

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003728.D
 Acq On : 30 Jul 2018 17:15
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:40:08 AM

Quant Time: Jul 31 05:36:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:23:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	113765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	165960	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	150749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	87015	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	58027	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	5.51	113	49147	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	8.72	98	199795	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.14	95	73246	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	45033	46.90	ug/l	100
3) Chloromethane	1.32	50	58161	48.18	ug/l	100
4) Vinyl Chloride	1.40	62	65963	50.80	ug/l	100
5) Bromomethane	1.64	94	35869	45.89	ug/l	100
6) Chloroethane	1.71	64	37994	41.58	ug/l	100
7) Trichlorofluoromethane	1.92	101	80799	68.68	ug/l	100
8) Diethyl Ether	2.19	74	31876	49.54	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	51833	47.99	ug/l	100
10) Methyl Iodide	2.51	142	64733	52.13	ug/l	100
11) Tert butyl alcohol	3.08	59	45124	242.20	ug/l	100
12) 1,1-Dichloroethene	2.37	96	48938	44.48	ug/l	100
13) Acrolein	2.29	56	9326	153.00	ug/l	100
14) Allyl chloride	2.73	41	90115	49.99	ug/l	100
15) Acrylonitrile	3.15	53	116515	245.91	ug/l	100
16) Acetone	2.45	43	111583	253.89	ug/l	100
17) Carbon Disulfide	2.56	76	156521	47.31	ug/l	100
18) Methyl Acetate	2.78	43	61744	49.99	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	142272	51.40	ug/l	100
20) Methylene Chloride	2.85	84	57409	42.61	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	53155	47.71	ug/l	100
22) Diisopropyl ether	3.87	45	163645	50.29	ug/l	100
23) Vinyl Acetate	3.82	43	622831	265.39	ug/l	100
24) 1,1-Dichloroethane	3.70	63	92628	48.81	ug/l	100
25) 2-Butanone	4.70	43	159974	249.69	ug/l	100
26) 2,2-Dichloropropane	4.58	77	72655	48.61	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	59389	49.46	ug/l	100
28) Bromochloromethane	5.02	49	42455	49.87	ug/l	100
29) Tetrahydrofuran	5.15	42	100738	246.73	ug/l	100
30) Chloroform	5.21	83	92372	49.40	ug/l	100
31) Cyclohexane	5.58	56	92333	50.37	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	80581	50.14	ug/l	100
36) 1,1-Dichloropropene	5.81	75	75706	48.71	ug/l	100
37) Ethyl Acetate	4.86	43	60278	50.49	ug/l	100
38) Carbon Tetrachloride	5.78	117	70772	49.23	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	94133	49.33	ug/l	100
40) Benzene	6.14	78	224094	50.31	ug/l	100
41) Methacrylonitrile	5.06	41	34056	50.61	ug/l	100
42) 1,2-Dichloroethane	6.20	62	68706	51.07	ug/l	100
43) Isopropyl Acetate	6.46	43	97571	51.29	ug/l	100
44) Trichloroethene	7.21	130	61119	48.10	ug/l	100
45) 1,2-Dichloropropane	7.52	63	56209	51.32	ug/l	100
46) Dibromomethane	7.67	93	31878	50.51	ug/l	100
47) Bromodichloromethane	7.90	83	65199	51.84	ug/l	100
48) Methyl methacrylate	7.78	41	49874	52.27	ug/l	100
49) 1,4-Dioxane	7.75	88	19044	988.89	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	302368	258.65	ug/l	100
52) Toluene	8.79	92	139502	50.21	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	75753	52.73	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	84458	52.74	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	49250	51.51	ug/l	100
56) Ethyl methacrylate	9.18	69	69550	52.95	ug/l	100
57) 1,3-Dichloropropane	9.37	76	82611	51.47	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	172334	274.28	ug/l	100
59) 2-Hexanone	9.50	43	232027	260.53	ug/l	100
60) Dibromochloromethane	9.59	129	50646	52.59	ug/l	100
61) 1,2-Dibromoethane	9.68	107	50258	51.48	ug/l	100
64) Tetrachloroethene	9.34	164	58132	49.06	ug/l	100
65) Chlorobenzene	10.14	112	156395	49.65	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	53113	51.70	ug/l	100
67) Ethyl Benzene	10.26	91	268611	50.50	ug/l	100
68) m/p-Xylenes	10.36	106	211739	101.76	ug/l	100
69) o-Xylene	10.70	106	99239	51.36	ug/l	100
70) Styrene	10.71	104	169278	52.08	ug/l	100
71) Bromoform	10.86	173	36677	51.93	ug/l #	100
73) Isopropylbenzene	11.02	105	272203	49.97	ug/l	100
74) N-amyl acetate	6.46	43	97571	56.32	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	70982	50.12	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	60559m	50.49	ug/l	
77) Bromobenzene	11.26	156	71136	50.09	ug/l	100
78) n-propylbenzene	11.36	91	326218	49.43	ug/l	100
79) 2-Chlorotoluene	11.42	91	184361	49.21	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	232034	43.66	ug/l #	66
81) trans-1,4-Dichloro-2-buten	11.08	75	21470	53.02	ug/l	100
82) 4-Chlorotoluene	11.51	91	222930	49.05	ug/l	100
83) tert-Butylbenzene	11.77	119	230945	50.22	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	239290	50.00	ug/l	100
85) sec-Butylbenzene	11.95	105	292664	49.74	ug/l	100
86) p-Isopropyltoluene	12.07	119	266922	56.58	ug/l #	70
87) 1,3-Dichlorobenzene	12.03	146	139690	48.62	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	141173	48.16	ug/l	100
89) n-Butylbenzene	12.39	91	251692	49.45	ug/l	100
90) Hexachloroethane	12.60	117	39802	50.13	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	131534	49.16	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14224	50.62	ug/l	100

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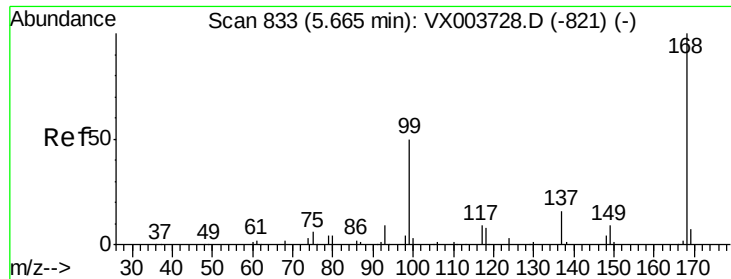
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	105031	49.49	ug/l	100
94) Hexachlorobutadiene	13.79	225	65644	48.37	ug/l	100
95) Naphthalene	13.83	128	236409	52.13	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	96764	50.23	ug/l	100

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



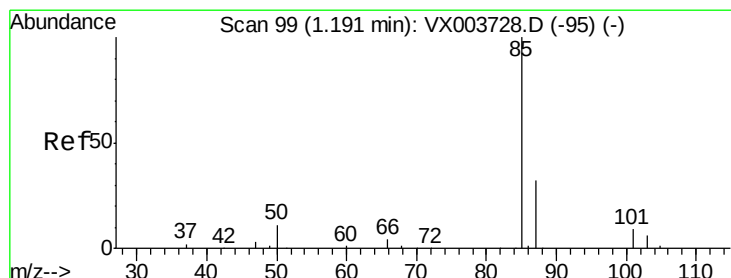
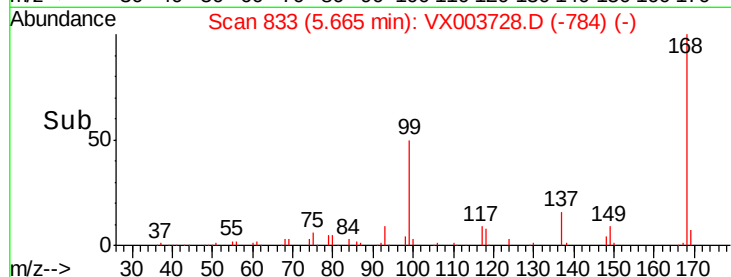
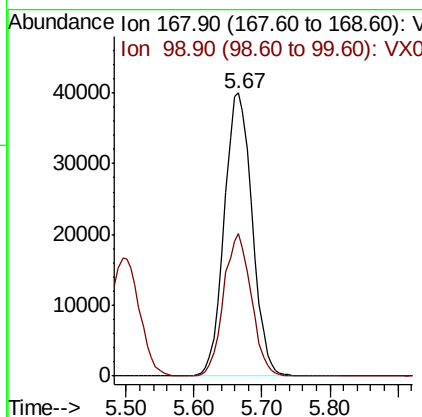
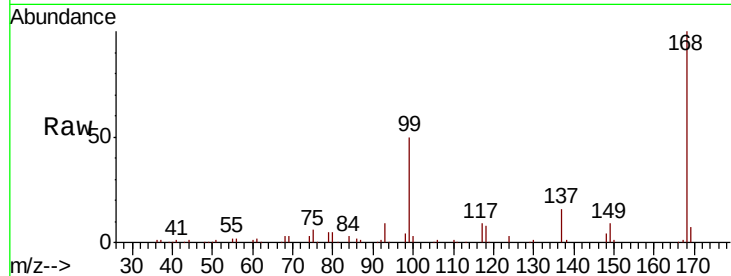
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:168 Resp: 113765
Ion Ratio Lower Upper
168 100
99 50.2 40.2 60.2

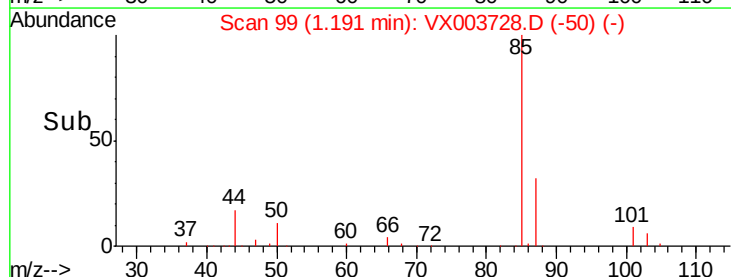
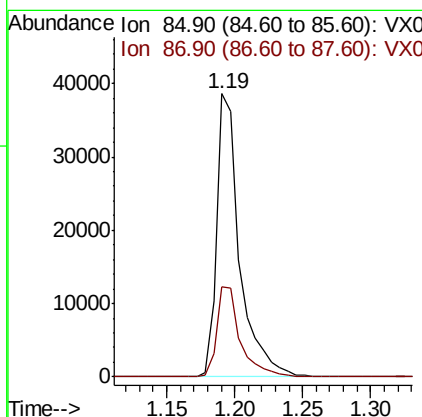
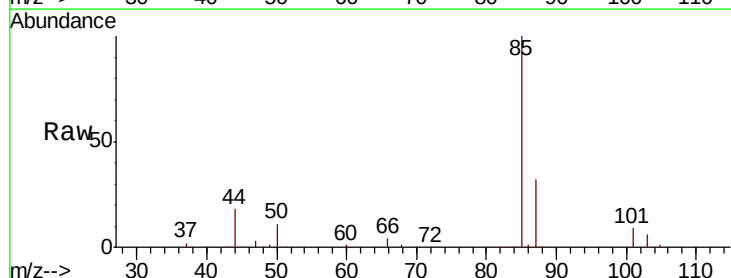
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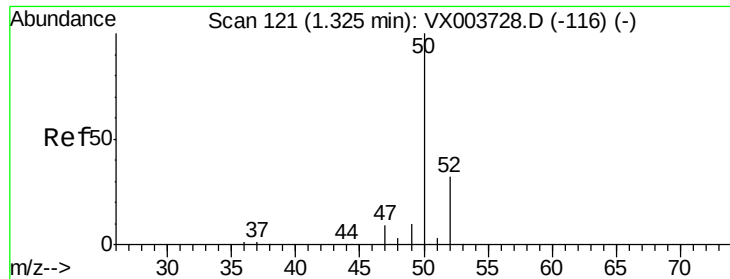
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#2
Dichlorodifluoromethane
Concen: 46.90 ug/l
RT: 1.19 min Scan# 99
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion: 85 Resp: 45033
Ion Ratio Lower Upper
85 100
87 32.1 16.1 48.2





#3

Chloromethane

Concen: 48.18 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 58161

Ion Ratio Lower Upper

50 100

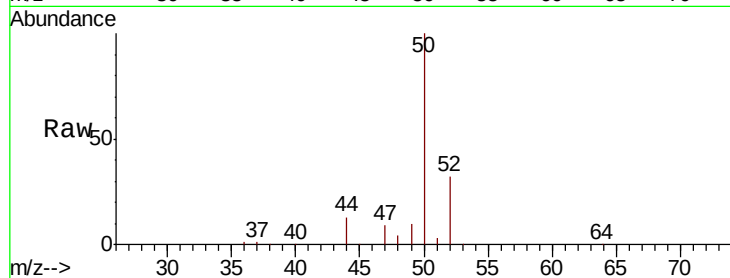
52 32.4 25.9 38.9

Manual Integrations

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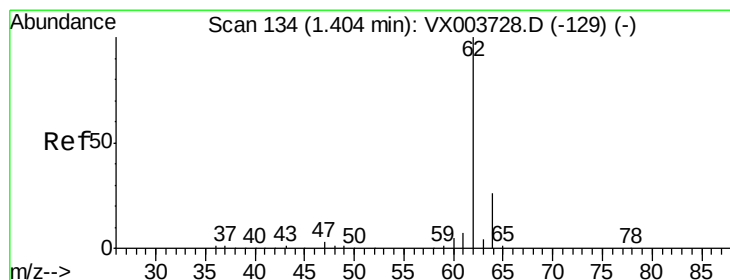
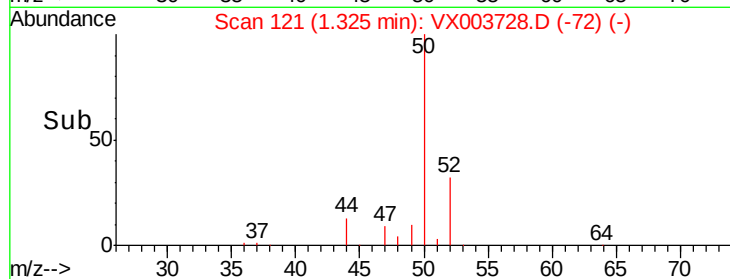
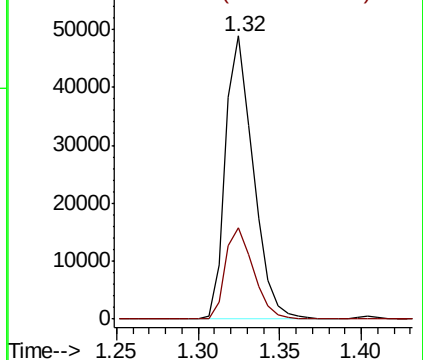
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.80 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003728.D

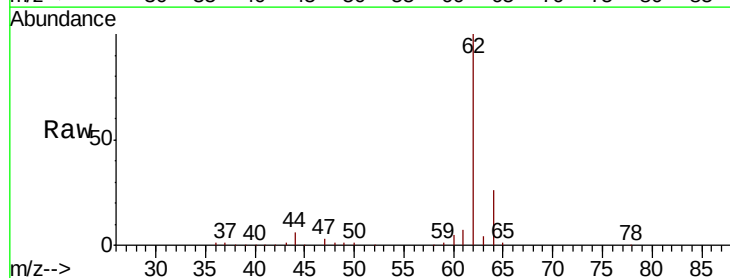
Acq: 30 Jul 2018 17:15

Tgt Ion: 62 Resp: 65963

Ion Ratio Lower Upper

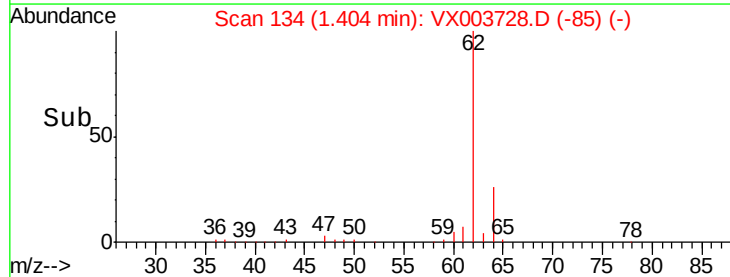
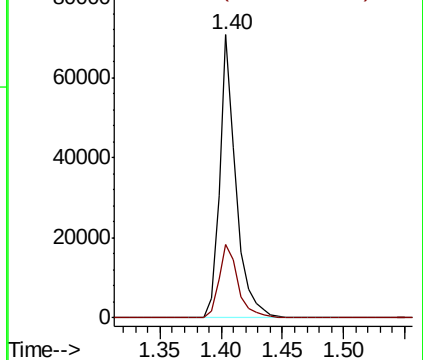
62 100

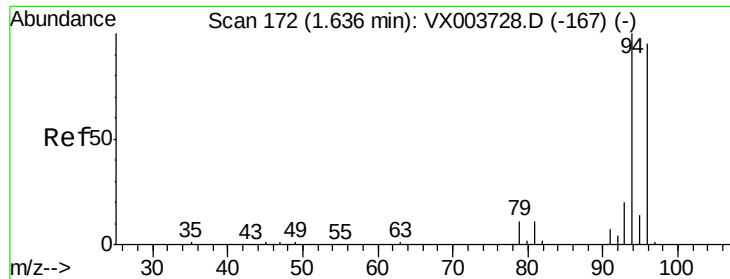
64 26.2 21.0 31.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.89 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 35869

