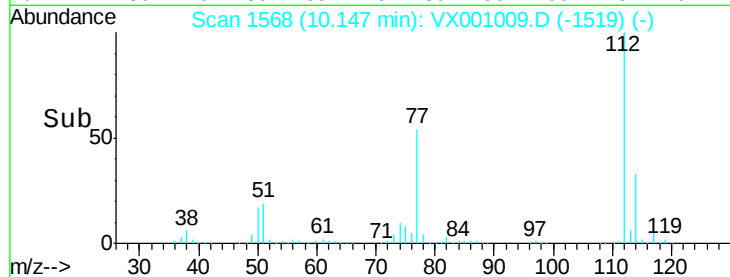
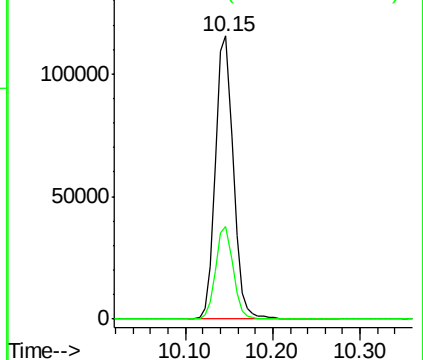
MMDadoda

4/23/2018 1:27:40 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.72 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

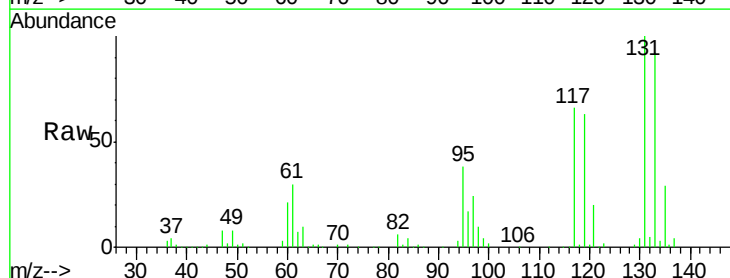
Tgt Ion:131 Resp: 56894

Ion Ratio Lower Upper

131 100

133 95.8 47.6 142.8

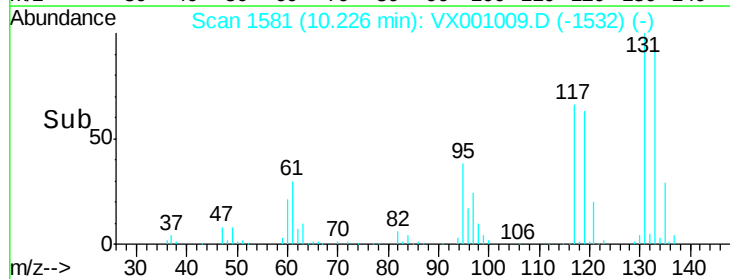
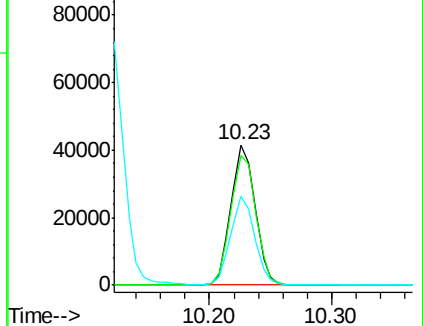
119 62.9 31.1 93.2

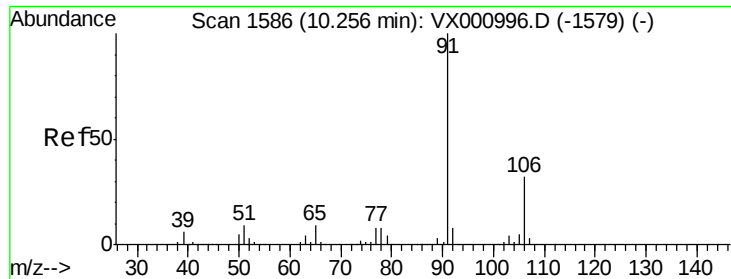


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





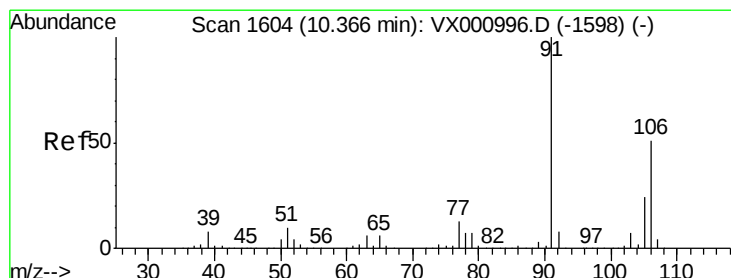
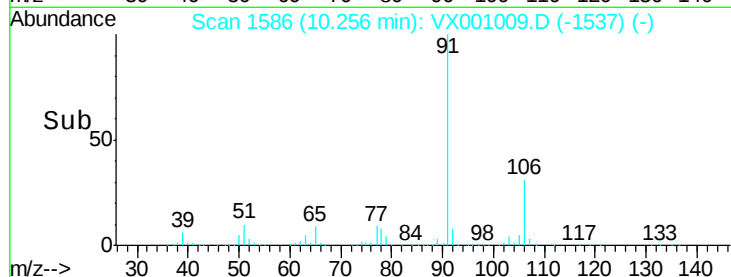
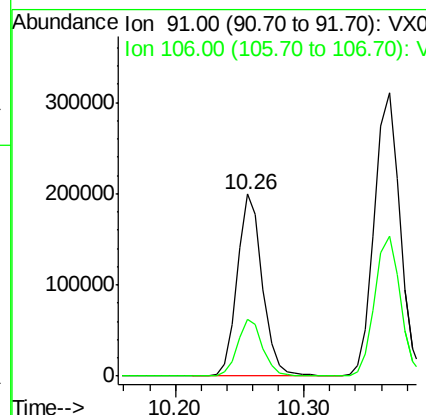
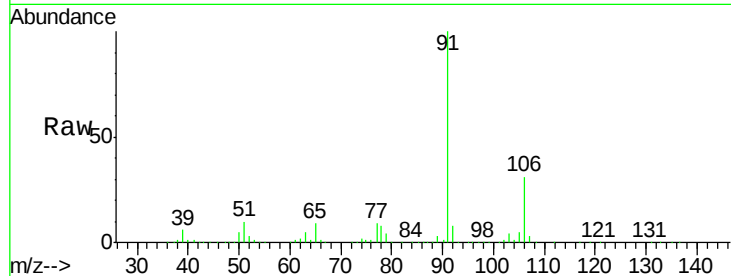
#67
Ethyl Benzene
Concen: 19.55 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion: 91 Resp: 272864
Ion Ratio Lower Upper
91 100
106 31.1 25.7 38.5

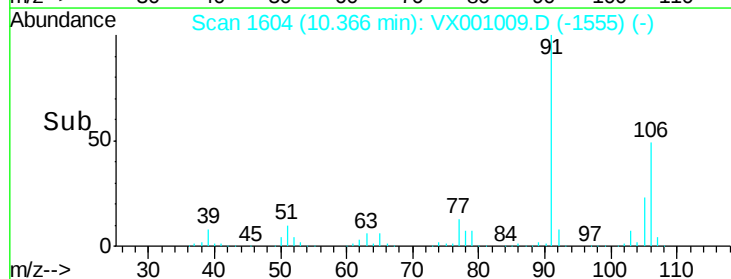
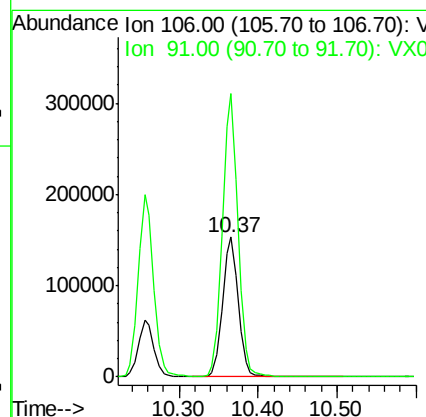
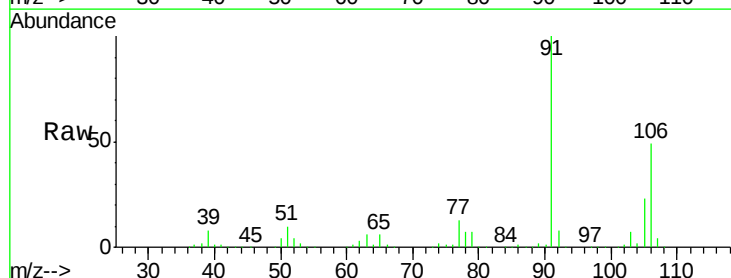
Manual Integrations
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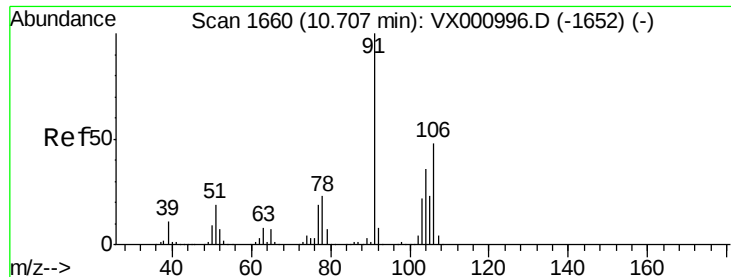
MMDadoda
4/23/2018 1:27:40 PM



#68
m/p-Xylenes
Concen: 38.74 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion: 106 Resp: 213101
Ion Ratio Lower Upper
106 100
91 199.8 159.3 238.9