Ion Ratio Lower Upper

94 100

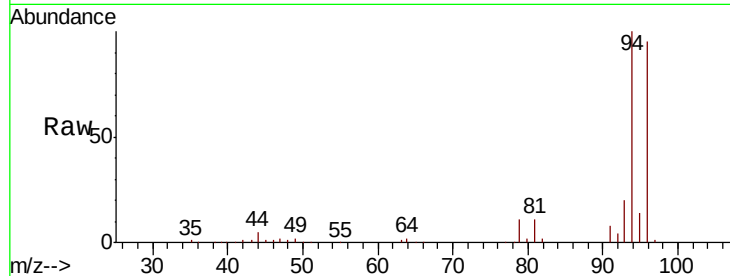
96 95.0 76.0 114.0

Manual Integrations

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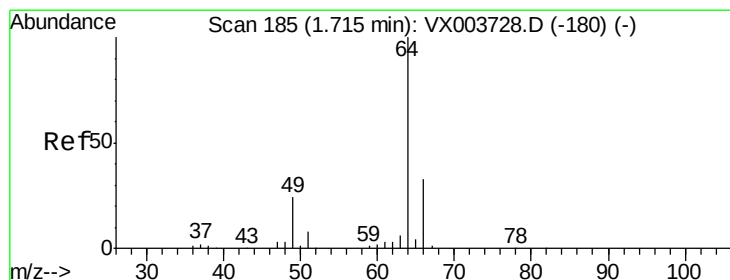
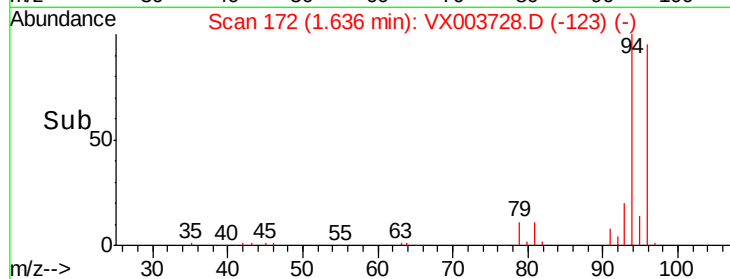
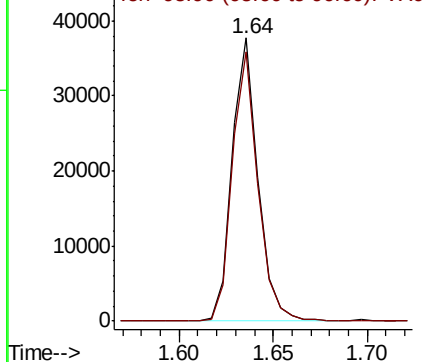
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 41.58 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003728.D

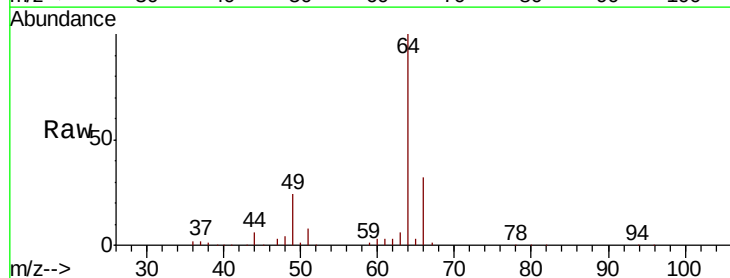
Acq: 30 Jul 2018 17:15

Tgt Ion: 64 Resp: 37994

Ion Ratio Lower Upper

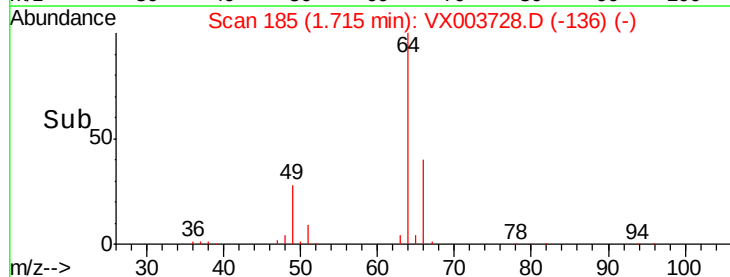
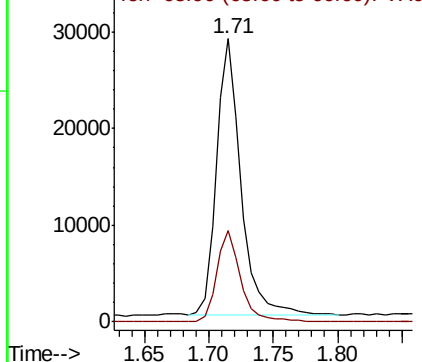
64 100

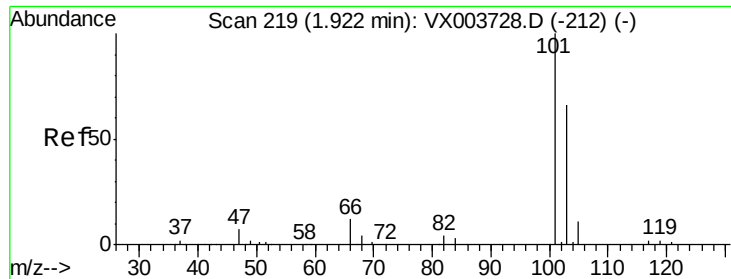
66 33.0 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

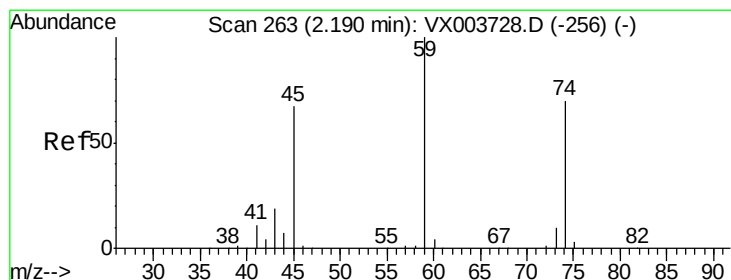
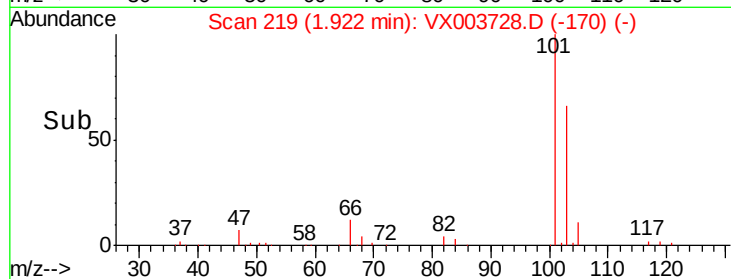
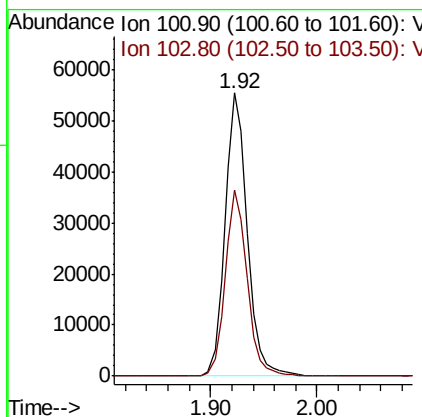
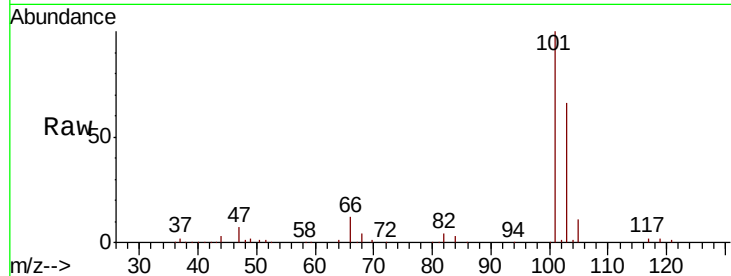
Trichlorofluoromethane
Concen: 68.68 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

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VSTDICCC050

Tot Ion:101 Resp: 80799
Ion Ratio Lower Upper
101 100
103 65.7 52.6 78.8

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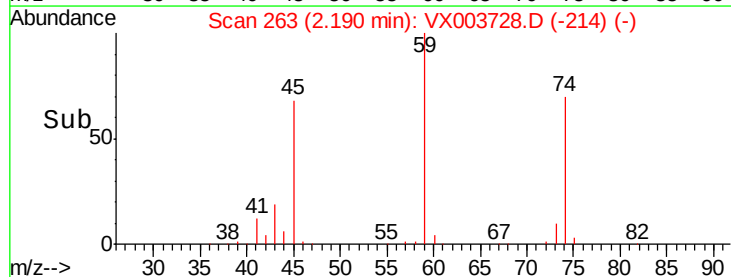
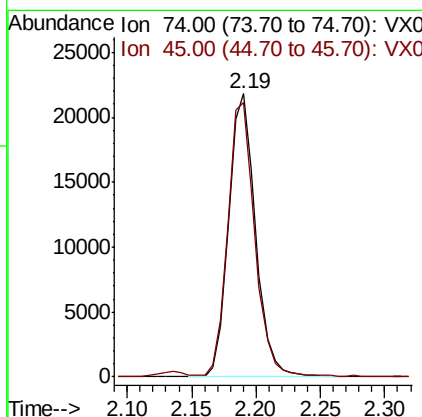
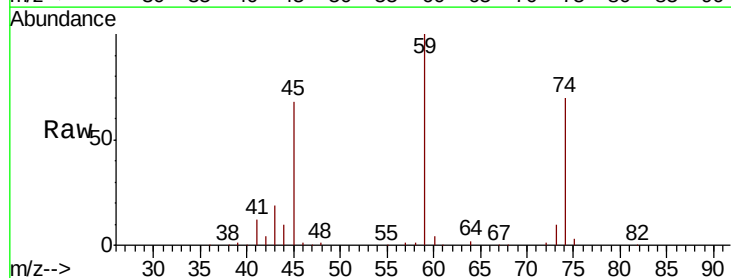
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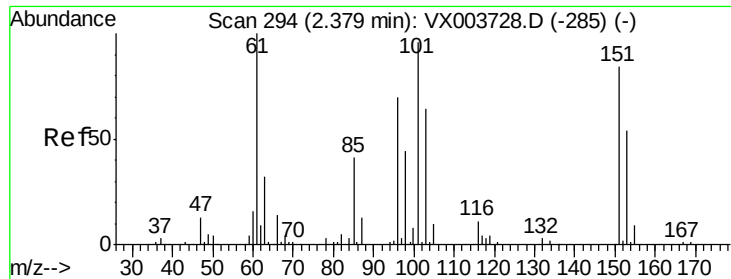


#8

Diethyl Ether
Concen: 49.54 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion: 74 Resp: 31876
Ion Ratio Lower Upper
74 100
45 99.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.99 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

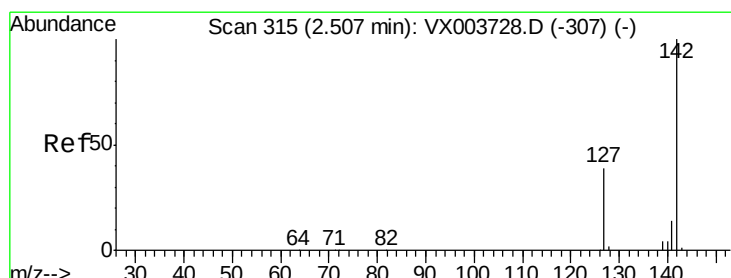
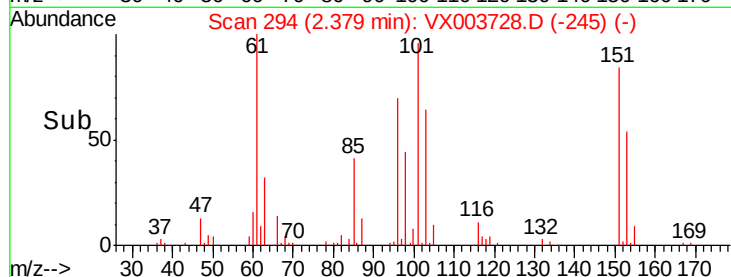
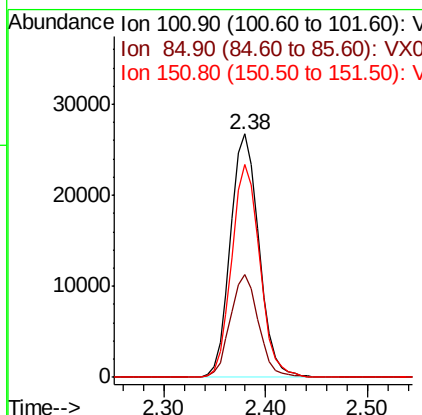
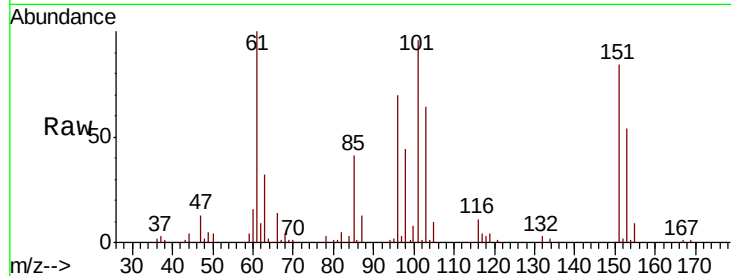
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	51833
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.3	49.9
151	86.0	68.8	103.2

Manual Integrations
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8/1/2018 10:40:08 AM



#10

Methyl Iodide

Concen: 52.13 ug/l

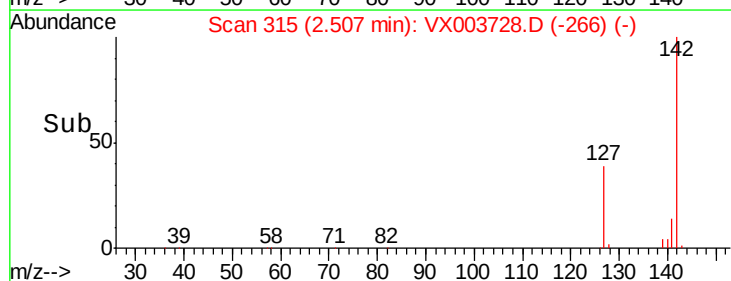
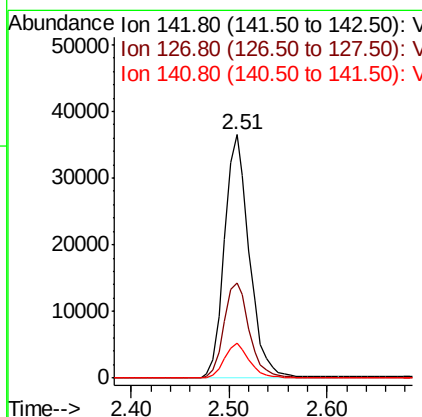
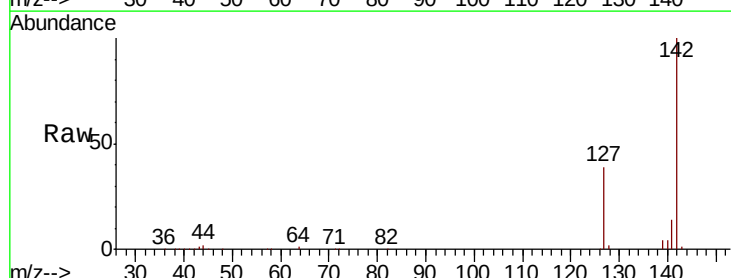
RT: 2.51 min Scan# 315

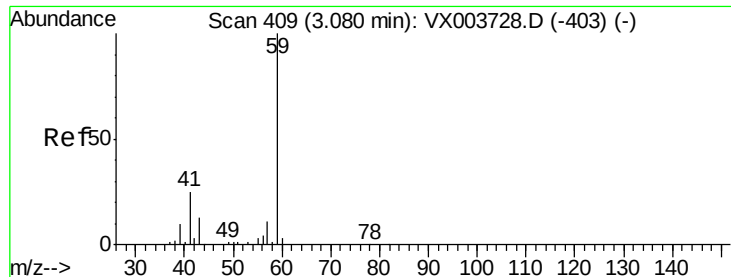
Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Tgt Ion:	142	Resp:	64733
Ion Ratio	Lower	Upper	
142	100		
127	40.0	32.0	48.0
141	14.1	11.3	16.9





#11

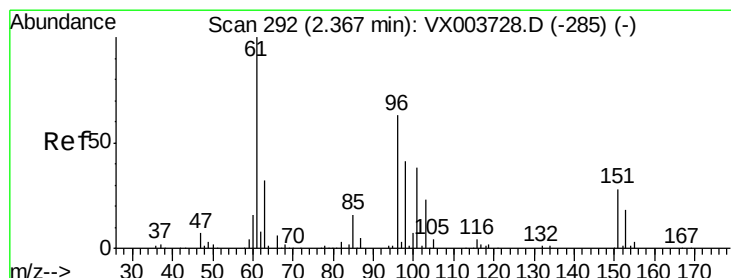
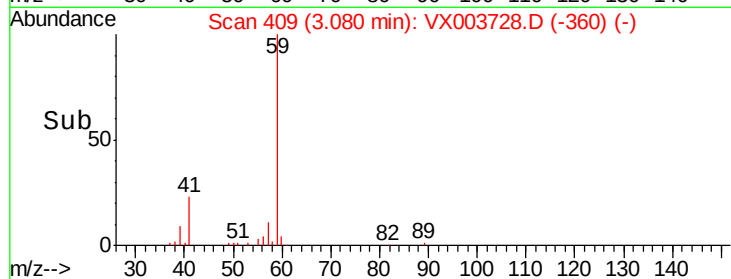
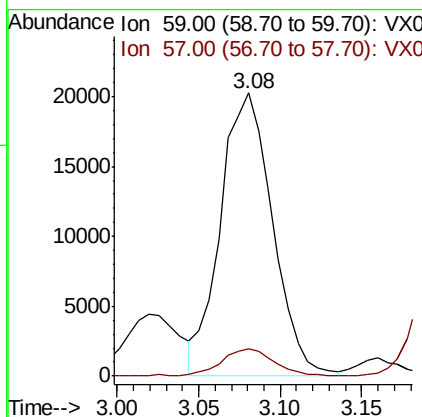
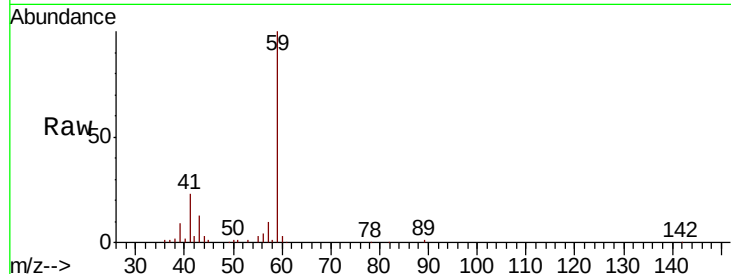
Tert butyl alcohol
 Concen: 242.20 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	Resp	45124
Ion Ratio	100	Lower	Upper
57	10.1	8.1	12.1