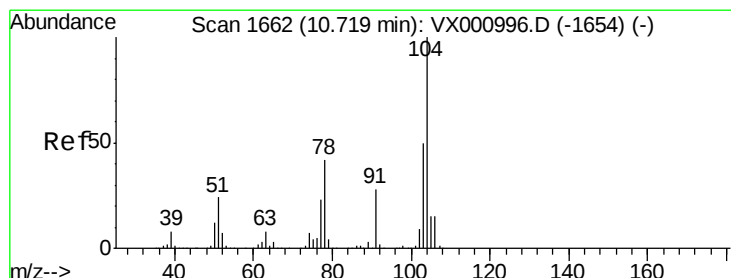
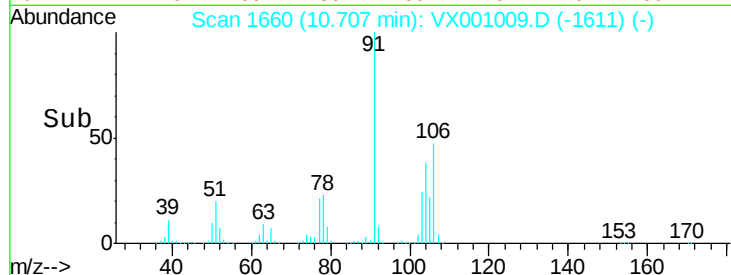
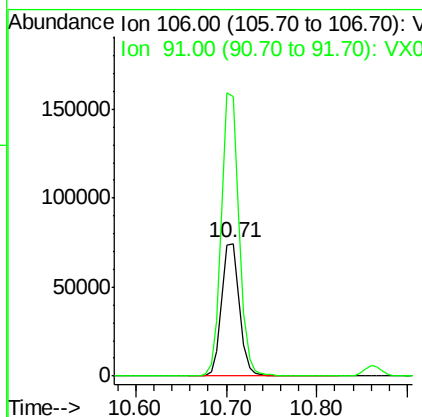
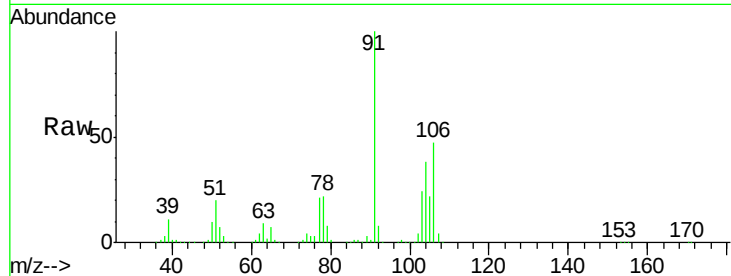
#69
o-Xylene
Concen: 19.41 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion:106 Resp: 102958
Ion Ratio Lower Upper
106 100
91 211.0 105.1 315.1

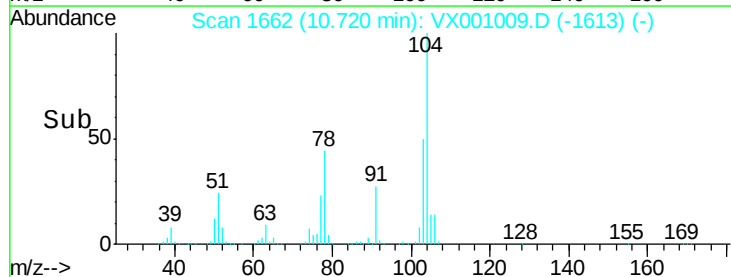
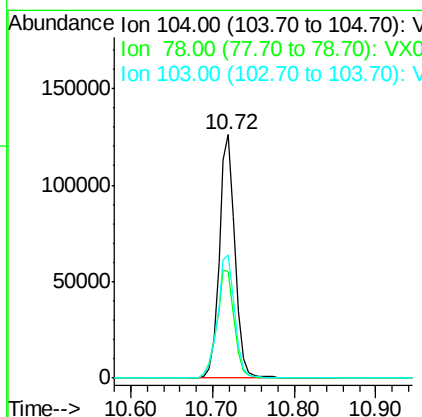
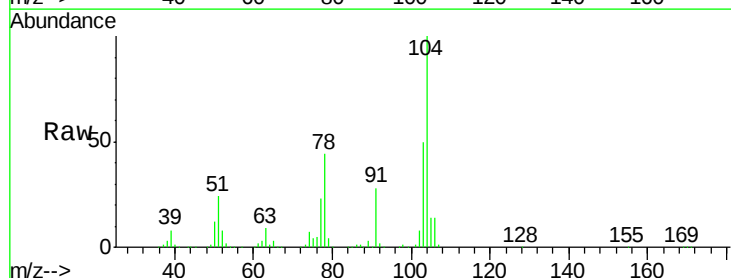
Manual Integrations
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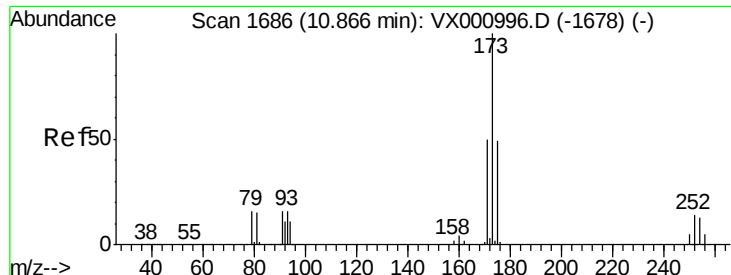
MMDadoda
4/23/2018 1:27:40 PM



#70
Styrene
Concen: 19.39 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion:104 Resp: 169358
Ion Ratio Lower Upper
104 100
78 50.0 39.4 59.2
103 56.0 44.2 66.2





#71

Bromoform

Concen: 18.41 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion:173 Resp: 44563

Ion Ratio Lower Upper

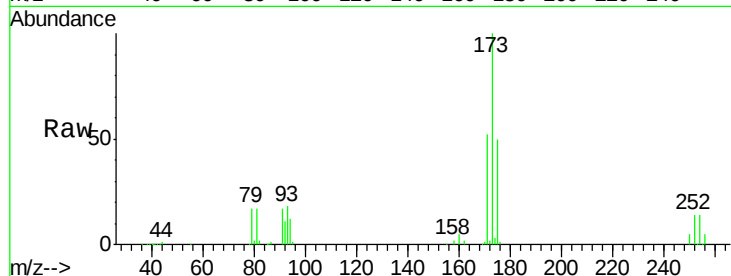
173 100

175 48.5 24.8 74.3

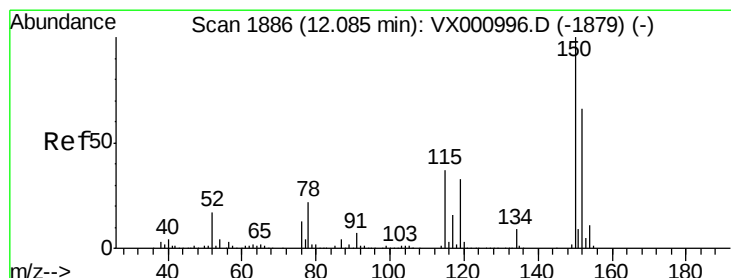
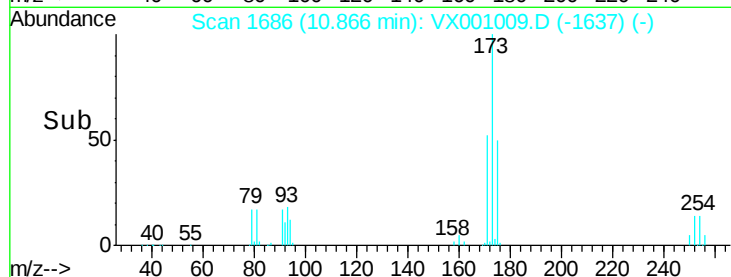
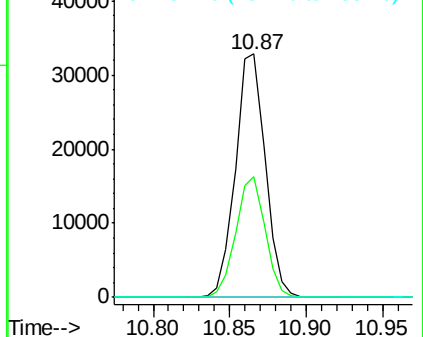
254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

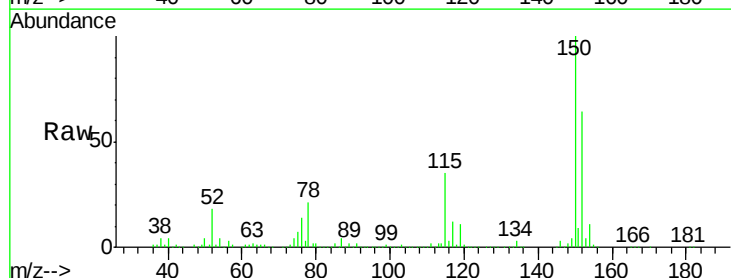
Tgt Ion:152 Resp: 217216

Ion Ratio Lower Upper

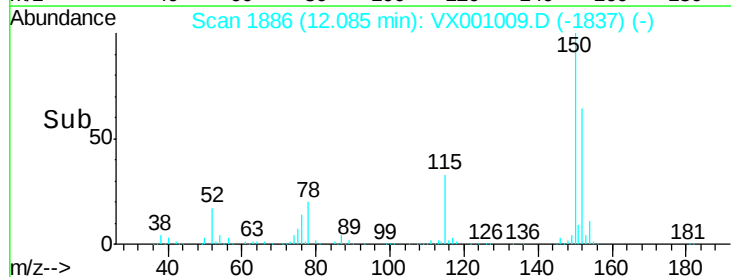
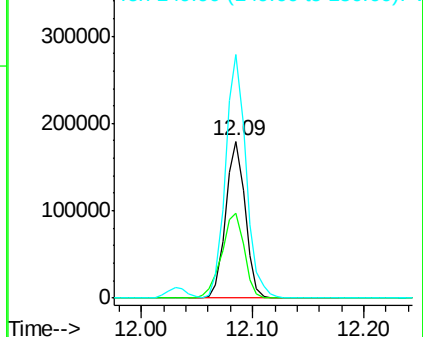
152 100

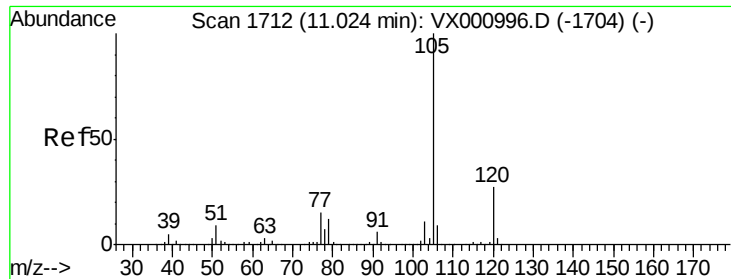
115 61.9 38.2 114.6

150 163.2 0.0 350.4



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





#73

Isopropylbenzene

Concen: 19.70 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 105 Resp: 279814

Ion Ratio Lower Upper

105 100

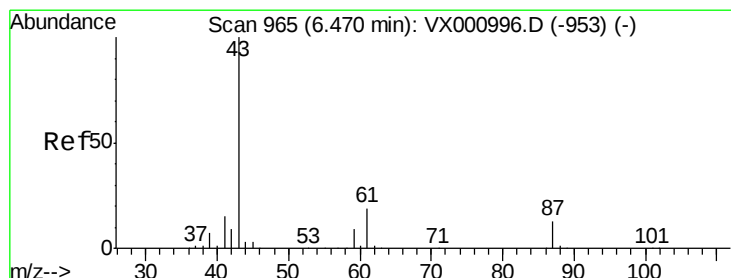
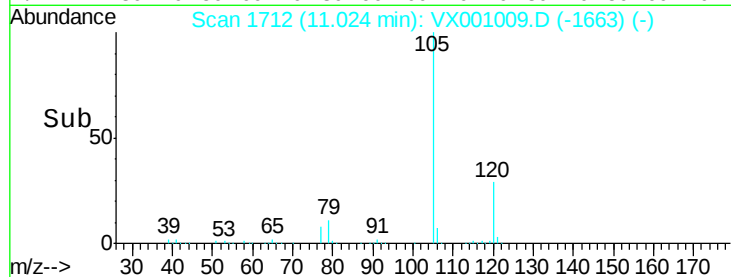
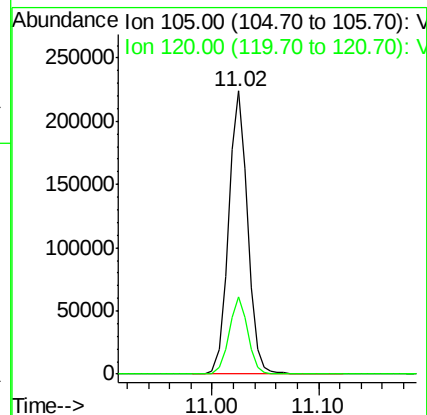
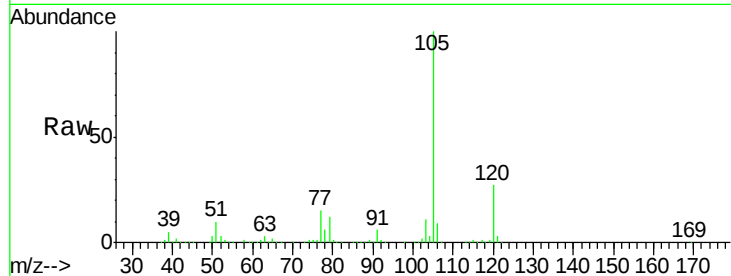
120 27.1 13.4 40.2

Manual Integrations

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MMDadoda

4/23/2018 1:27:40 PM



#74

N-ethyl acetate

Concen: 19.63 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion: 43 Resp: 119222

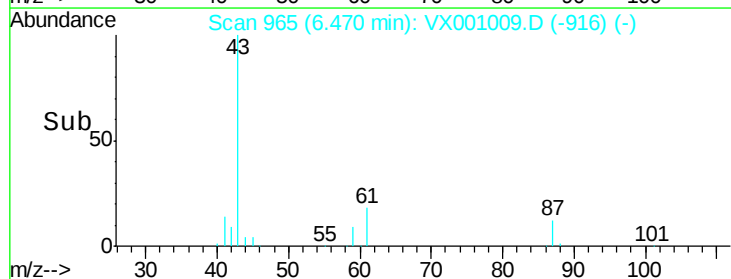
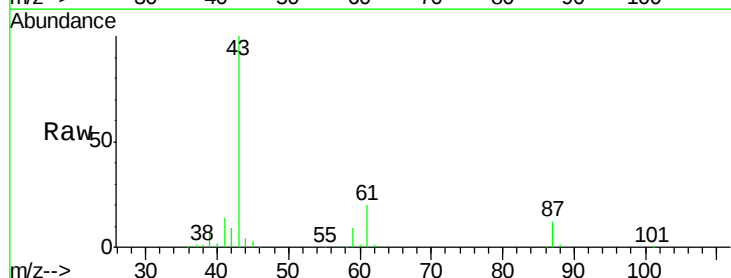
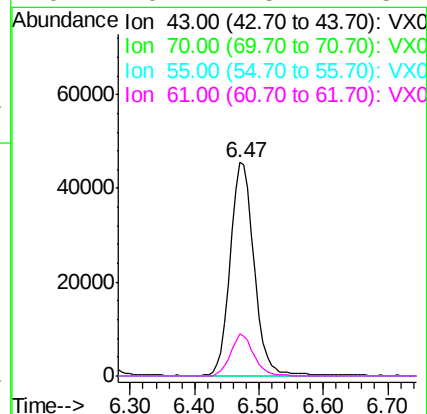
Ion Ratio Lower Upper

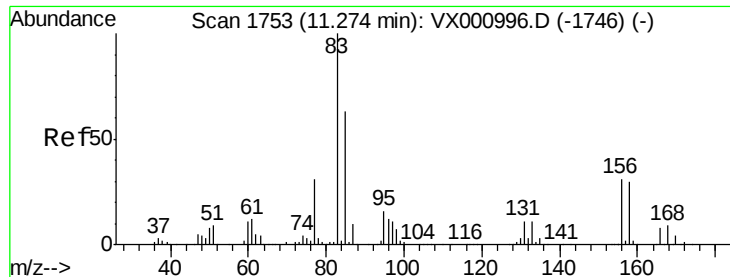
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.1 15.4 23.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.64 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 83 Resp: 78943

Ion Ratio Lower Upper

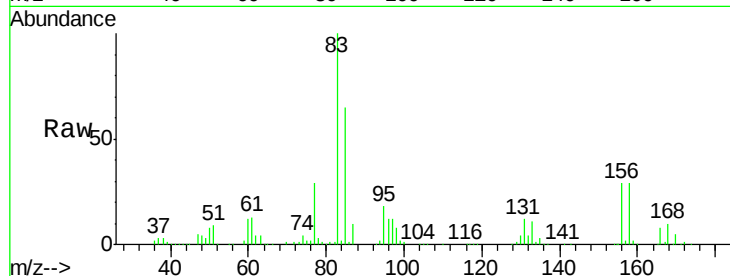
83 100

131 12.1 5.8 17.4

85 65.1 32.0 96.2

Manual Integrations
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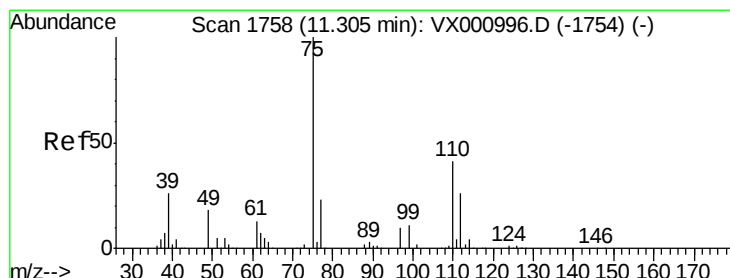
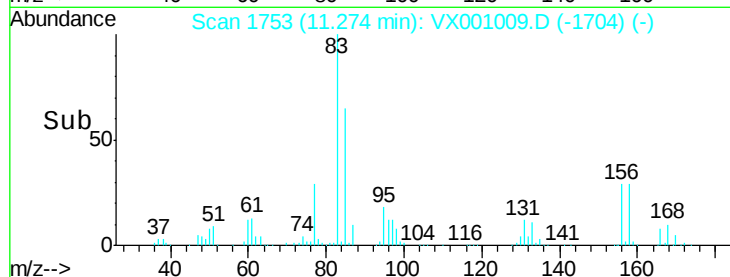
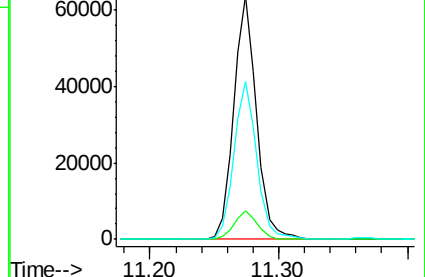
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.97 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001009.D

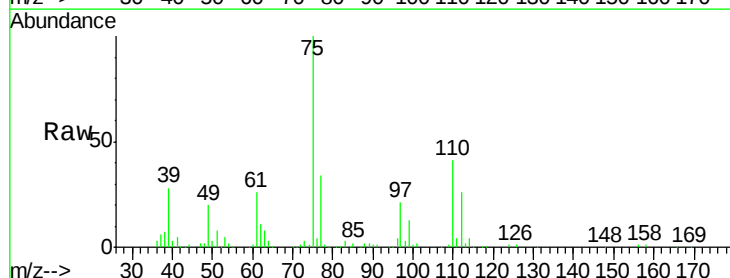
Acq: 20 Apr 2018 15:27

Tgt Ion: 75 Resp: 75268

Ion Ratio Lower Upper

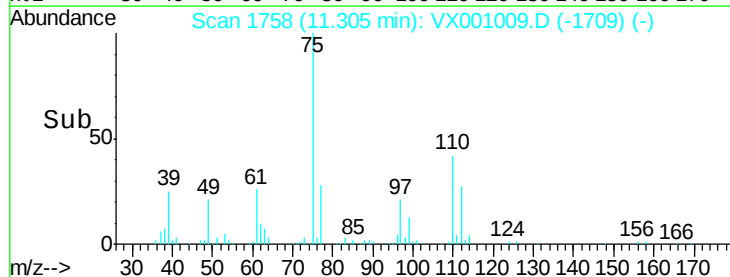
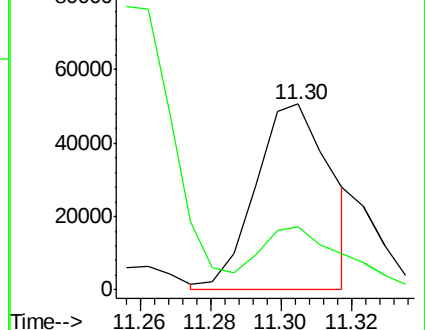
75 100

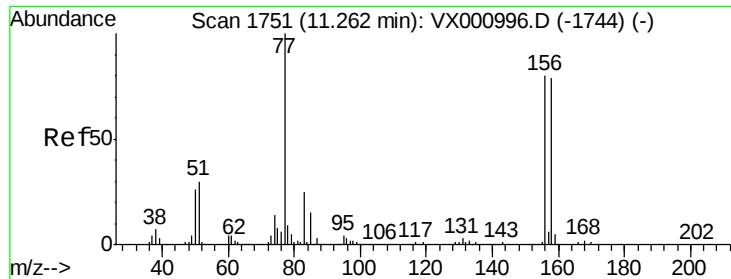
77 38.0 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.42 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