Manual Integrations
 APPROVED

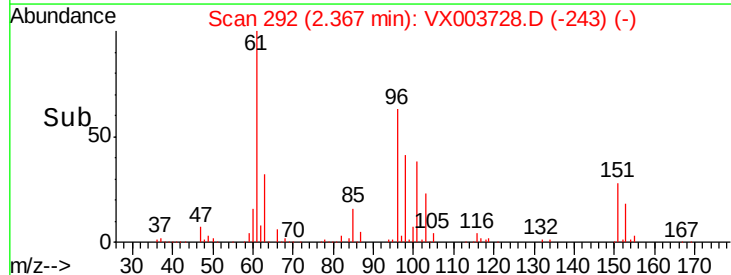
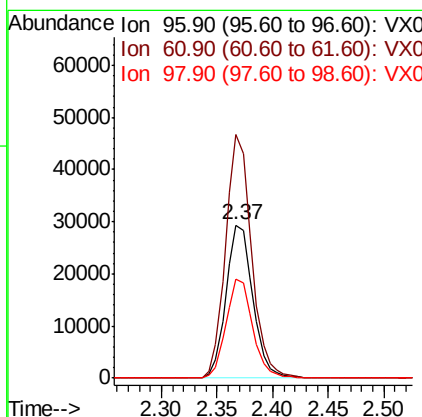
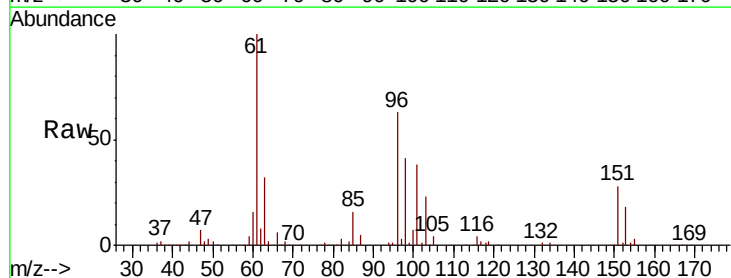
MMDadoda
 8/1/2018 10:40:08 AM

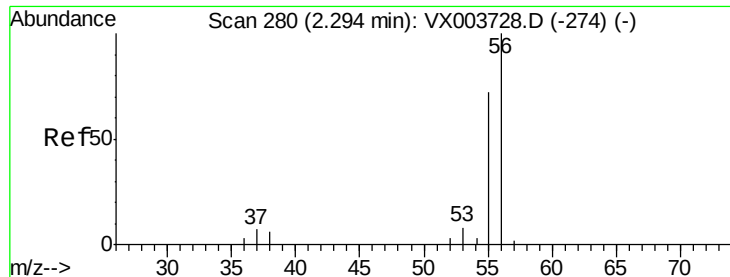


#12

1,1-Dichloroethene
 Concen: 44.48 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Tgt Ion	96	Resp	48938
Ion Ratio	100	Lower	Upper
61	158.9	127.1	190.7
98	65.0	52.0	78.0





#13

Acrolein

Concen: 153.00 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 9326

Ion Ratio Lower Upper

56 100

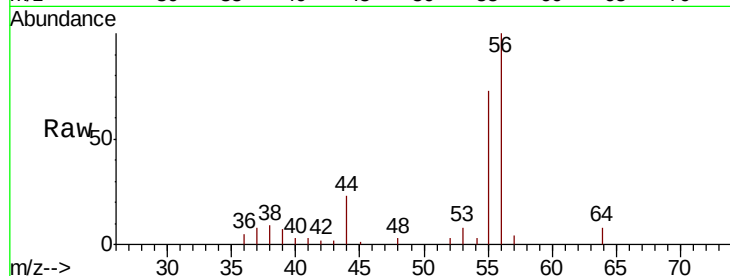
55 76.7 61.4 92.0

Manual Integrations

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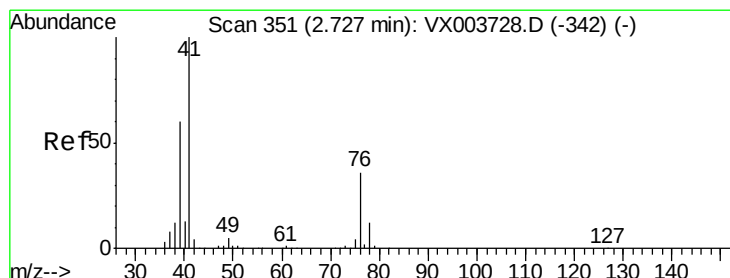
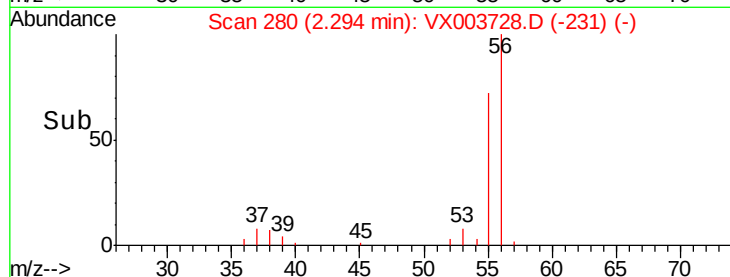
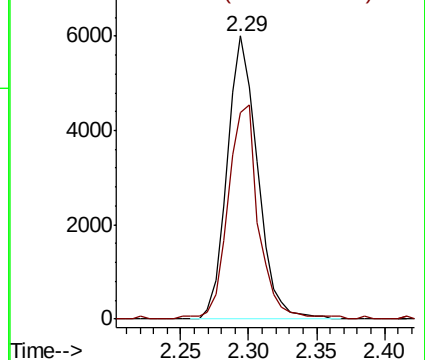
MMDadoda

8/1/2018 10:40:08 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.99 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

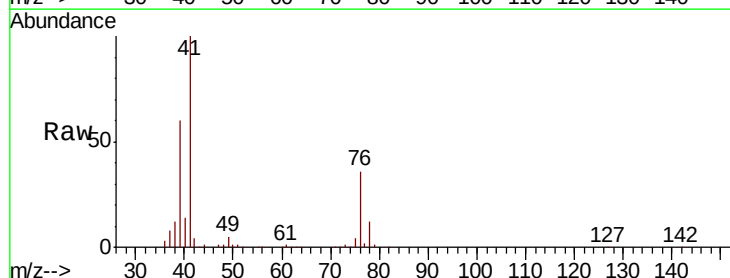
Tgt Ion: 41 Resp: 90115

Ion Ratio Lower Upper

41 100

39 59.6 47.7 71.5

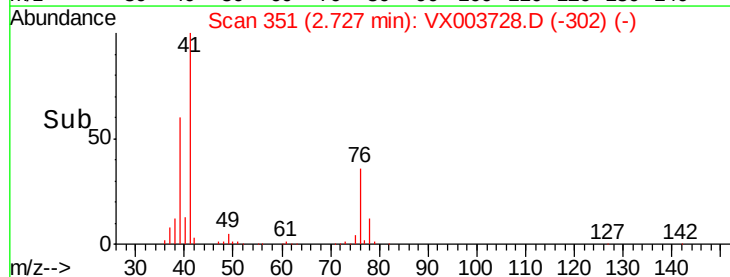
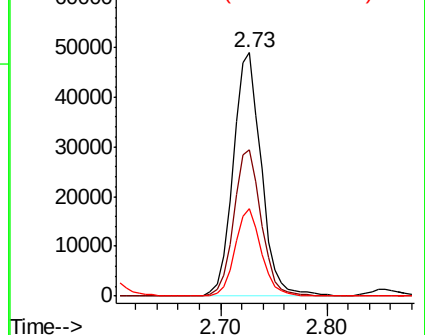
76 33.8 27.0 40.6

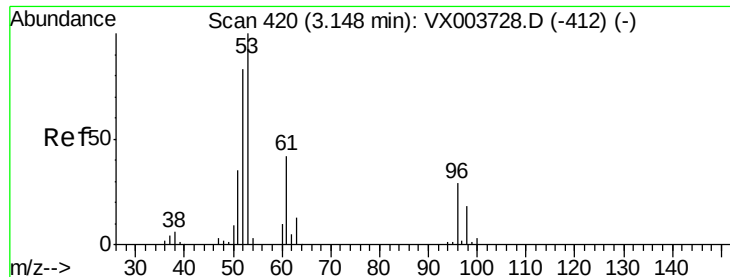


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 245.91 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

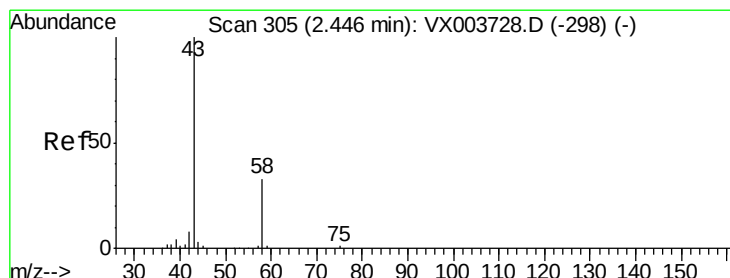
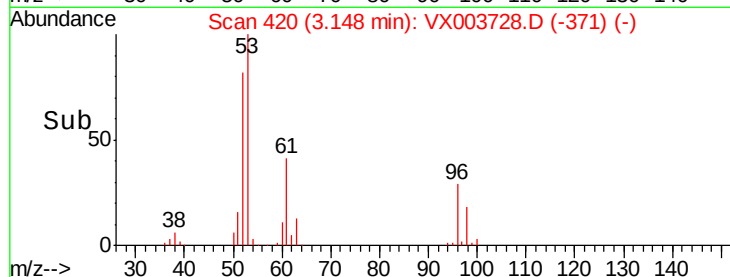
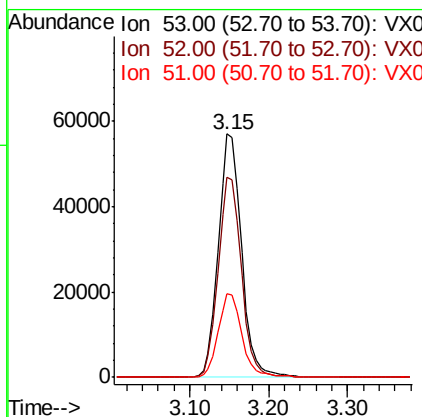
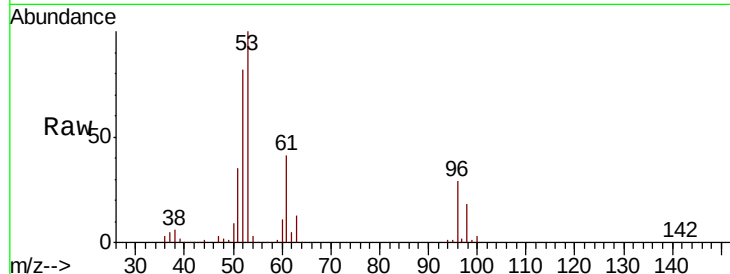
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	116515
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	35.6	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 253.89 ug/l

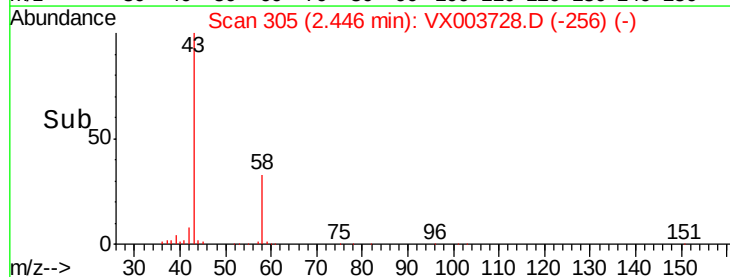
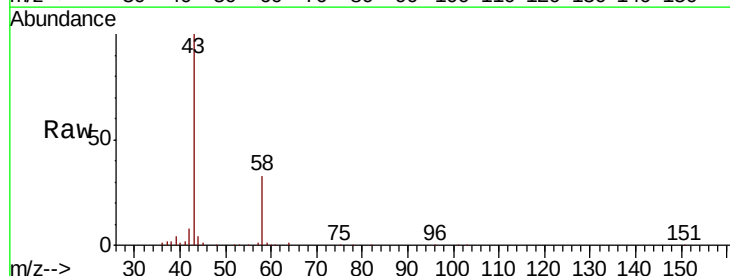
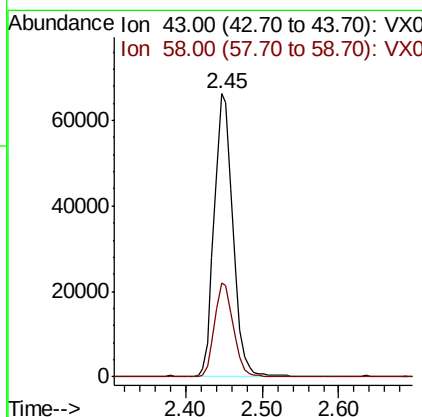
RT: 2.45 min Scan# 305

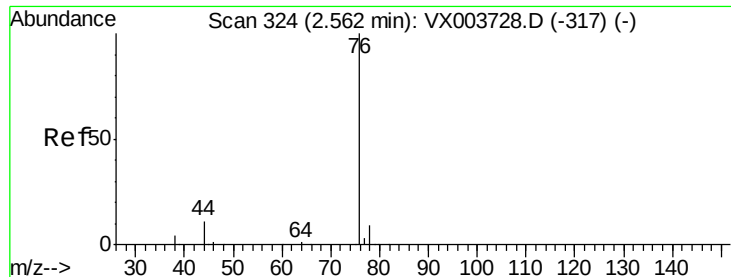
Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Tgt Ion:	43	Resp:	111583
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.7	40.1





#17

Carbon Disulfide

Concen: 47.31 ug/l

RT: 2.56 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 156521

Ion Ratio Lower Upper

76 100

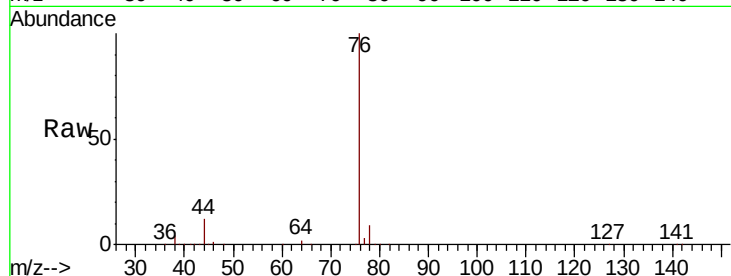
78 9.1 7.3 10.9

Manual Integrations

APPROVED

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8/1/2018 10:40:08 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

100000

80000

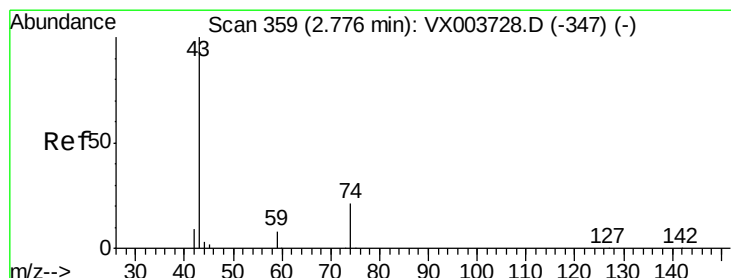
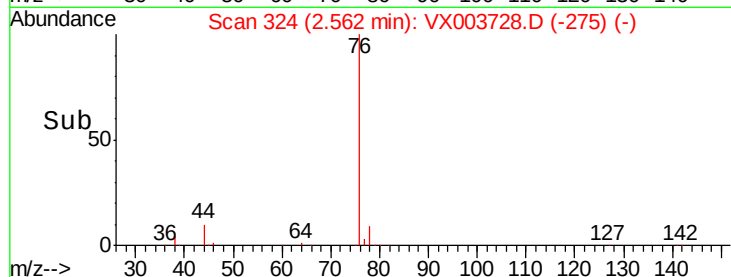
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 49.99 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX003728.D

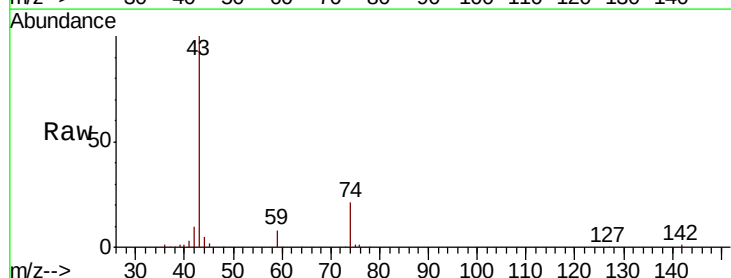
Acq: 30 Jul 2018 17:15

Tgt Ion: 43 Resp: 61744

Ion Ratio Lower Upper

43 100

74 23.6 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

40000

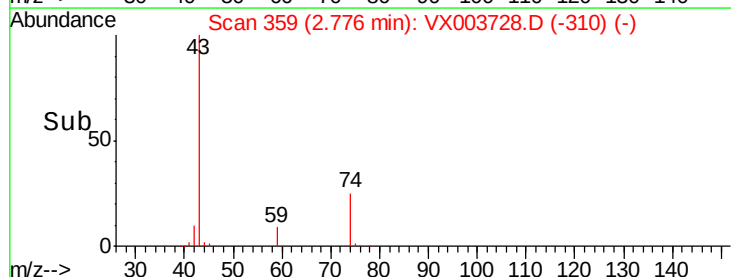
30000

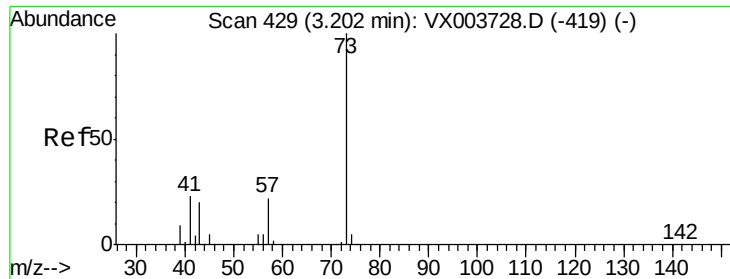
20000

10000

0

Time-->





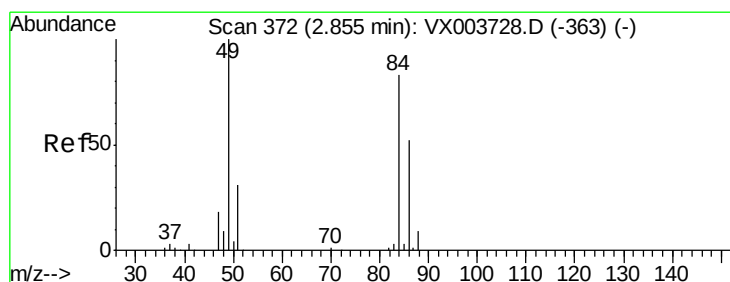
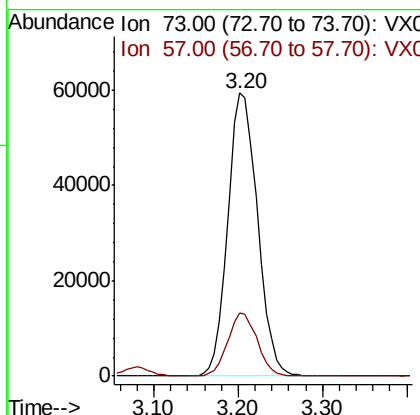
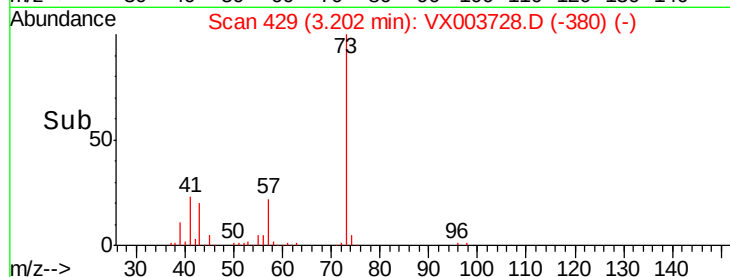
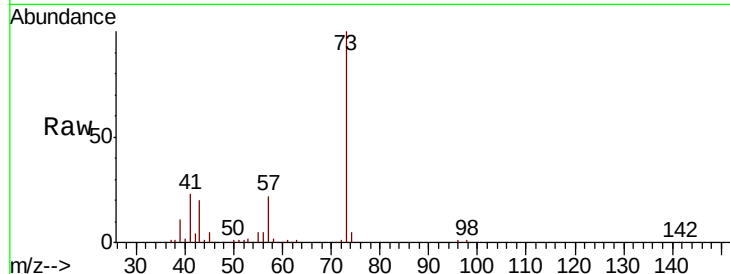
#19
Methyl tert-butyl Ether
Concen: 51.40 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 142272
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