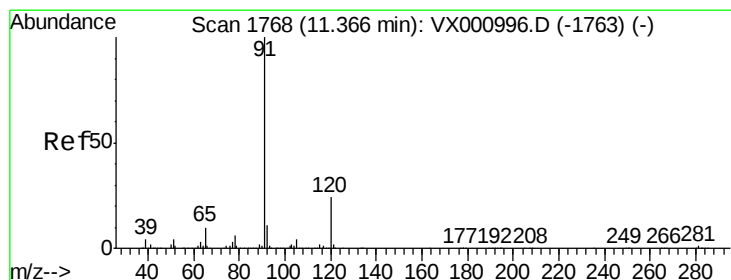
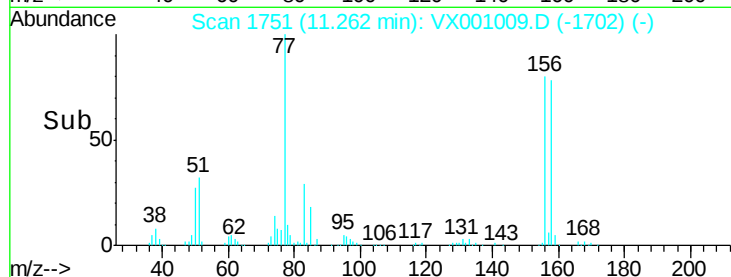
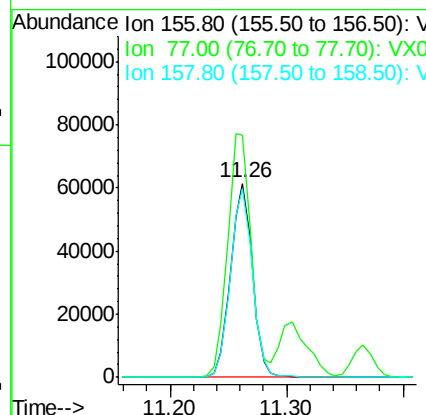
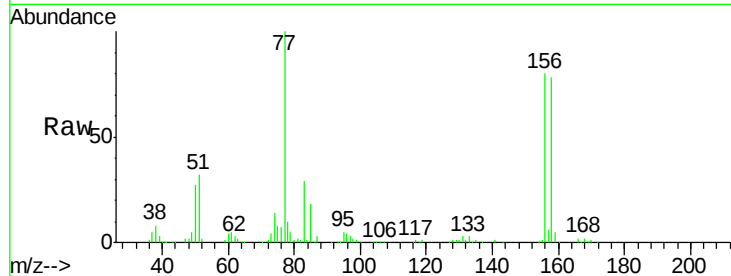
ClientSampleId :

VX0420MBS01

Tgt Ion:	156	Resp:	80058
Ion Ratio	Lower	Upper	
156	100		
77	135.2	66.3	199.0
158	98.4	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.54 ug/l

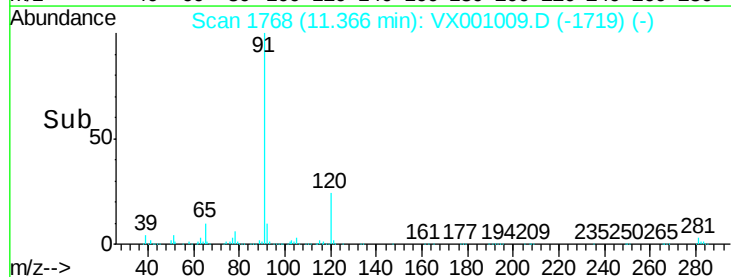
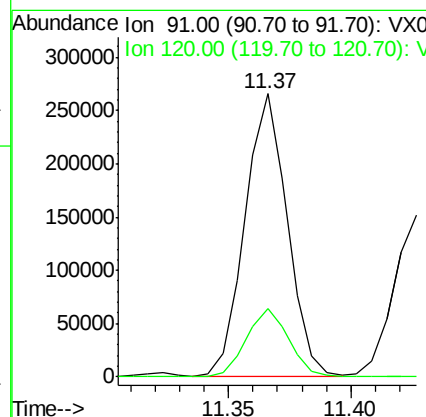
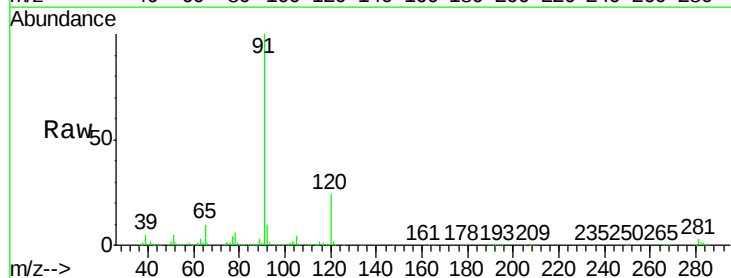
RT: 11.37 min Scan# 1768

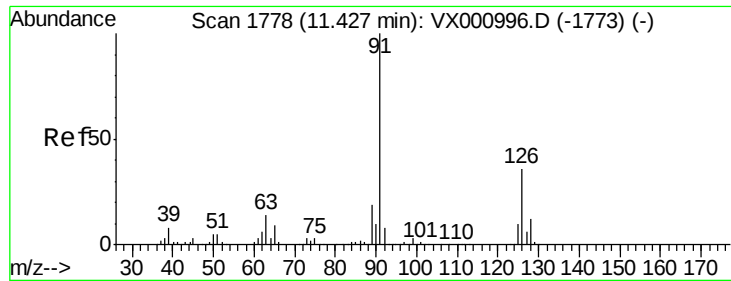
Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion:	91	Resp:	318547
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.4	37.0





#79

2-Chlorotoluene

Concen: 19.60 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 91 Resp: 188767

Ion Ratio Lower Upper

91 100

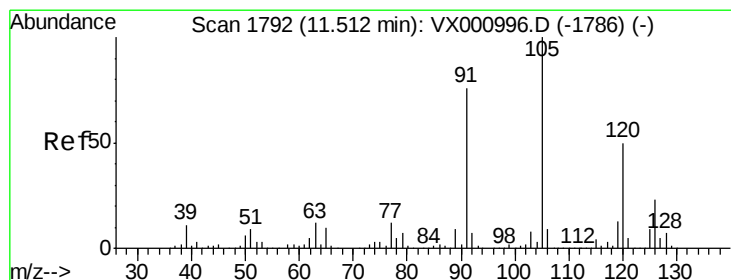
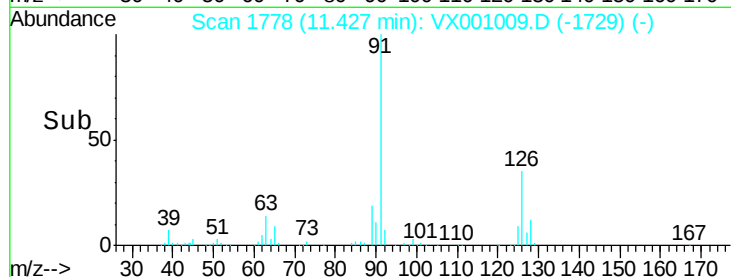
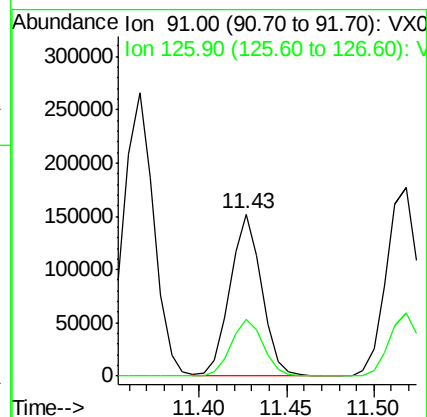
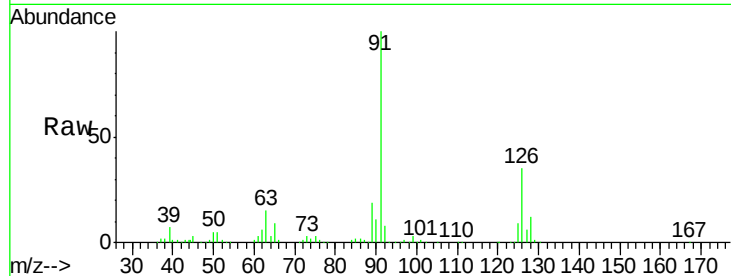
126 36.0 18.3 54.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.76 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001009.D

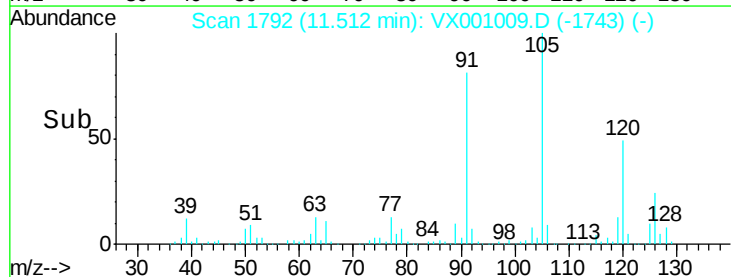
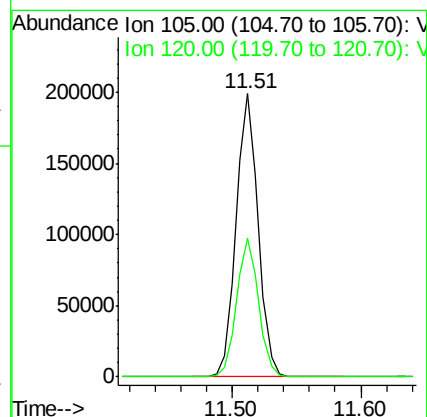
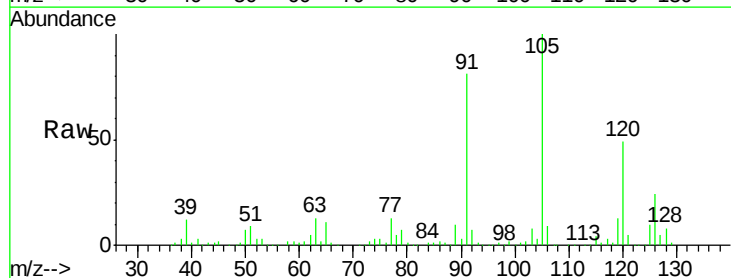
Acq: 20 Apr 2018 15:27

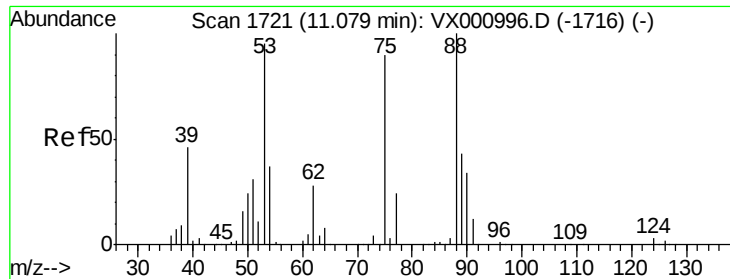
Tgt Ion: 105 Resp: 237889

Ion Ratio Lower Upper

105 100

120 48.9 25.0 75.0





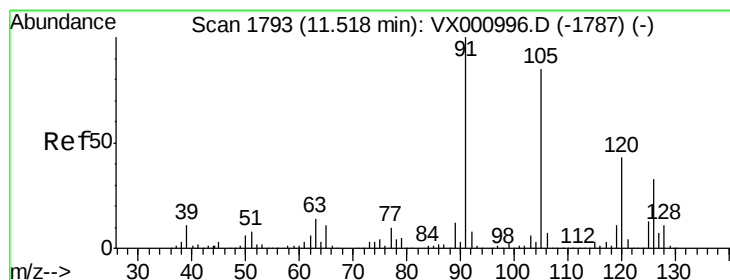
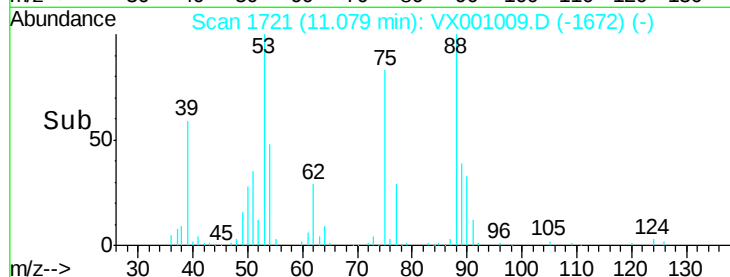
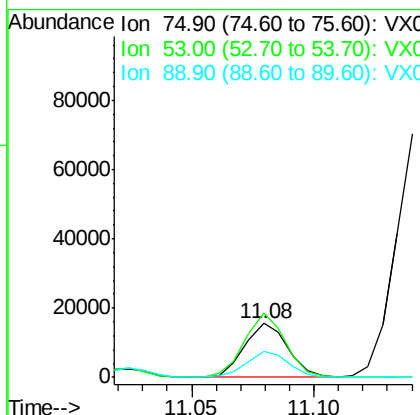
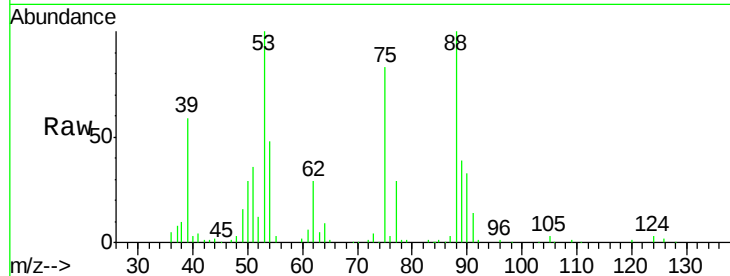
#81
trans-1,4-Dichloro-2-butene
Concen: 17.77 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	115.0	83.4	125.2
89	47.5	39.7	59.5

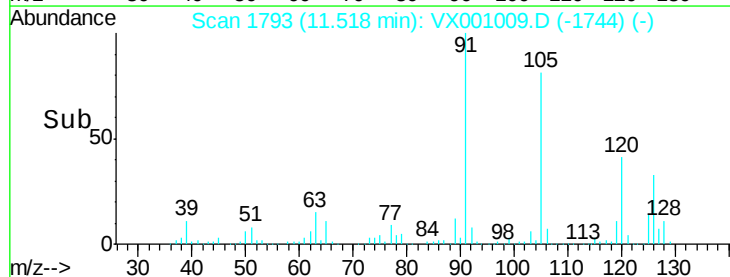
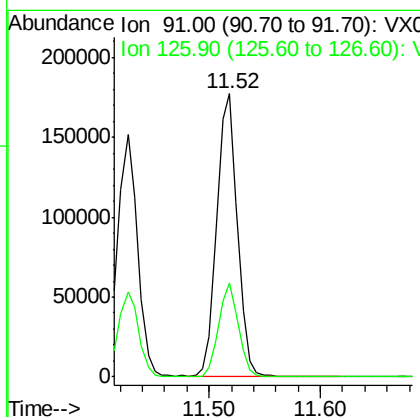
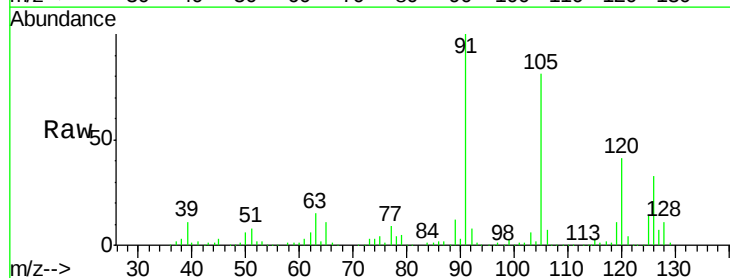
Manual Integrations
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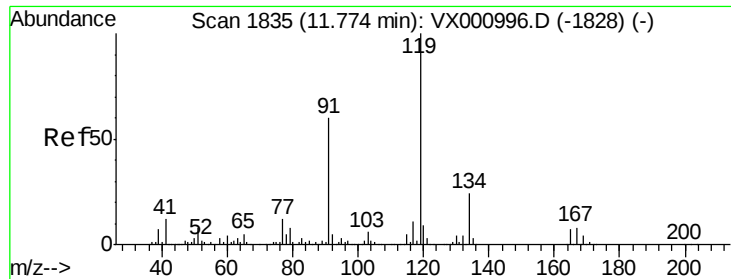
MMDadoda
4/23/2018 1:27:40 PM



#82
4-Chlorotoluene
Concen: 19.44 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.2	48.5





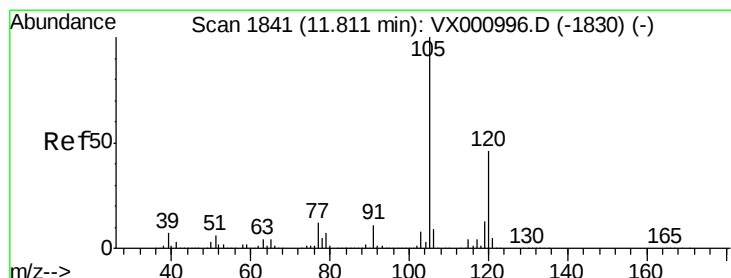
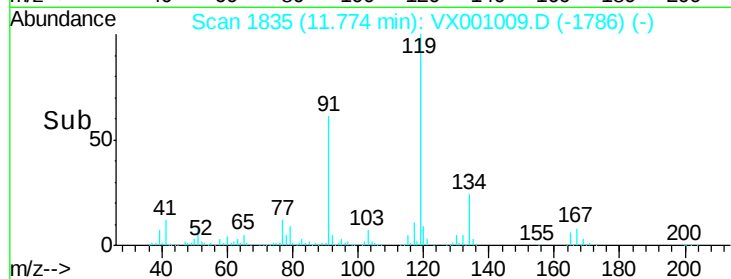
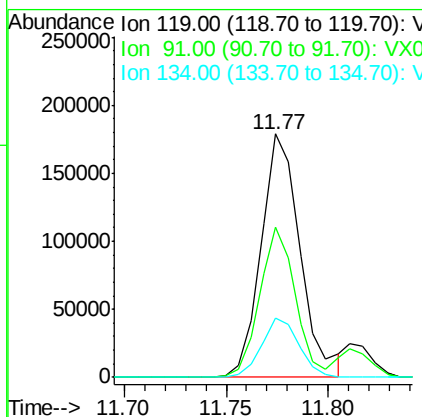
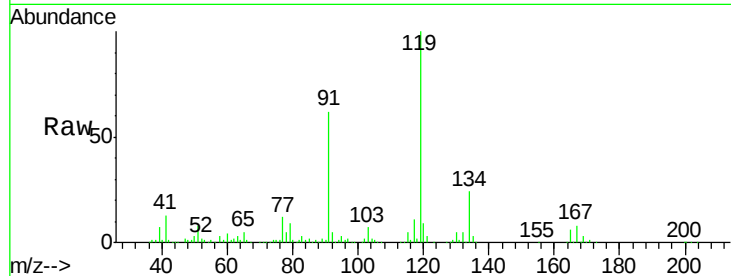
#83
 tert-Butylbenzene
 Concen: 19.66 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	238740		
91	56.4	27.0	81.0	
134	23.5	11.6	34.7	

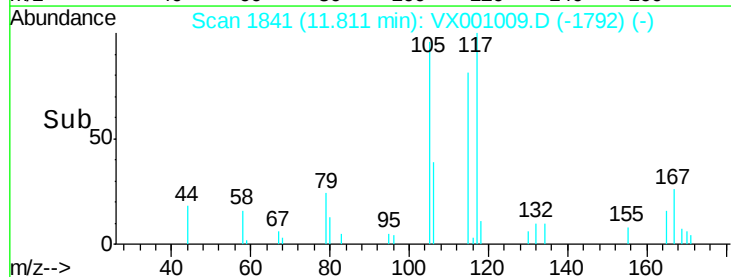
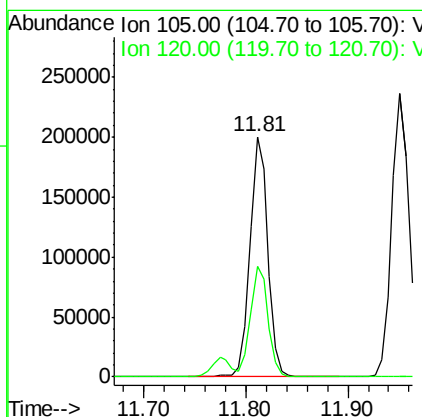
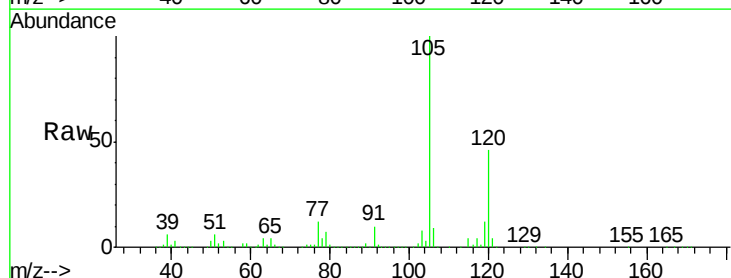
Manual Integrations
 APPROVED