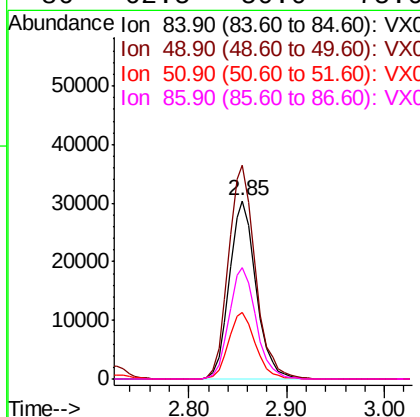
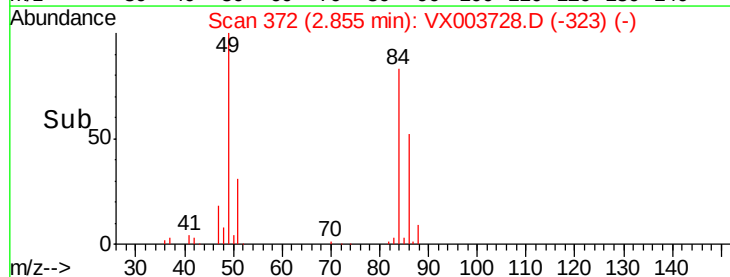
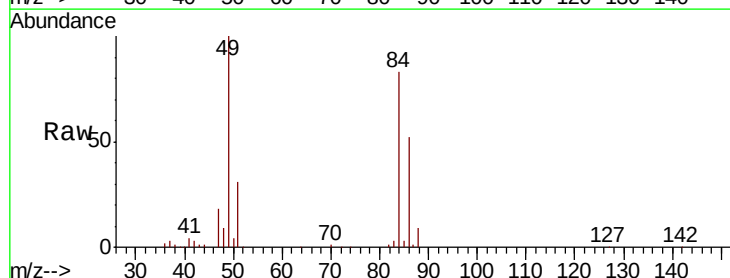
Manual Integrations
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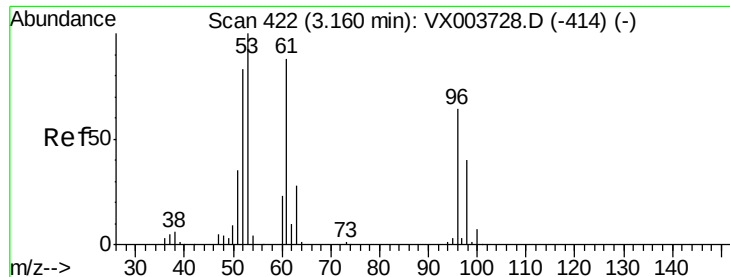
MMDadoda
8/1/2018 10:40:08 AM



#20
Methylene Chloride
Concen: 42.61 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion: 84 Resp: 57409
Ion Ratio Lower Upper
84 100
49 119.8 95.8 143.8
51 37.0 29.6 44.4
86 62.5 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 47.71 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

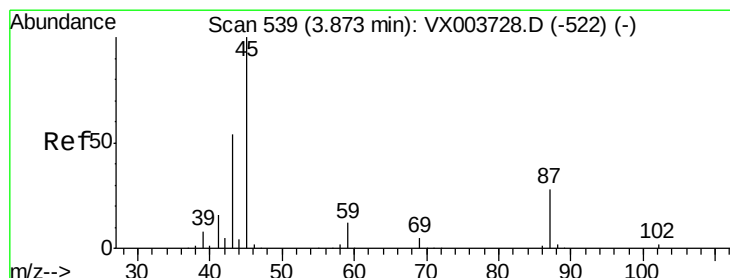
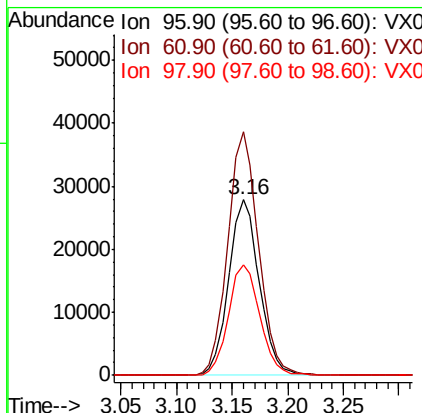
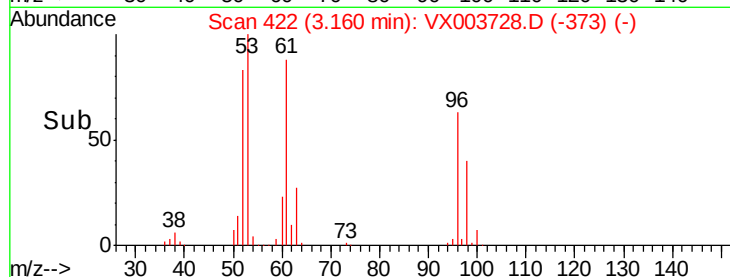
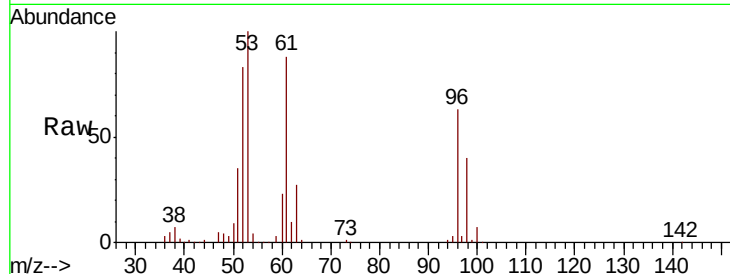
ClientSampled :

VSTDICCC050

Tot Ion:	96	Resp:	53155
Ion	Ratio	Lower	Upper
96	100		
61	138.6	110.9	166.3
98	62.8	50.2	75.4

Manual Integrations
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8/1/2018 10:40:08 AM



#22

Diisopropyl ether

Concen: 50.29 ug/l

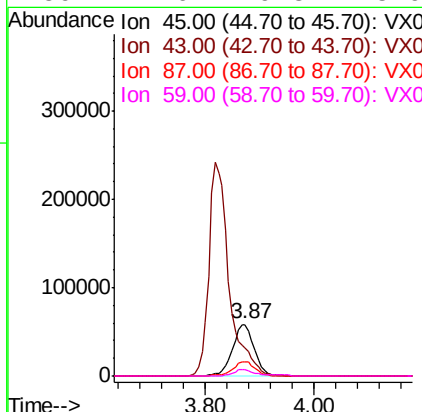
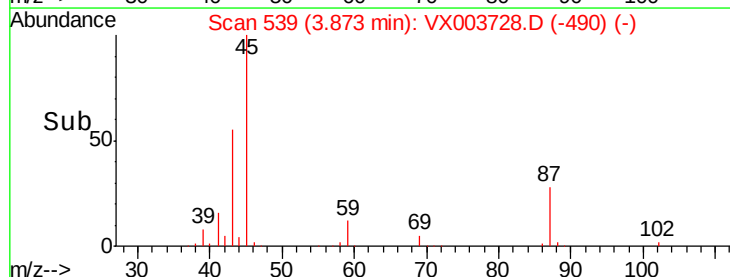
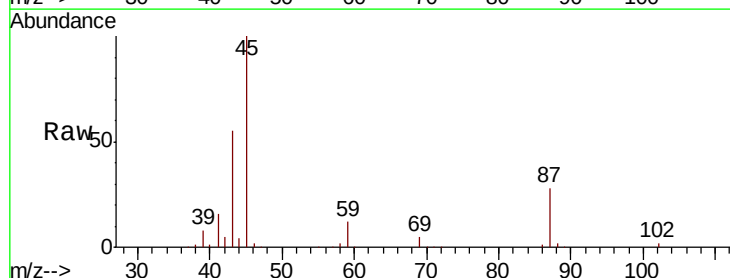
RT: 3.87 min Scan# 539

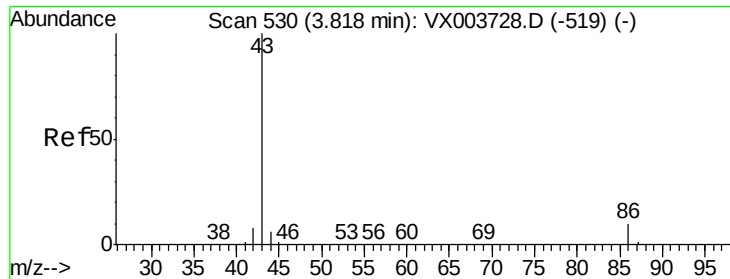
Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Tgt Ion:	45	Resp:	163645
Ion	Ratio	Lower	Upper
45	100		
43	54.4	43.5	65.3
87	28.2	22.6	33.8
59	11.6	9.3	13.9





#23

Vinyl Acetate

Concen: 265.39 ug/l

RT: 3.82 min Scan# 530

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 622831

Ion Ratio Lower Upper

43 100

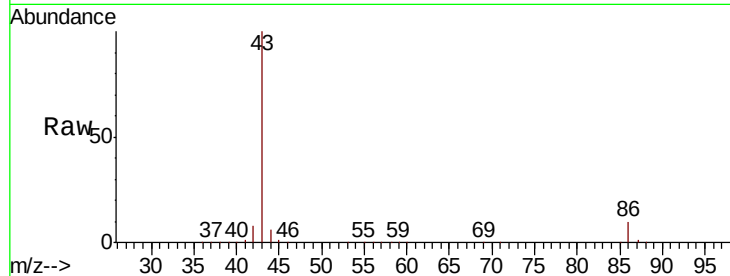
86 10.2 8.2 12.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

100000

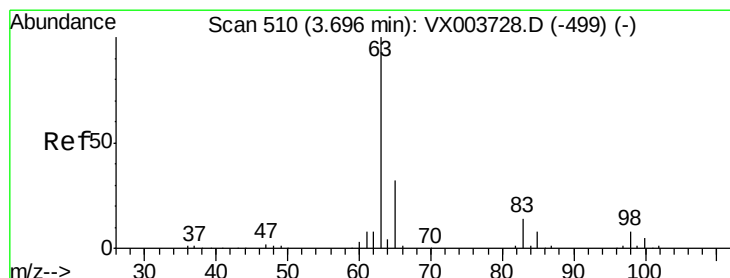
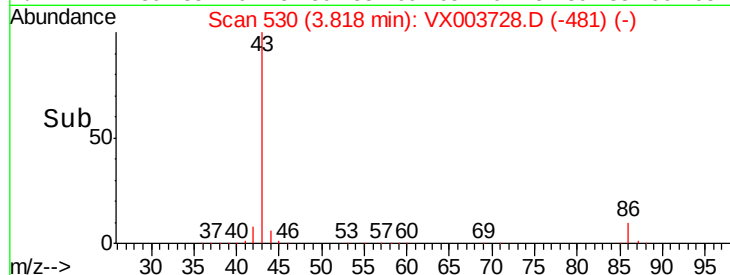
50000

0

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 48.81 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

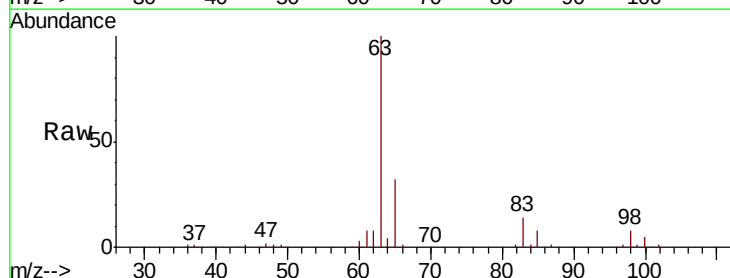
Tgt Ion: 63 Resp: 92628

Ion Ratio Lower Upper

63 100

98 8.0 4.0 12.0

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

20000

10000

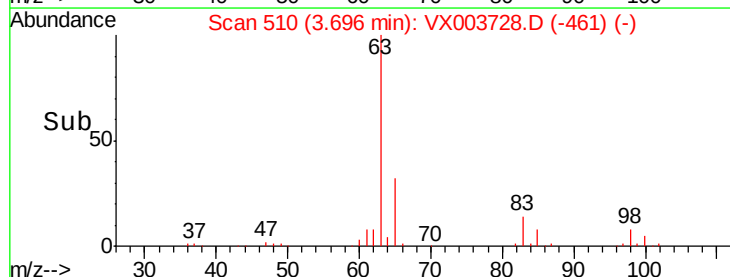
0

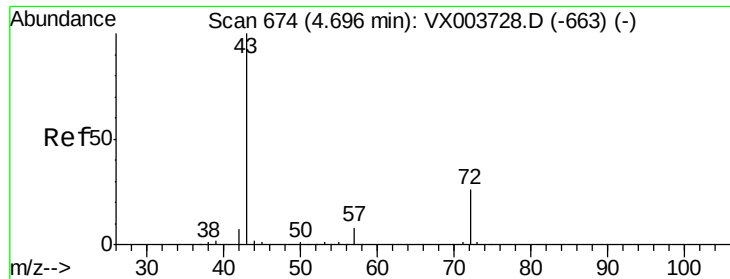
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 249.69 ug/l

RT: 4.70 min Scan# 674

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 159974

Ion Ratio Lower Upper

43 100

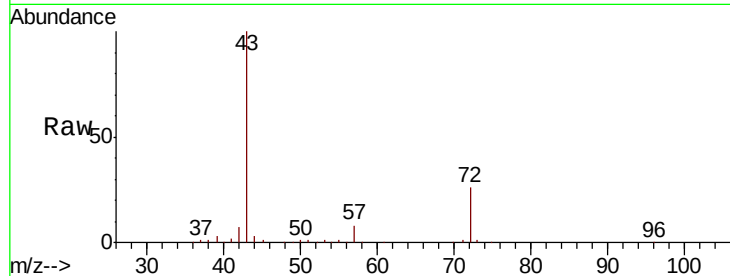
72 26.1 20.9 31.3

Manual Integrations

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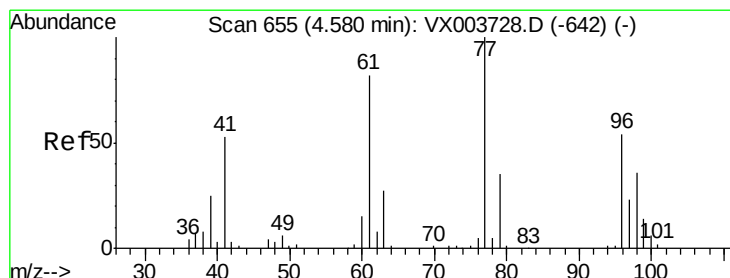
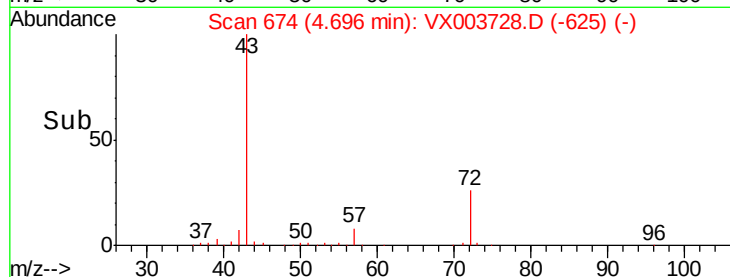
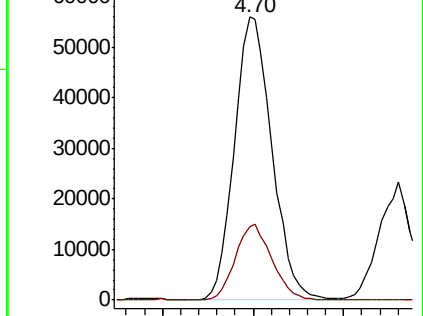
MMDadoda

8/1/2018 10:40:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 48.61 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003728.D