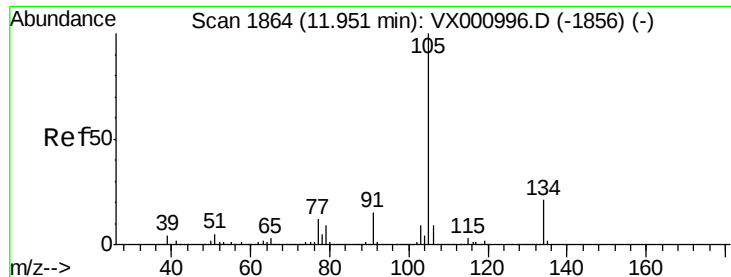
MMDadoda
 4/23/2018 1:27:40 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.74 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	244572		
120	45.4	23.0	69.0	





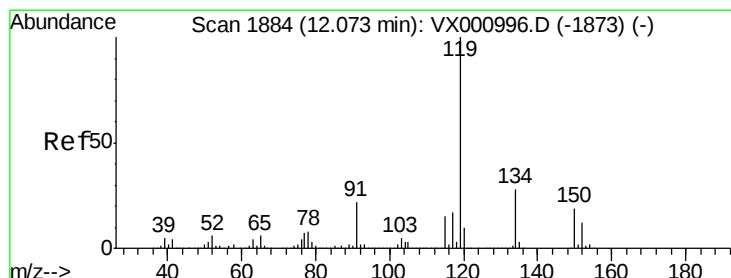
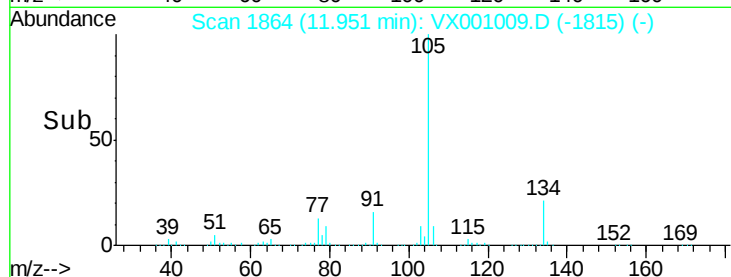
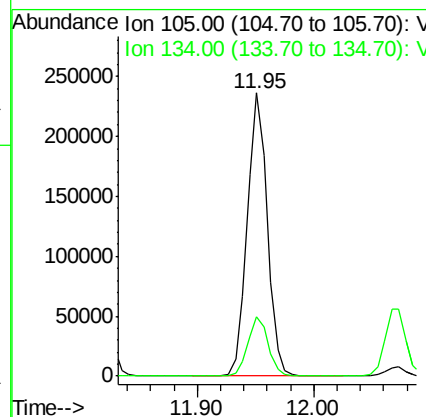
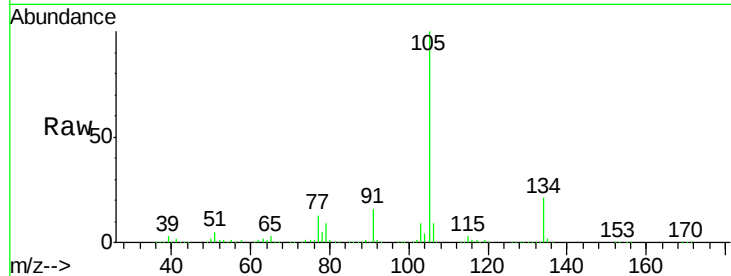
#85
 sec-Butylbenzene
 Concen: 19.64 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBS01

Tgt Ion:105 Resp: 284626
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.5 31.6

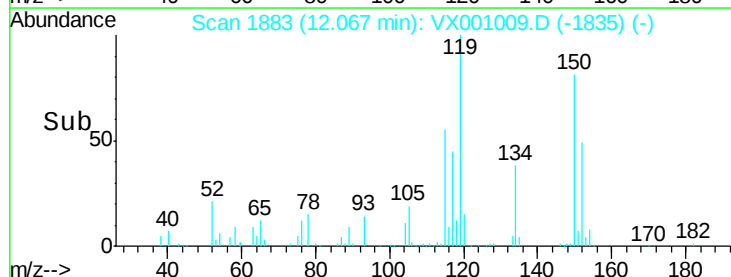
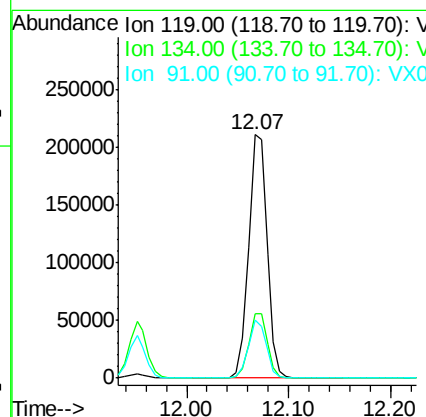
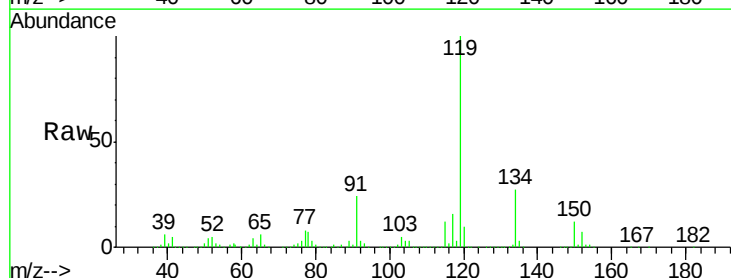
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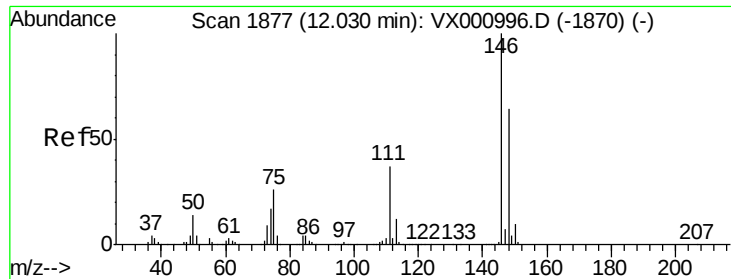
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 19.64 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion:119 Resp: 263320
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.5
 91 23.1 11.4 34.1





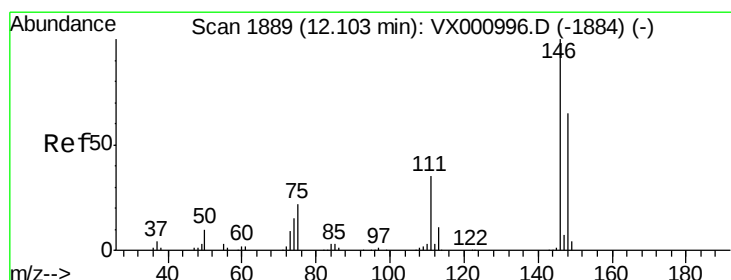
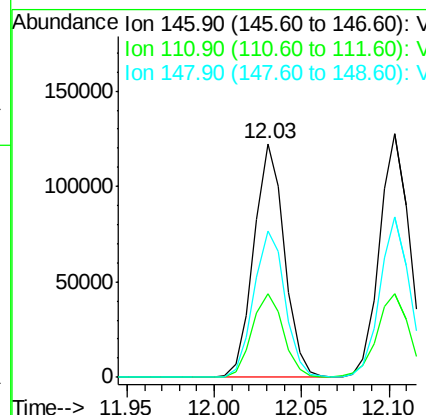
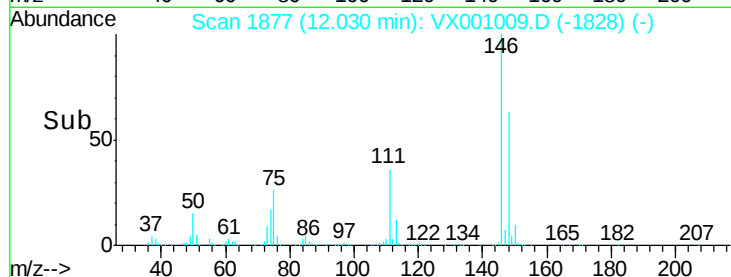
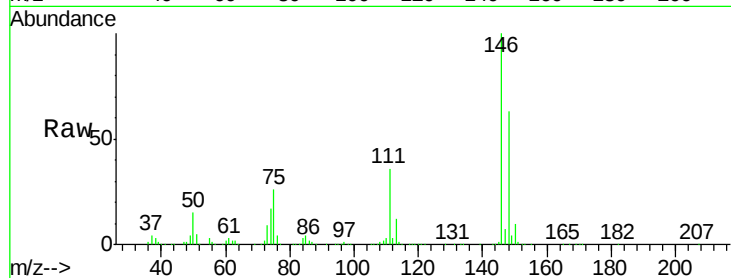
#87
 1,3-Dichlorobenzene
 Concen: 19.28 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.8
148	63.9	32.2	96.6