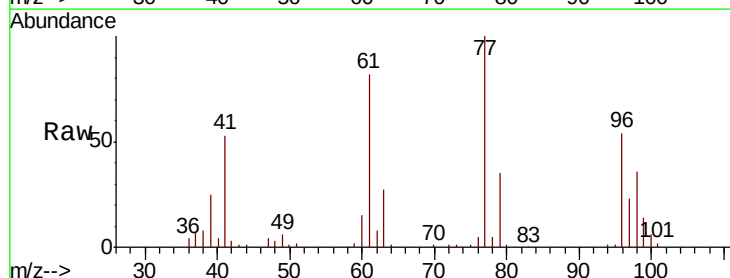
Acq: 30 Jul 2018 17:15

Tgt Ion: 77 Resp: 72655

Ion Ratio Lower Upper

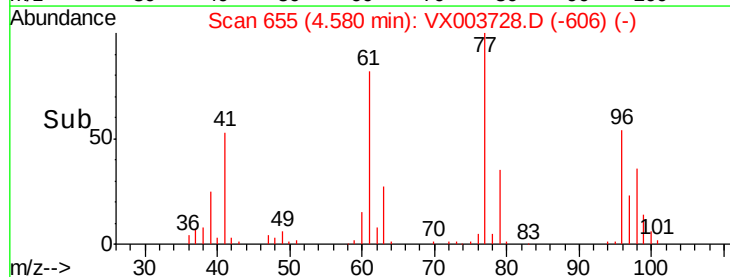
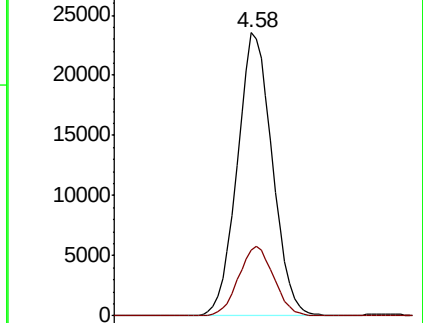
77 100

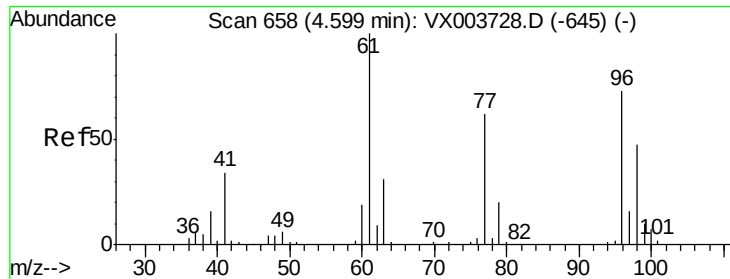
97 24.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

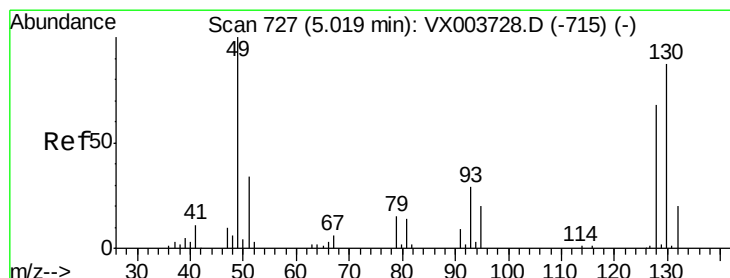
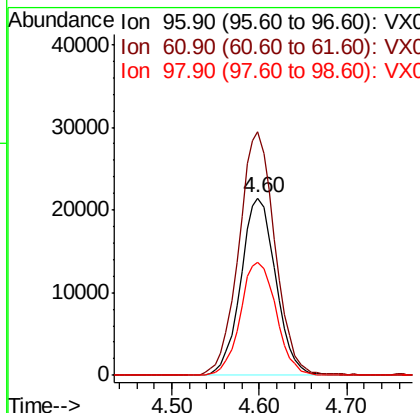
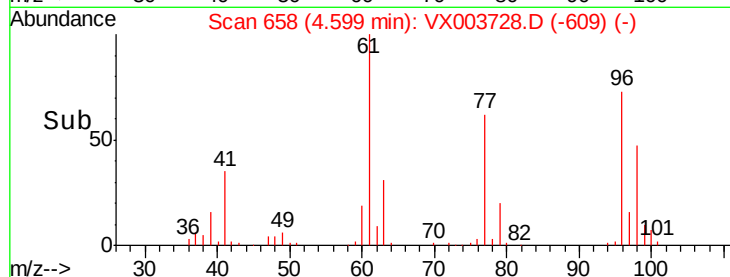
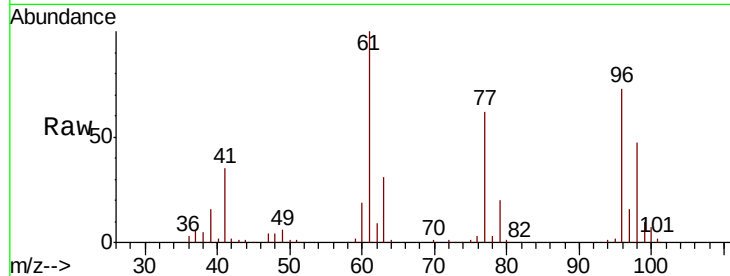
cis-1,2-Dichloroethene
Concen: 49.46 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59389		
61	142.8		0.0	285.6
98	65.5		0.0	131.0

Manual Integrations
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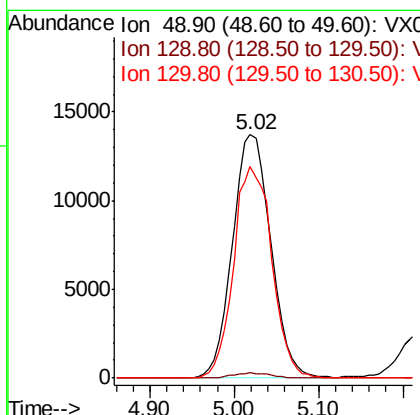
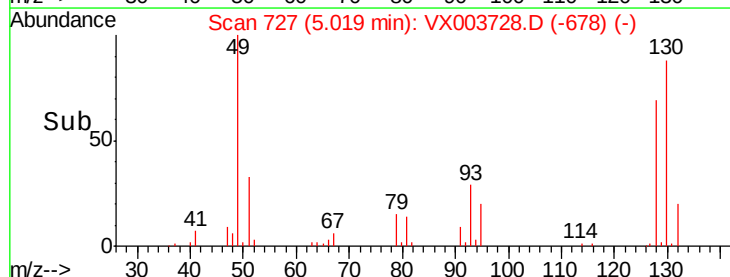
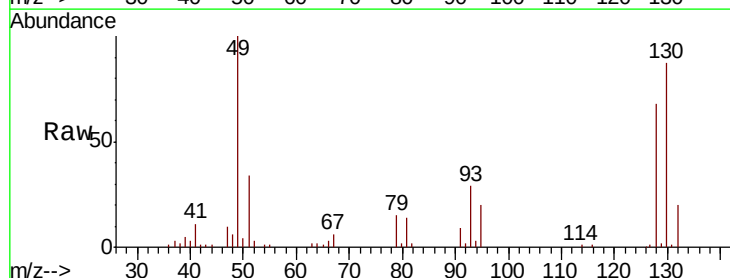
MMDadoda
8/1/2018 10:40:08 AM

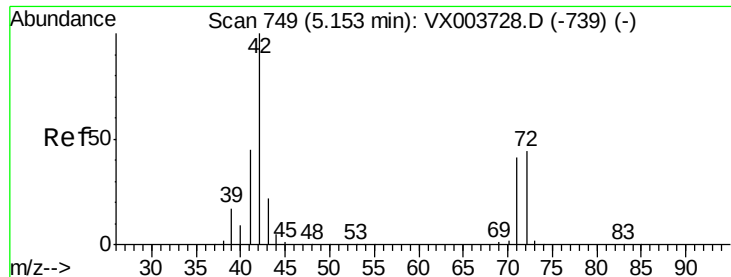


#28

Bromochloromethane
Concen: 49.87 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	42455		
129	2.0		0.0	4.0
130	86.1		68.9	103.3





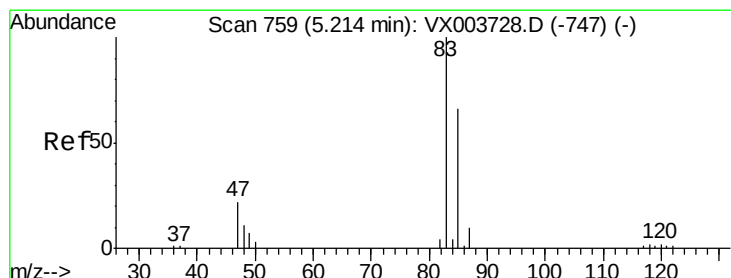
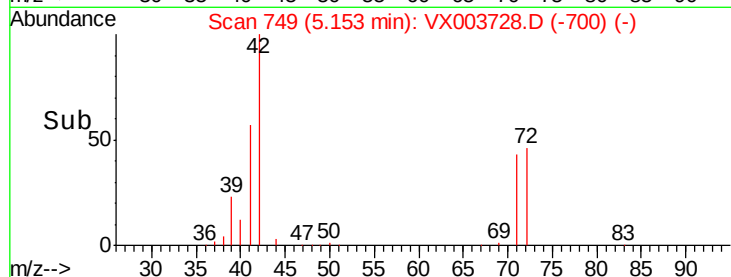
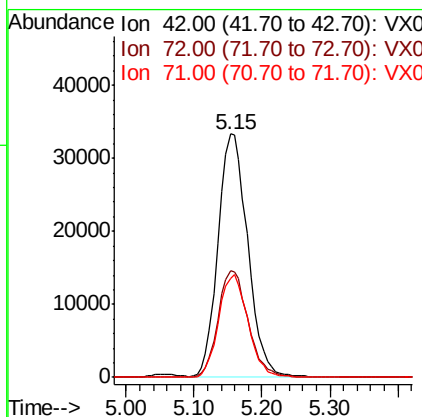
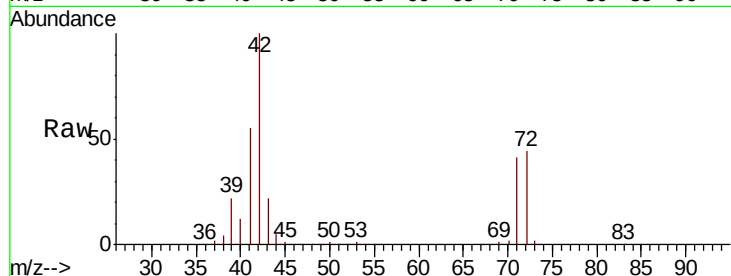
#29
Tetrahydrofuran
Concen: 246.73 ug/l
RT: 5.15 min Scan# 749
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.6	53.4
71	41.7	33.4	50.0

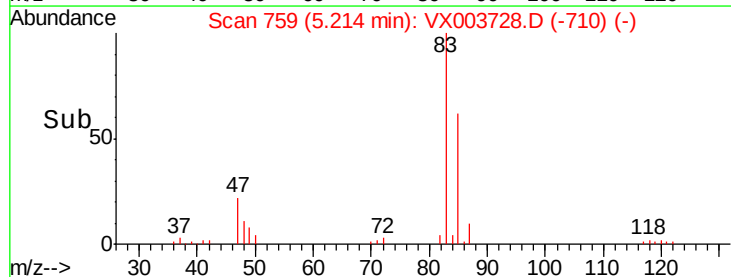
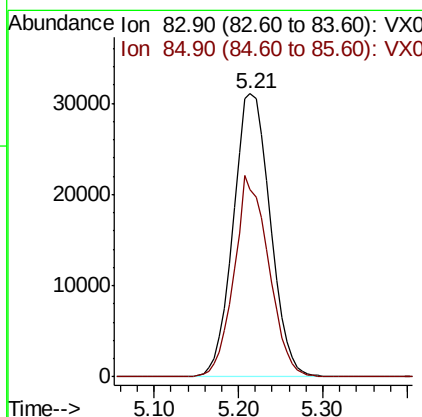
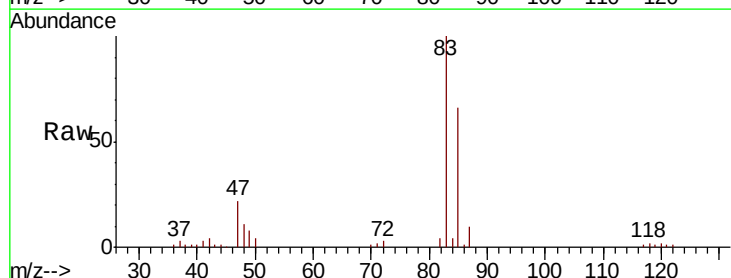
Manual Integrations
APPROVED

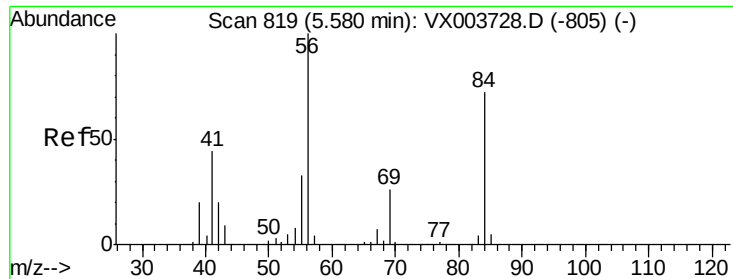
MMDadoda
8/1/2018 10:40:08 AM



#30
Chloroform
Concen: 49.40 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.8	79.2





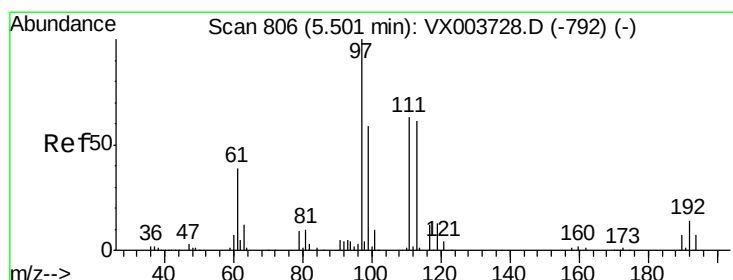
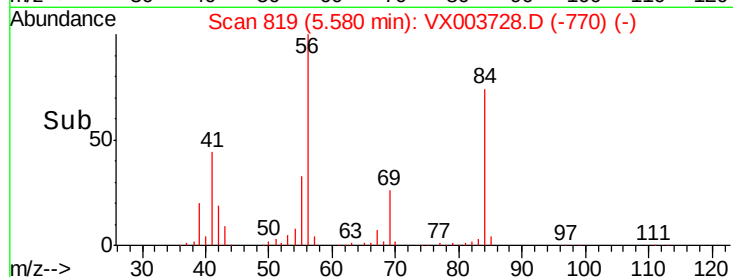
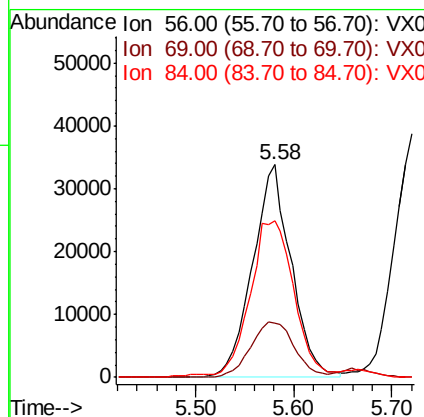
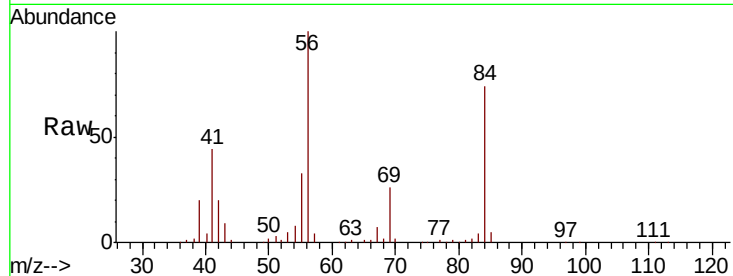
#31
Cyclohexane
Concen: 50.37 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.7	20.6	30.8
84	72.4	57.9	86.9

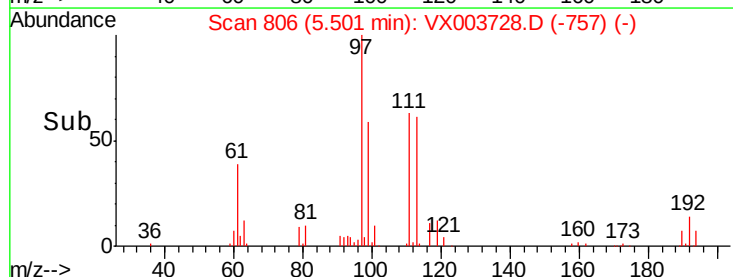
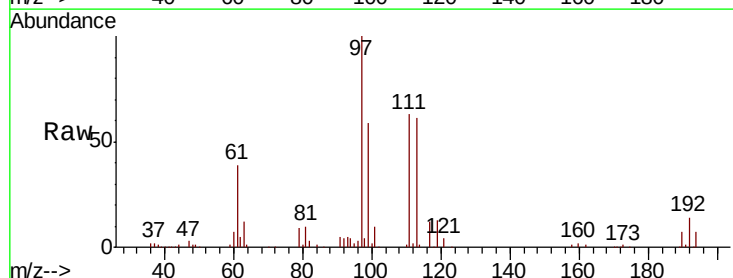
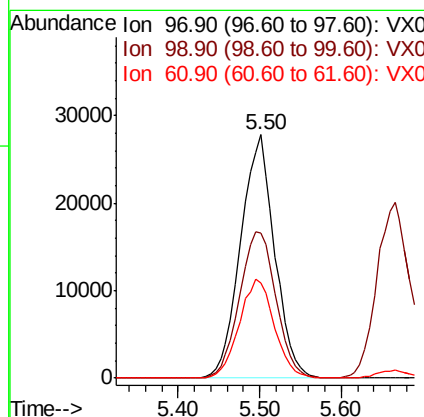
Manual Integrations
APPROVED

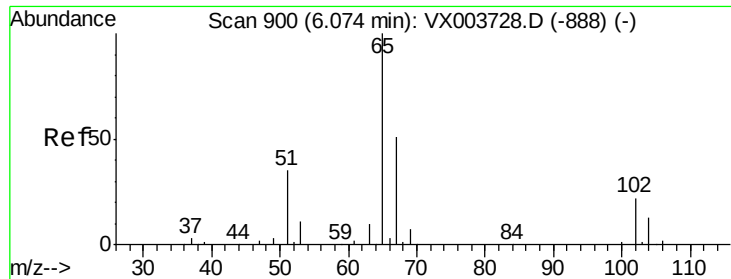
MMDadoda
8/1/2018 10:40:08 AM



#32
1,1,1-Trichloroethane
Concen: 50.14 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	41.8	33.4	50.2





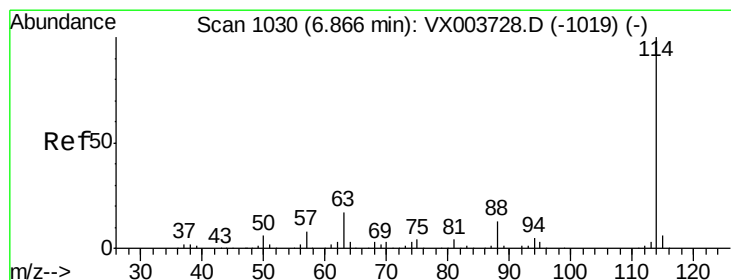
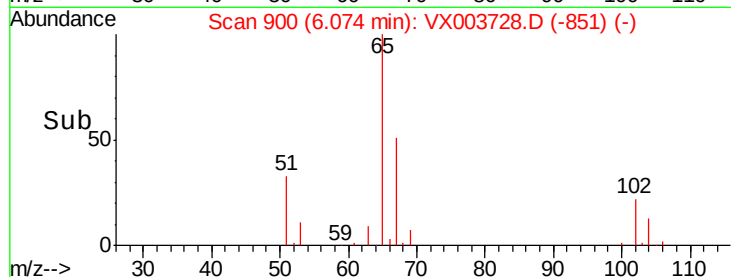
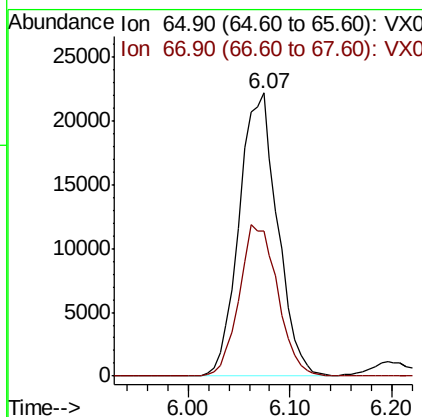
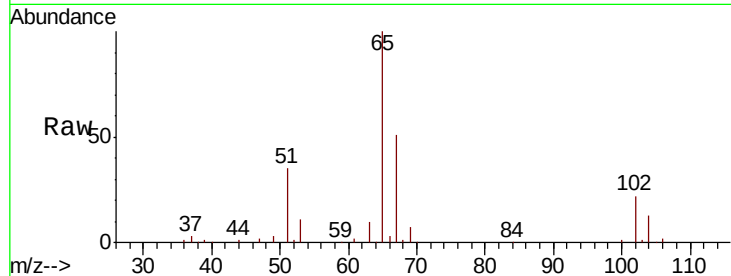
#33
 1,2-Dichloroethane-d4
 Concen: 50.43 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.0

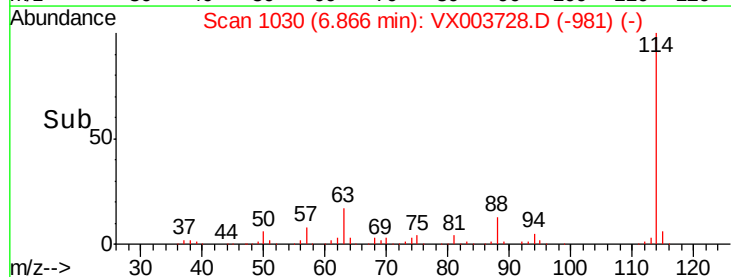
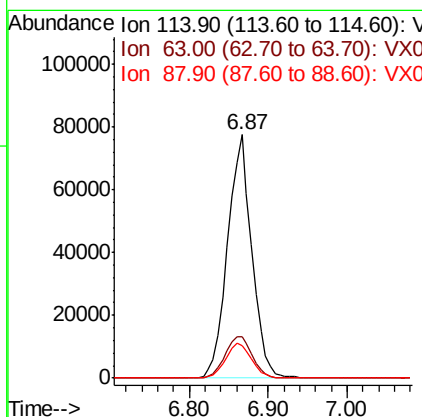
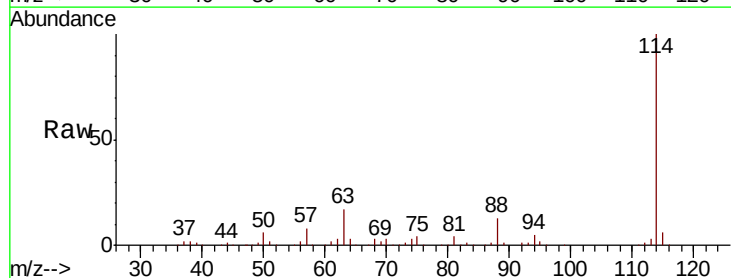
Manual Integrations
 APPROVED

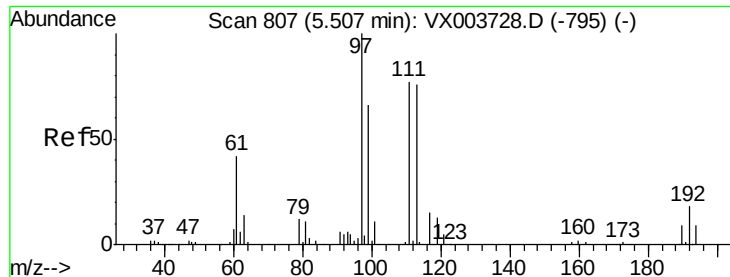
MMDadoda
 8/1/2018 10:40:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	34.0
88	13.2	0.0	26.4





#35

Dibromofluoromethane

Concen: 50.29 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

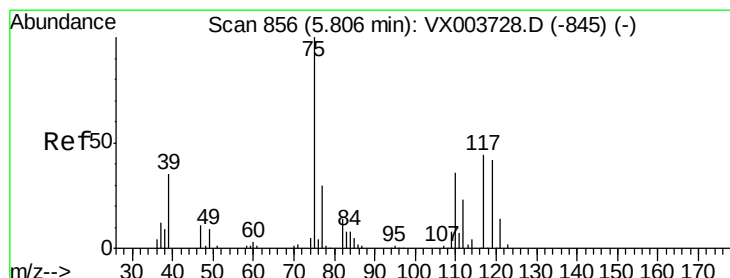
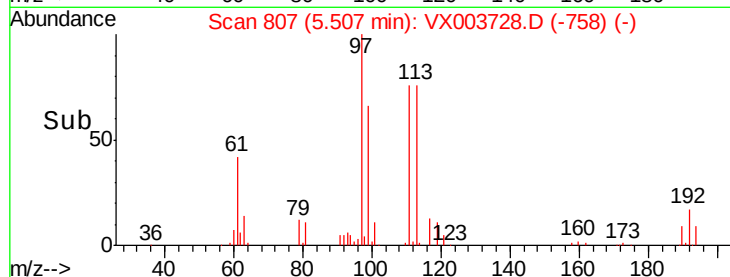
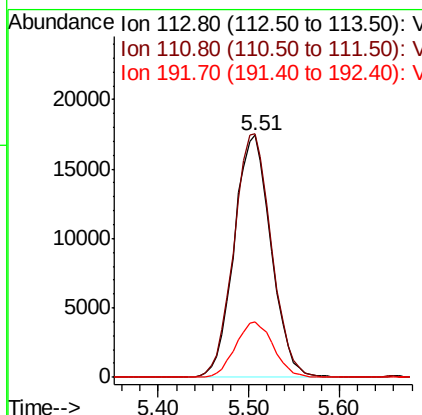
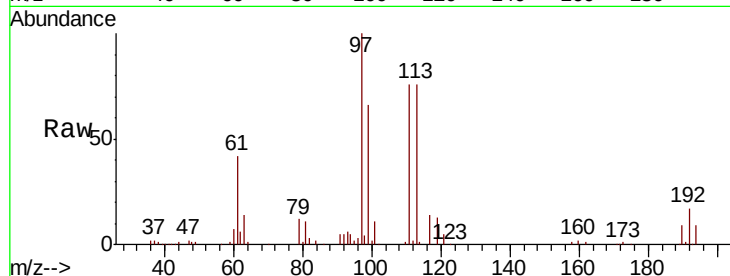
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	49147
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	23.5	18.8	28.2

Manual Integrations
APPROVED

MMDadoda
8/1/2018 10:40:08 AM



#36

1,1-Dichloropropene

Concen: 48.71 ug/l

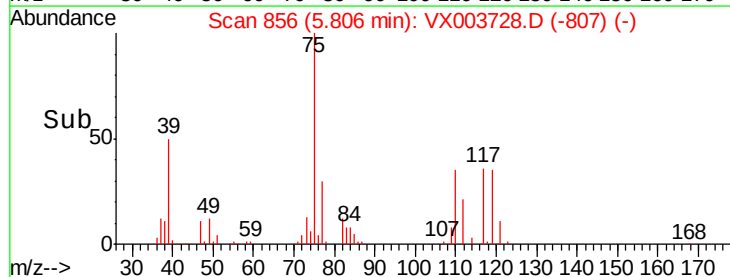
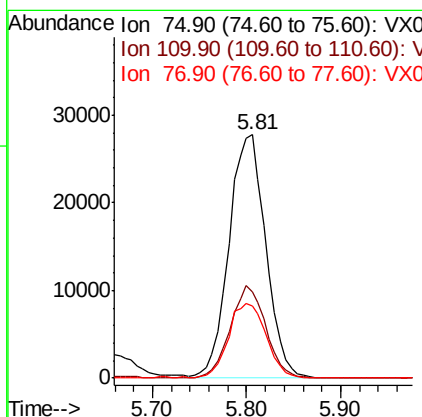
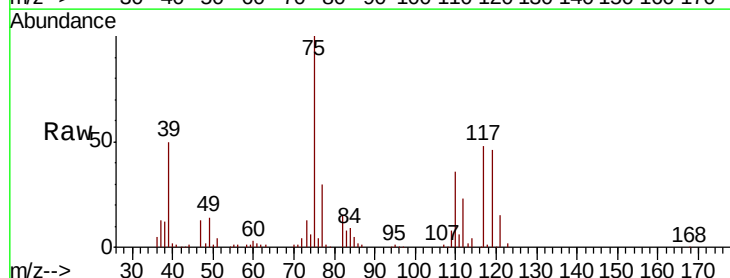
RT: 5.81 min Scan# 856

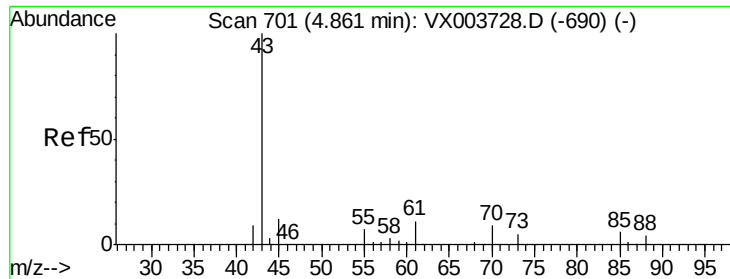
Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Tgt Ion:	75	Resp:	75706
Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.3	54.8
77	31.4	25.1	37.7





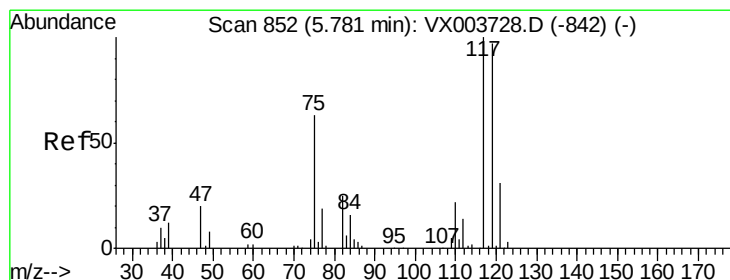
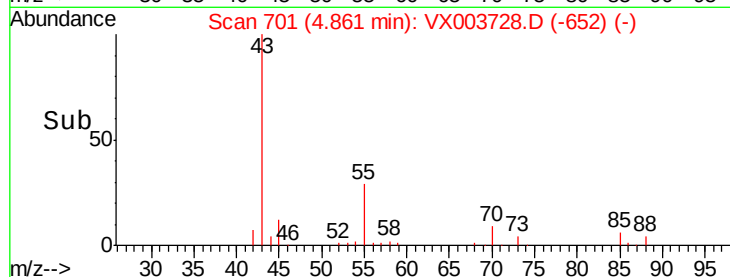
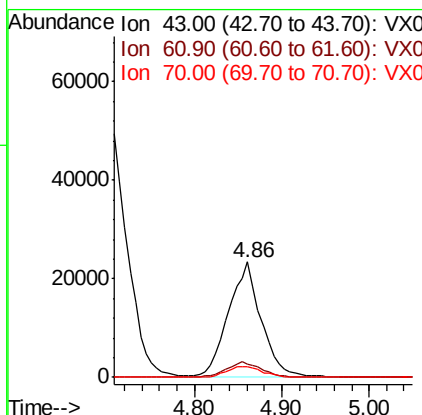
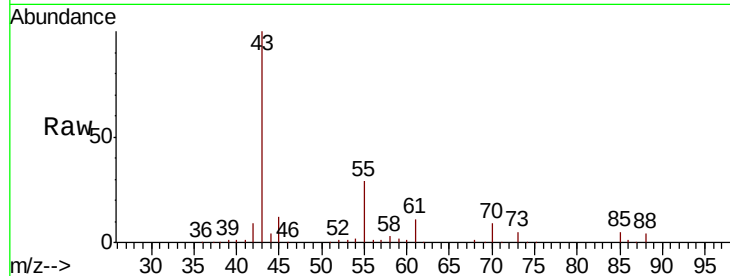
#37
Ethyl Acetate
Concen: 50.49 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	10.2	8.2	12.2

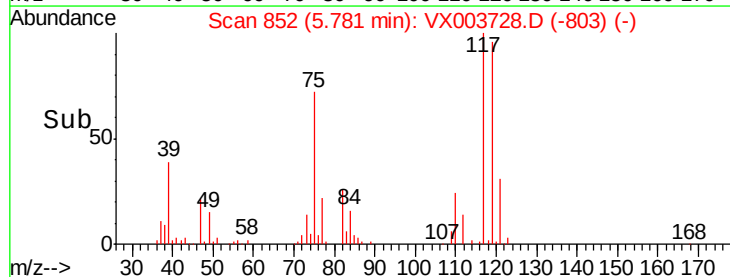
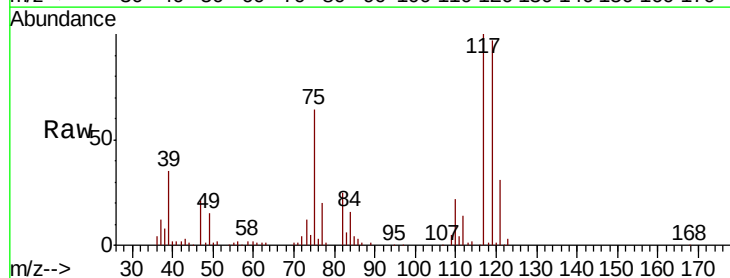
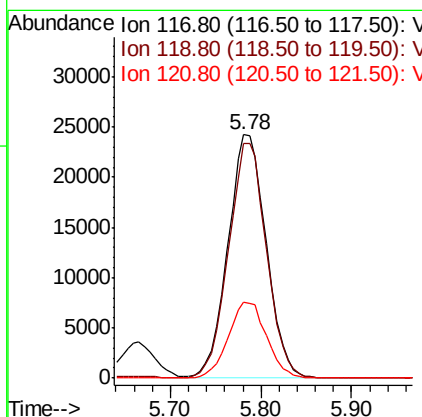
Manual Integrations
APPROVED

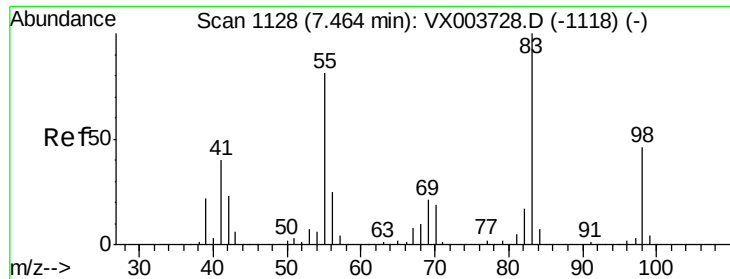
MMDadoda
8/1/2018 10:40:08 AM



#38
Carbon Tetrachloride
Concen: 49.23 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	31.2	25.0	37.4





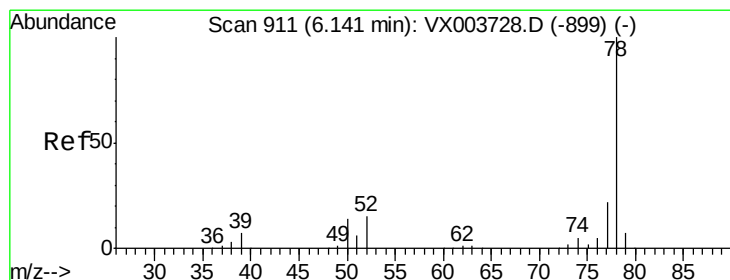
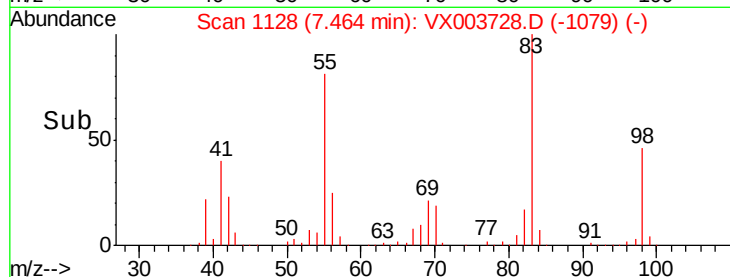
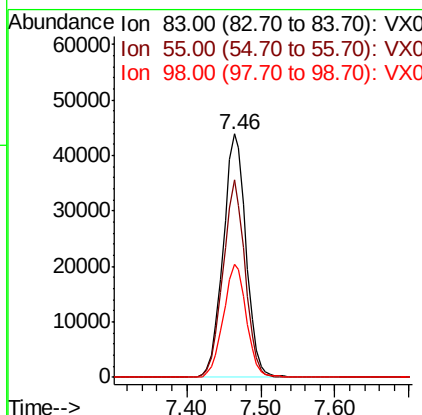
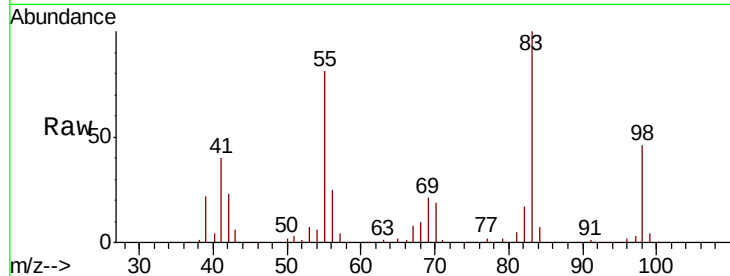
#39
Methylvlcyclohexane
Concen: 49.33 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	65.0	97.6
98	46.4	37.1	55.7