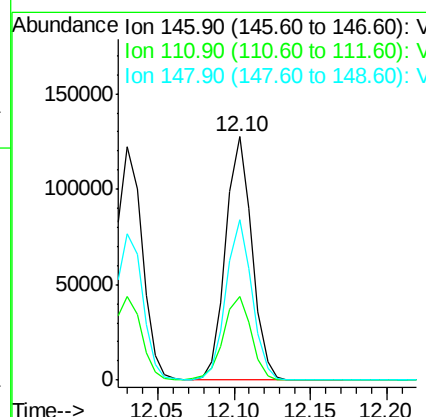
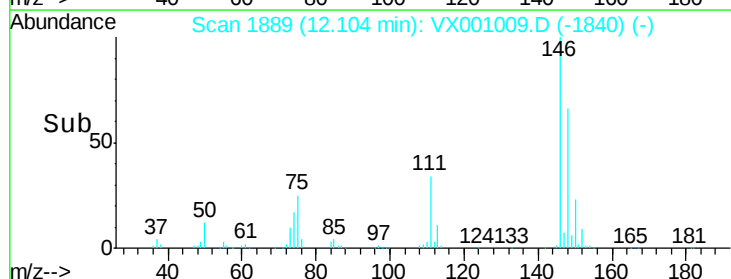
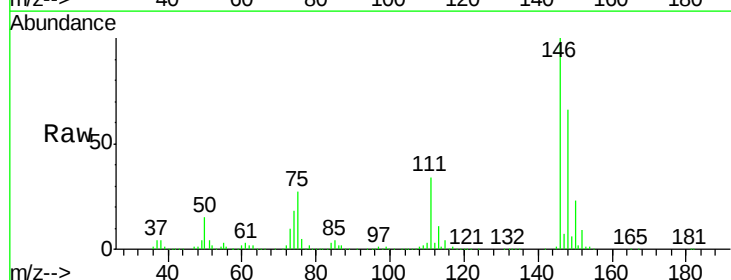
Manual Integrations
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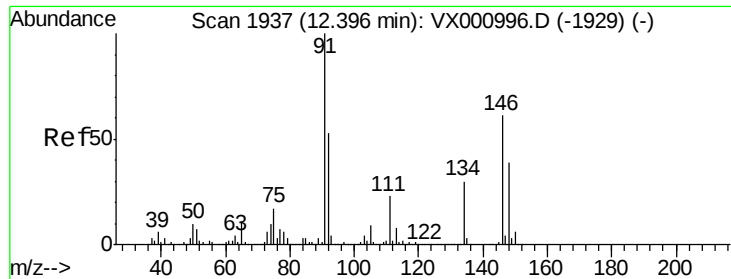
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#88
 1,4-Dichlorobenzene
 Concen: 19.22 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.0	54.0
148	65.3	32.4	97.0





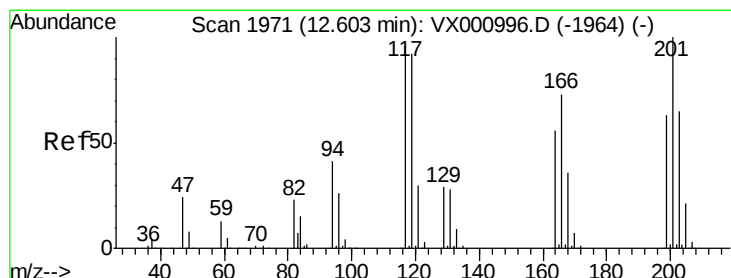
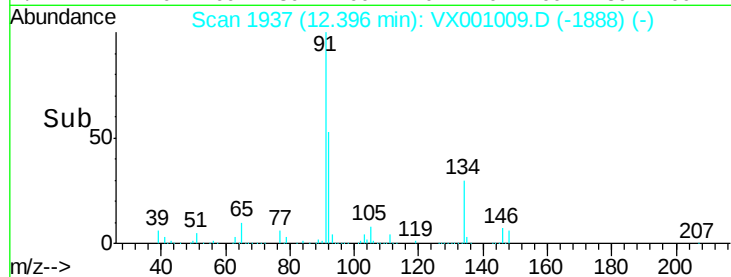
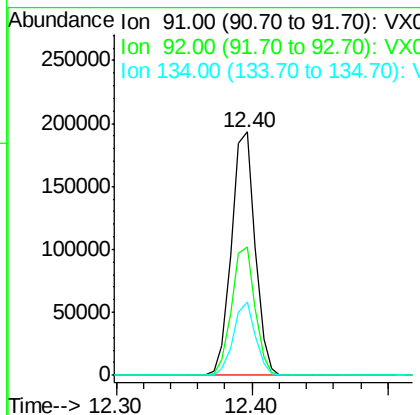
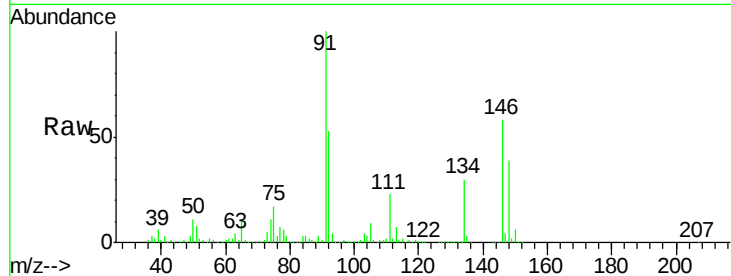
#89
n-Butylbenzene
Concen: 19.56 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	233396		
92	52.2	26.3	78.9	
134	28.2	14.4	43.0	

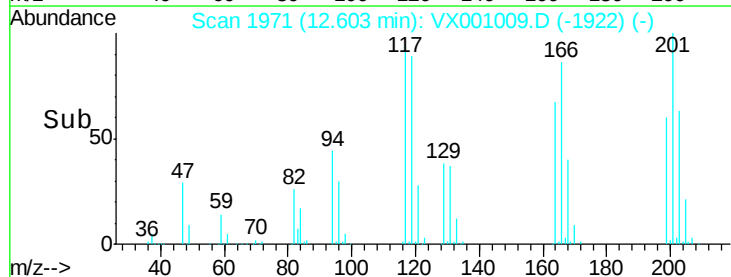
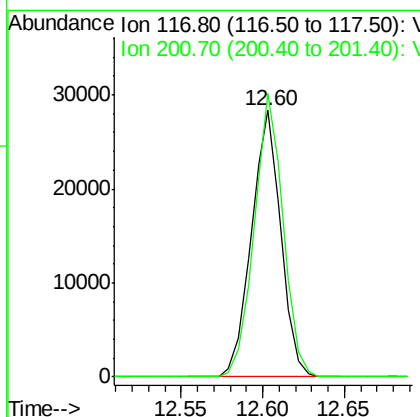
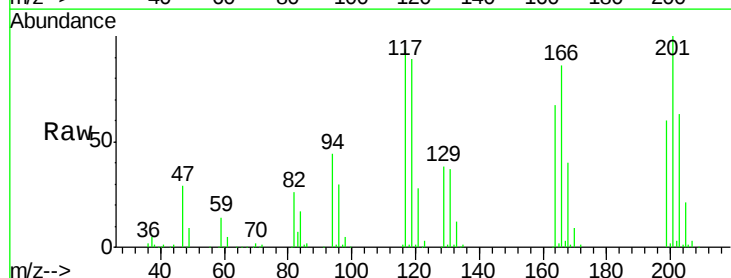
Manual Integrations
APPROVED

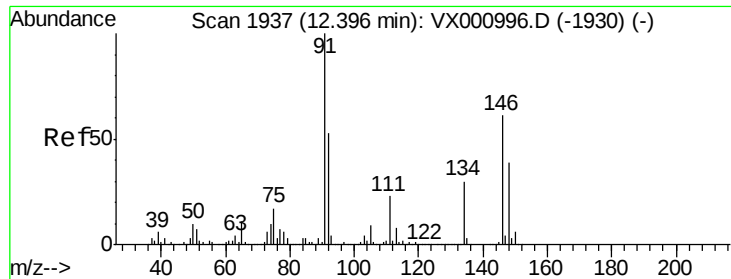
MMDadoda
4/23/2018 1:27:40 PM



#90
Hexachloroethane
Concen: 18.64 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001009.D
Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35426		
201	104.2	52.3	157.1	





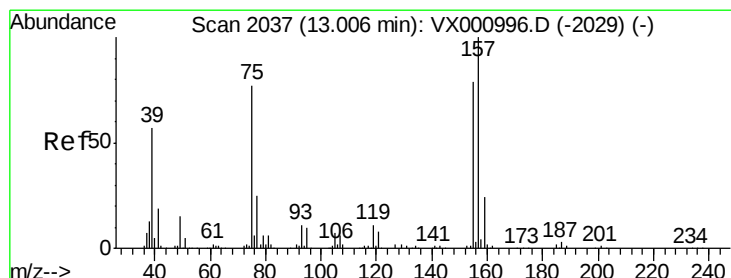
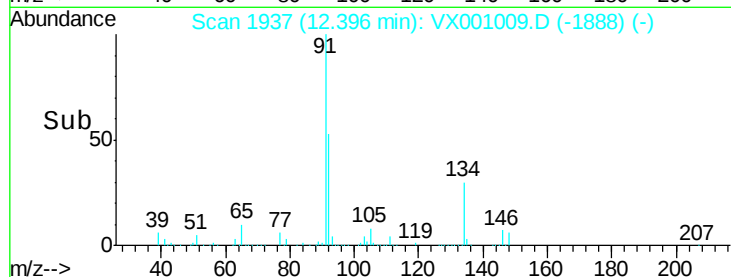
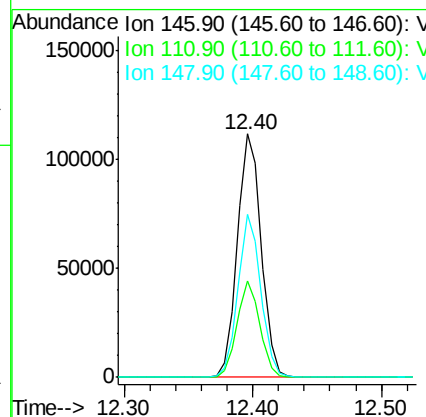
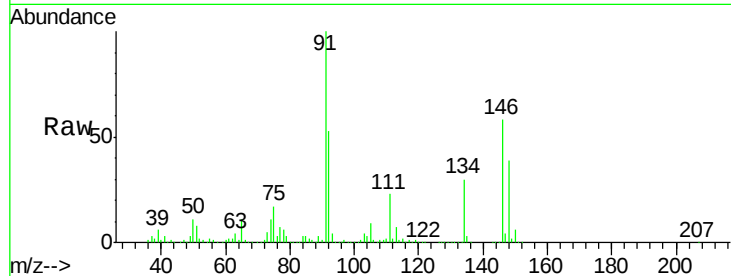
#91
 1,2-Dichlorobenzene
 Concen: 19.34 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	56.0
148	64.4	32.3	96.8