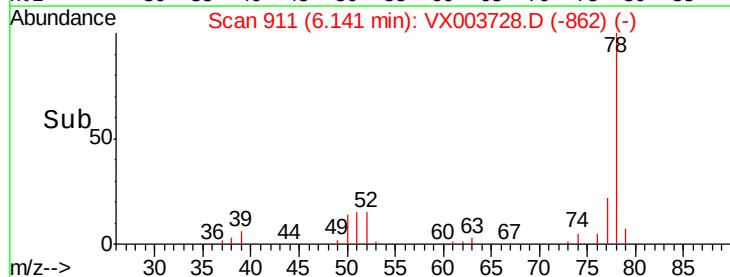
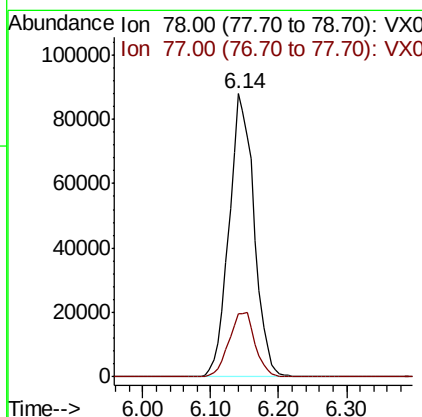
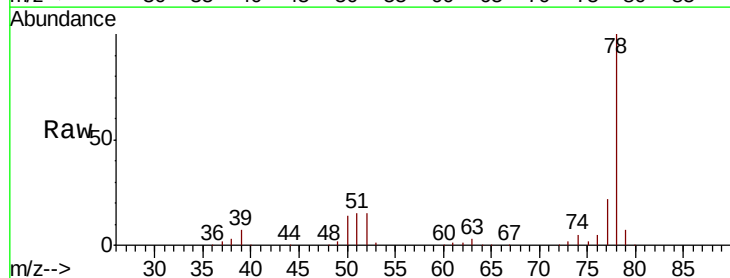
Manual Integrations
APPROVED

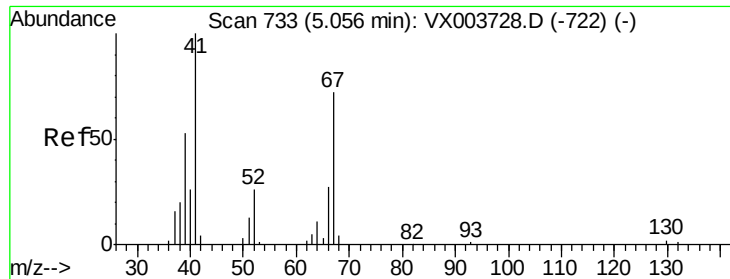
MMDadoda
8/1/2018 10:40:08 AM



#40
Benzene
Concen: 50.31 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	17.9	26.9





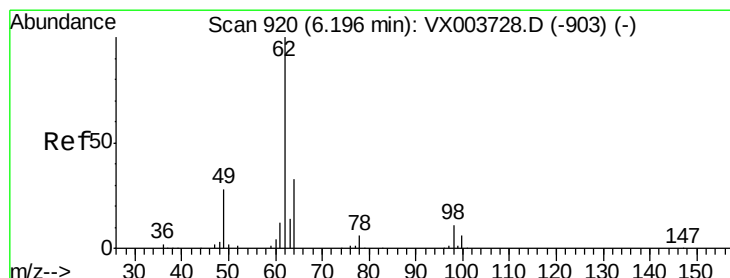
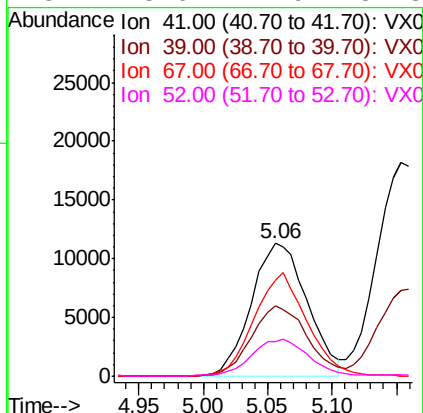
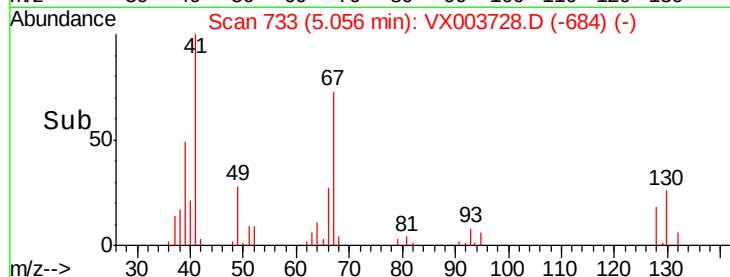
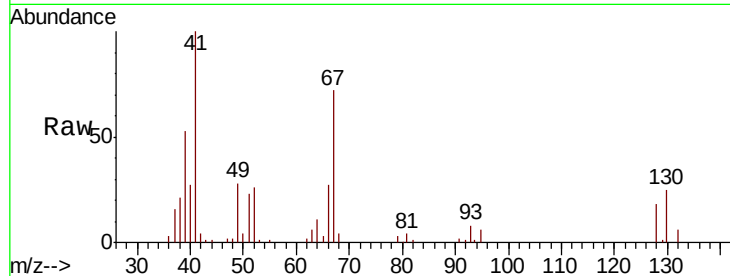
#41
Methacrylonitrile
Concen: 50.61 ug/l
RT: 5.06 min Scan# 733
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion:	41	Resp:	34056
Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.6	64.0
67	73.6	58.9	88.3
52	28.6	22.9	34.3

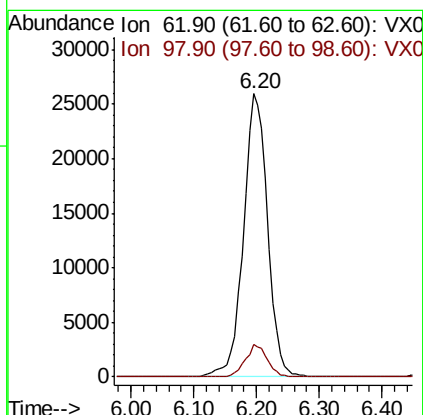
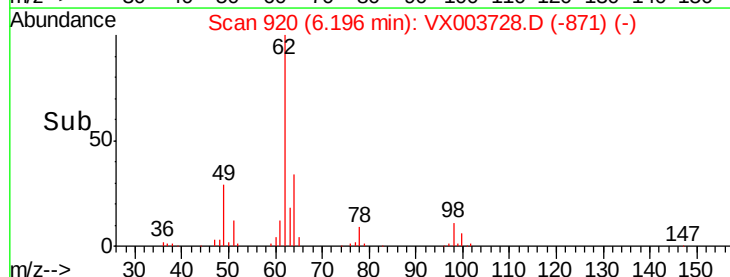
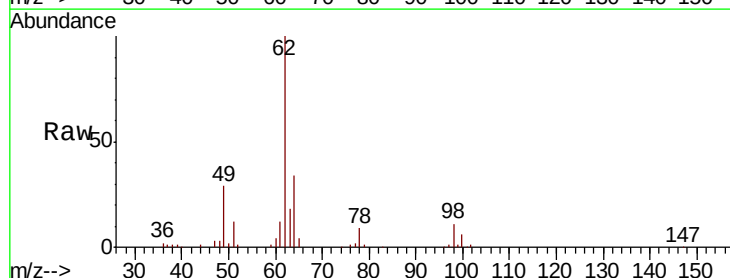
Manual Integrations
APPROVED

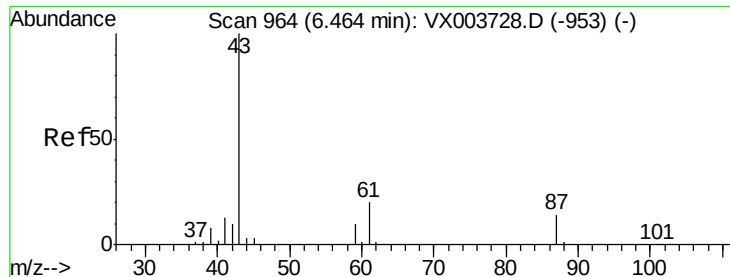
MMDadoda
8/1/2018 10:40:08 AM



#42
1,2-Dichloroethane
Concen: 51.07 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion:	62	Resp:	68706
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4





#43

Isopropyl Acetate

Concen: 51.29 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

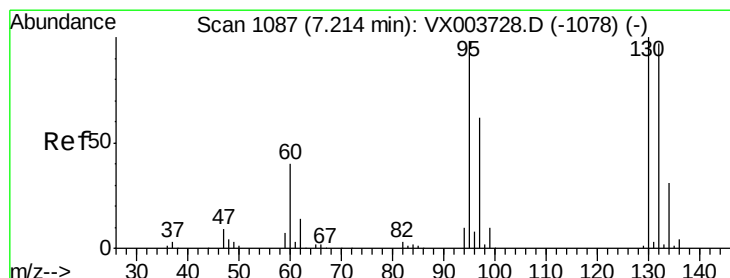
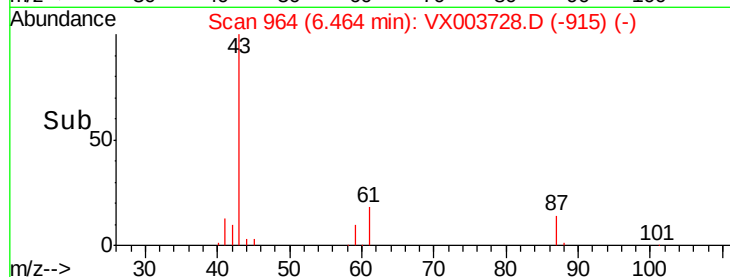
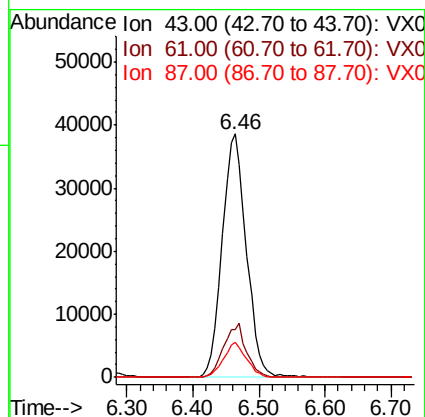
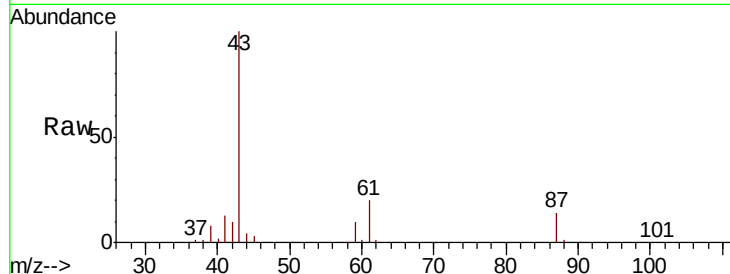
ClientSampled :

VSTDICCC050

Tot Ion:	43	Resp:	97571
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.5	24.7
87	13.4	10.7	16.1

Manual Integrations
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8/1/2018 10:40:08 AM



#44

Trichloroethene

Concen: 48.10 ug/l

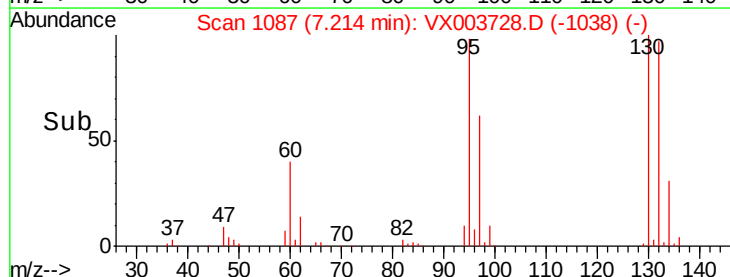
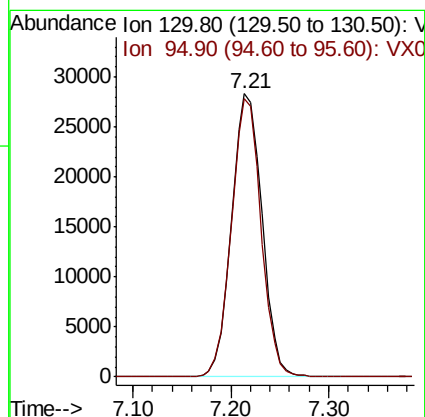
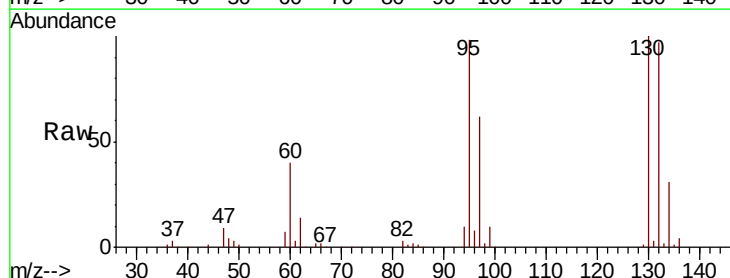
RT: 7.21 min Scan# 1087

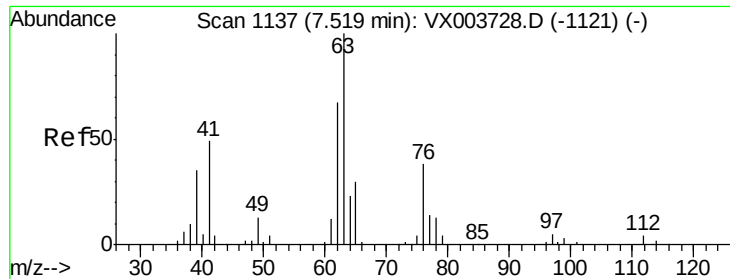
Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Tgt Ion:	130	Resp:	61119
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	196.2





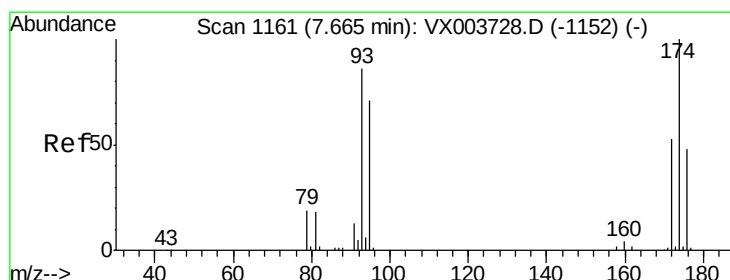
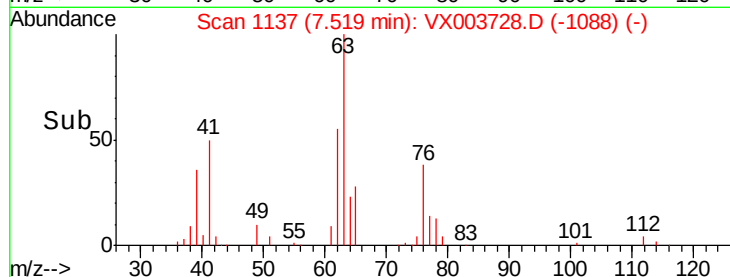
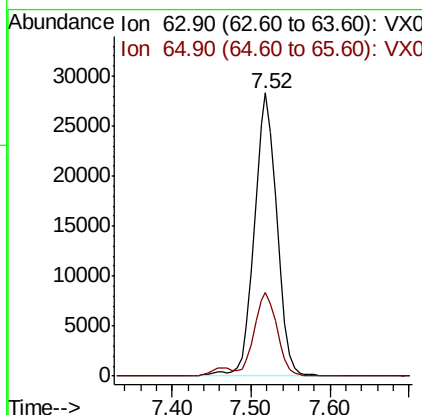
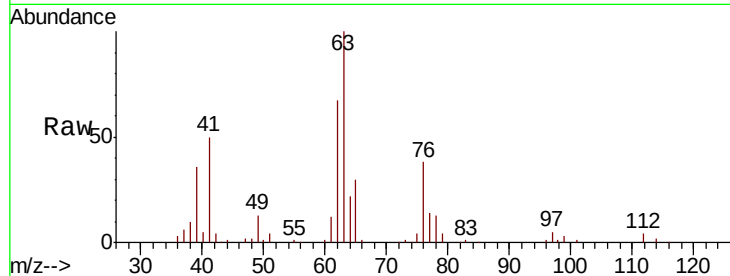
#45
1,2-Dichloropropane
Concen: 51.32 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 63 Resp: 56209
Ion Ratio Lower Upper
63 100
65 29.6 23.7 35.5

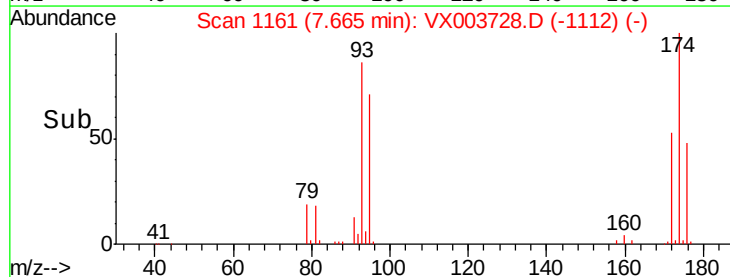
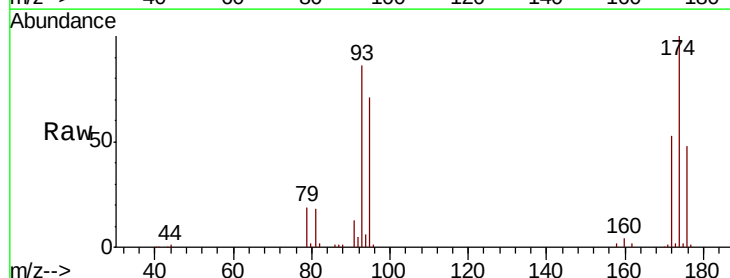
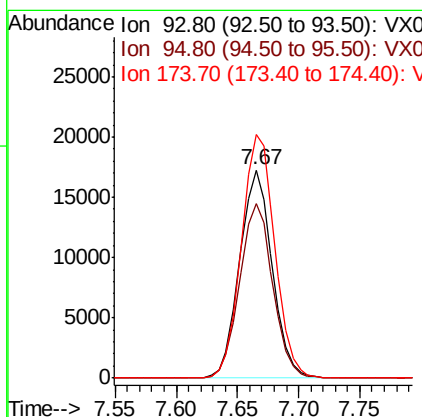
Manual Integrations
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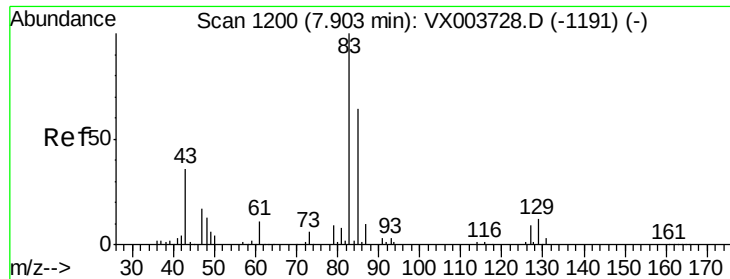
MMDadoda
8/1/2018 10:40:08 AM