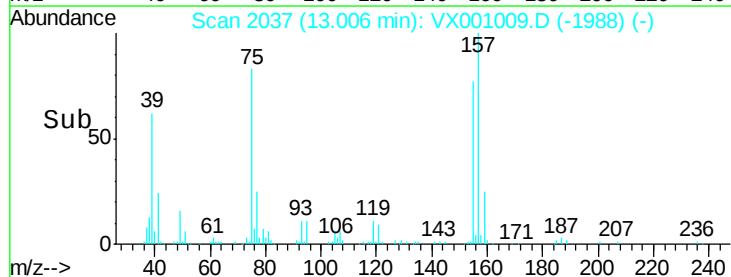
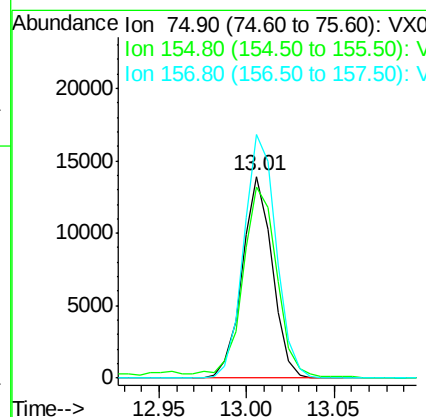
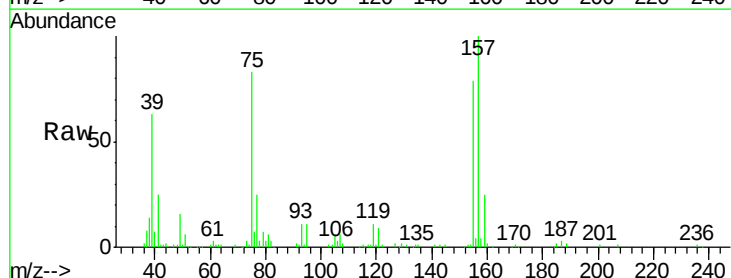
Manual Integrations
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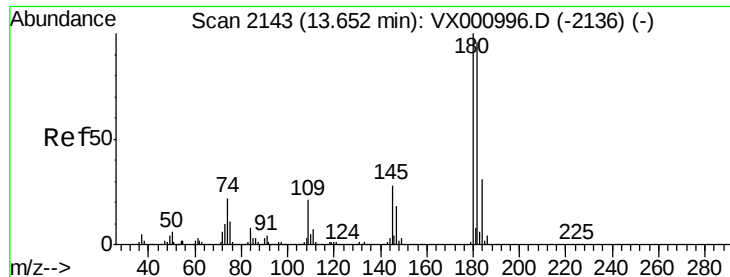
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.74 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.6	51.0	153.0
157	129.7	64.9	194.7





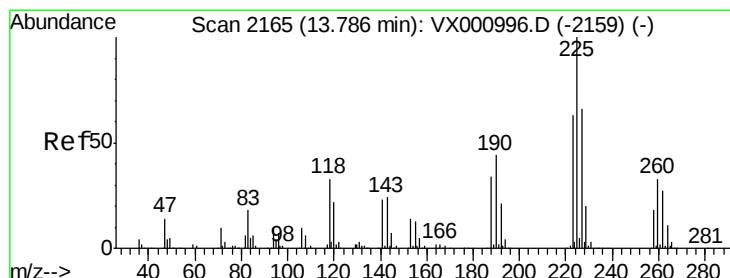
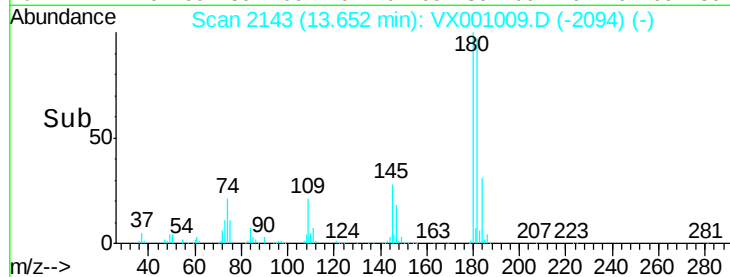
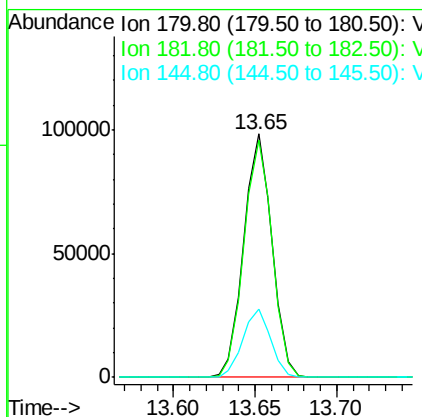
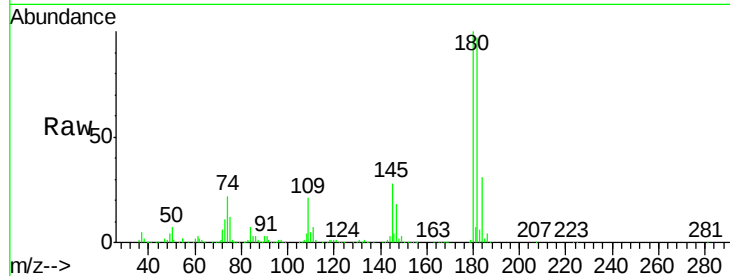
#93
 1,2,4-Trichlorobenzene
 Concen: 18.97 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	118982		
182	97.2	48.0	144.0	
145	27.8	13.9	41.7	

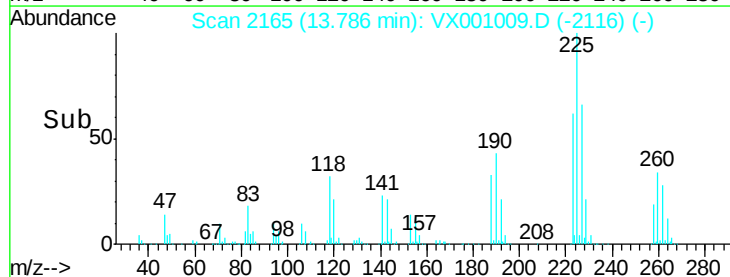
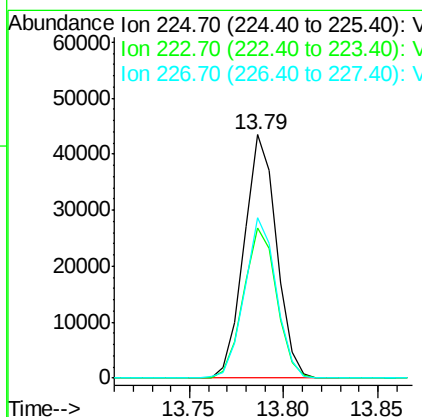
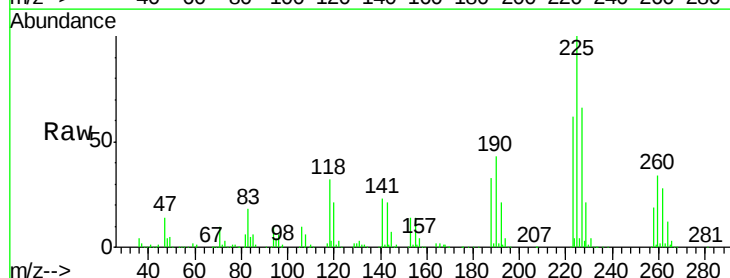
Manual Integrations
 APPROVED

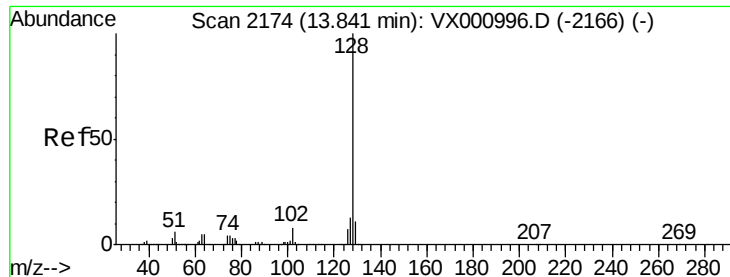
MMDadoda
 4/23/2018 1:27:40 PM



#94
 Hexachlorobutadiene
 Concen: 18.34 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001009.D
 Acq: 20 Apr 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52051		
223	62.3	31.5	94.5	
227	64.5	32.6	97.8	





#95

Naphthalene

Concen: 20.06 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Instrument :

MSVOA_X

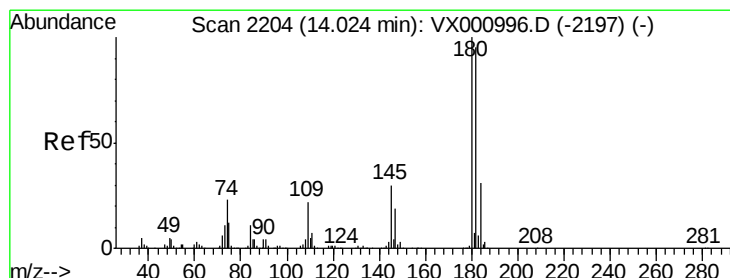
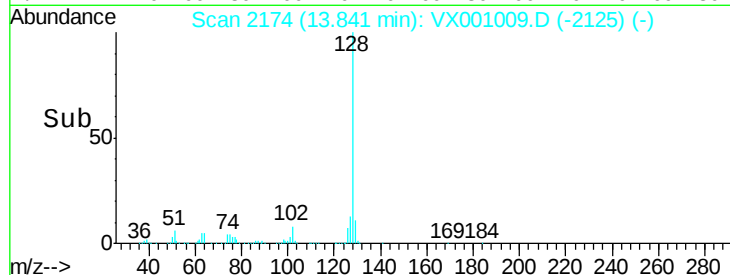
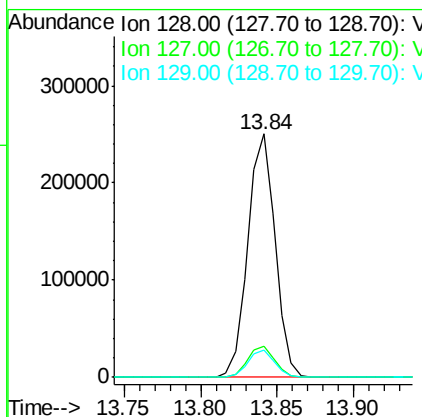
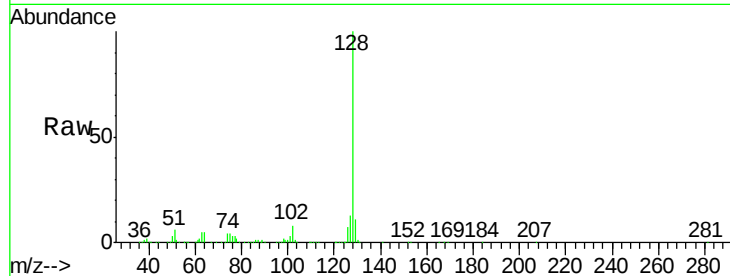
ClientSampleId :

VX0420MBS01

Tgt Ion:	128	Resp:	309469
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 18.97 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001009.D

Acq: 20 Apr 2018 15:27

Tgt Ion:	180	Resp:	115034
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.9	143.7
145	29.5	14.5	43.6