#46
Dibromomethane
Concen: 50.51 ug/l
RT: 7.67 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion: 93 Resp: 31878
Ion Ratio Lower Upper
93 100
95 85.1 68.1 102.1
174 120.3 96.2 144.4





#47

Bromodichloromethane

Concen: 51.84 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

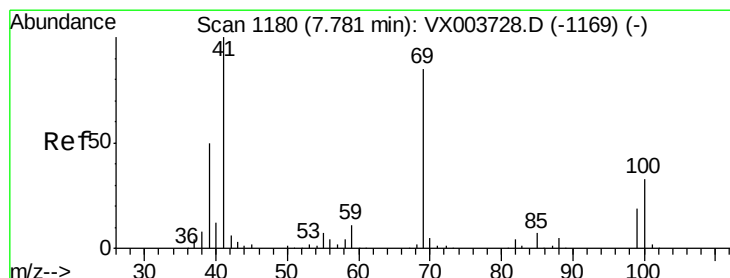
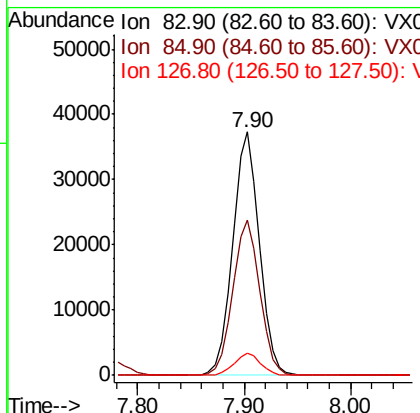
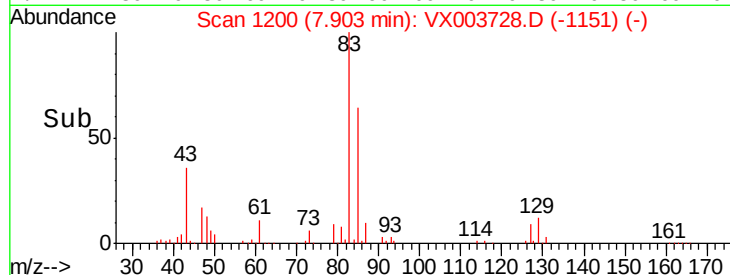
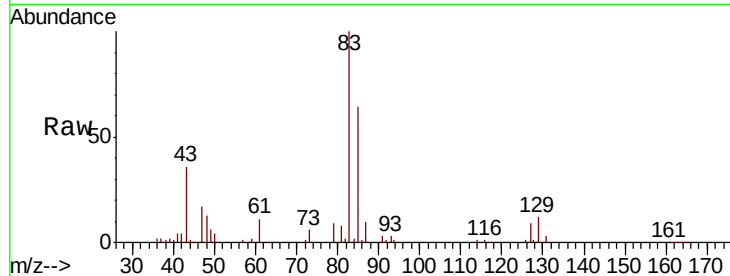
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	65199
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.9	7.1	10.7

Manual Integrations
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MMDadoda
8/1/2018 10:40:08 AM



#48

Methyl methacrylate

Concen: 52.27 ug/l

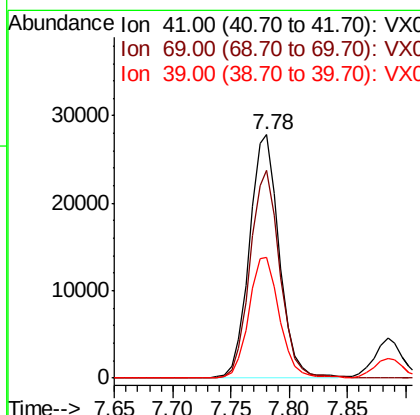
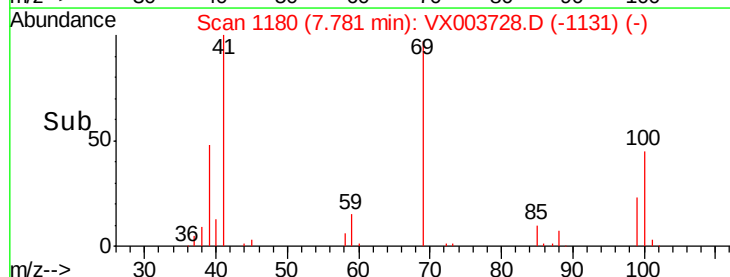
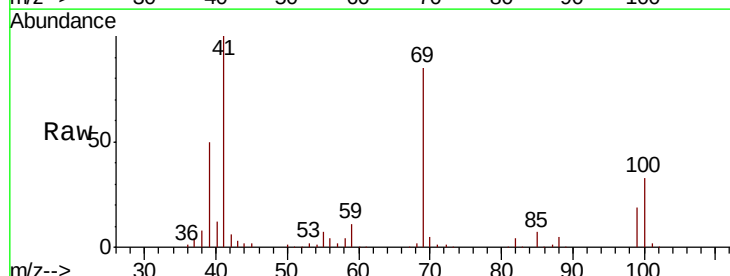
RT: 7.78 min Scan# 1180

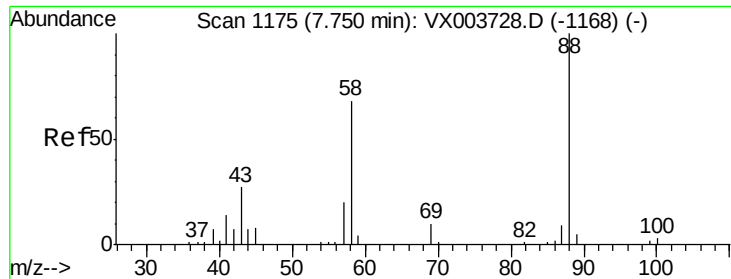
Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Tgt Ion:	41	Resp:	49874
Ion	Ratio	Lower	Upper
41	100		
69	85.9	68.7	103.1
39	51.0	40.8	61.2





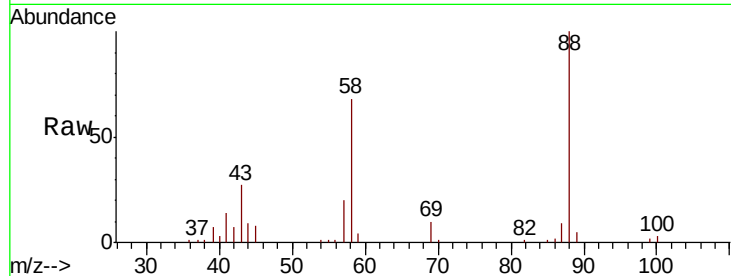
#49
1,4-Dioxane
Concen: 988.89 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.0	39.0
58	71.4	57.1	85.7

Manual Integrations
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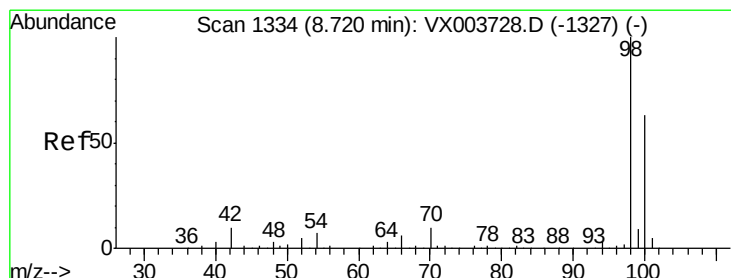
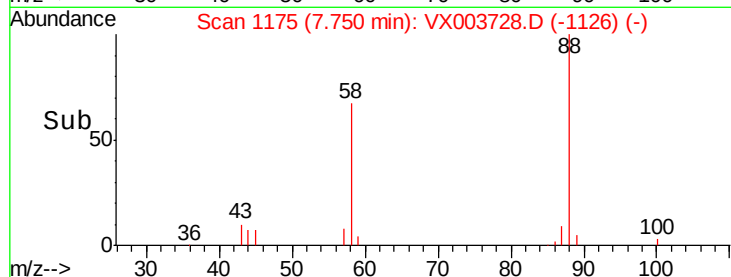
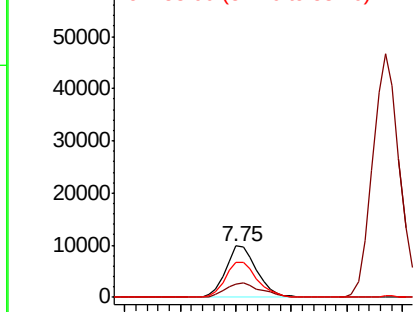


Abundance

Ion 88.00 (87.70 to 88.70): VX0

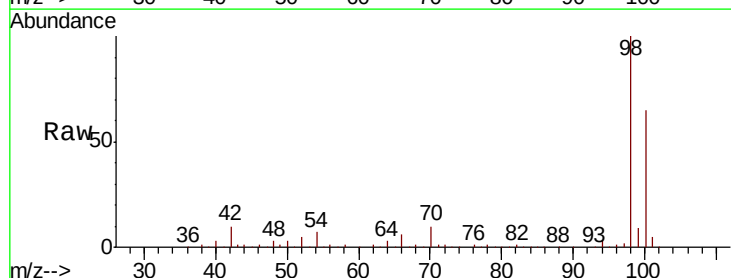
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.04 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

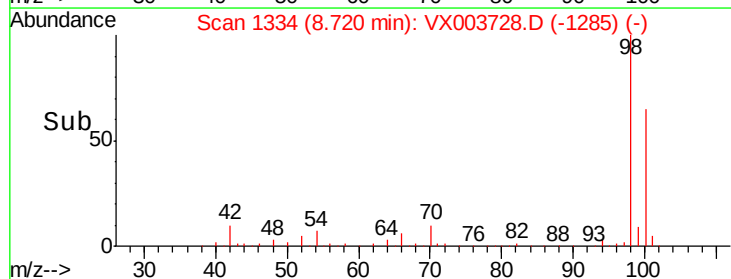
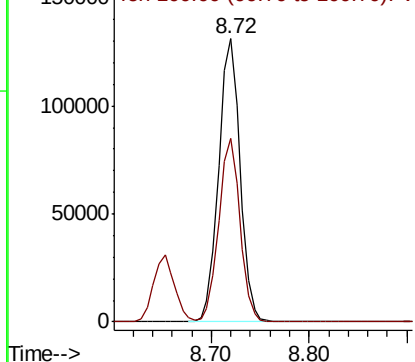
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

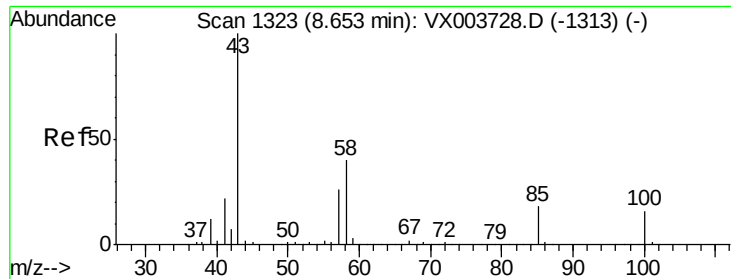


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 258.65 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 302368

Ion Ratio Lower Upper

43 100

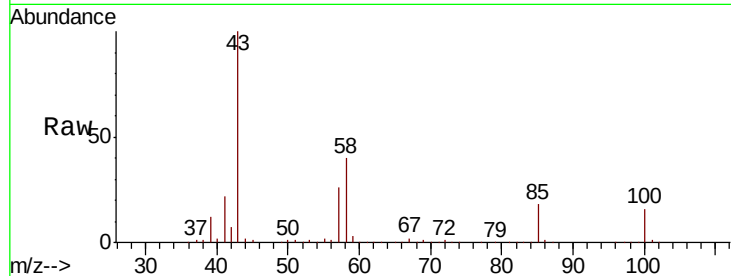
58 40.1 32.1 48.1

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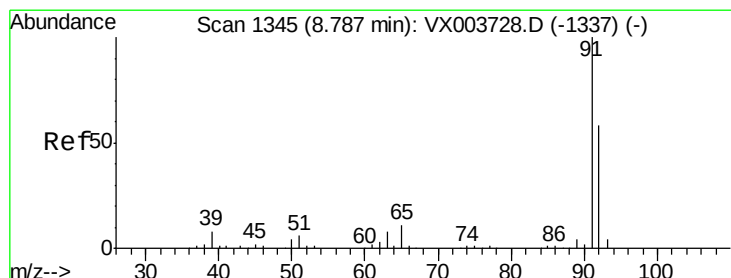
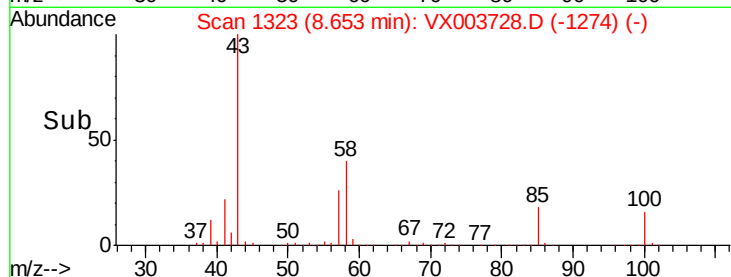
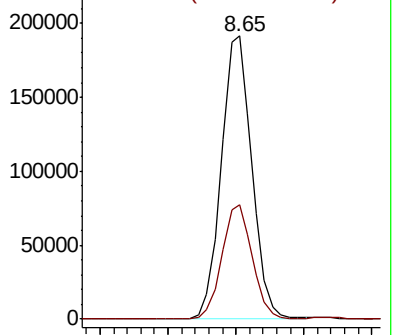
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.21 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003728.D

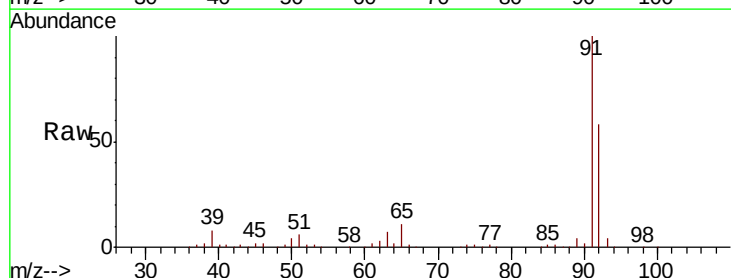
Acq: 30 Jul 2018 17:15

Tgt Ion: 92 Resp: 139502

Ion Ratio Lower Upper

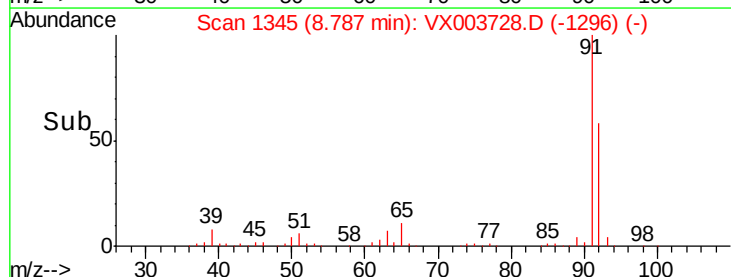
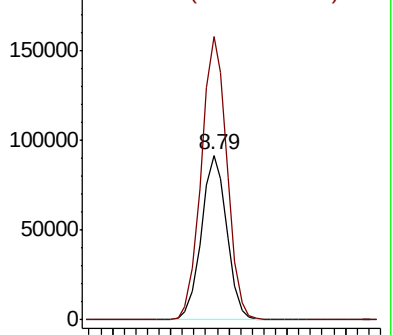
92 100

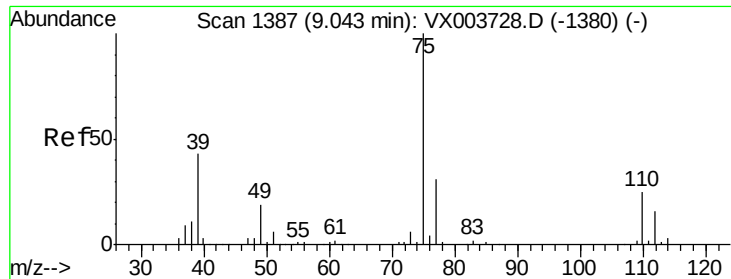
91 174.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





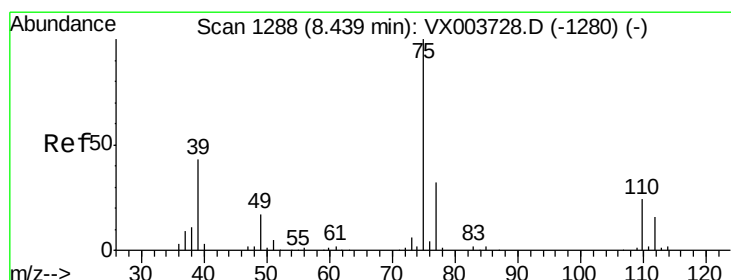
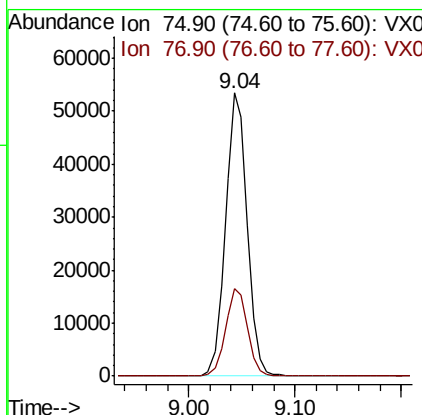
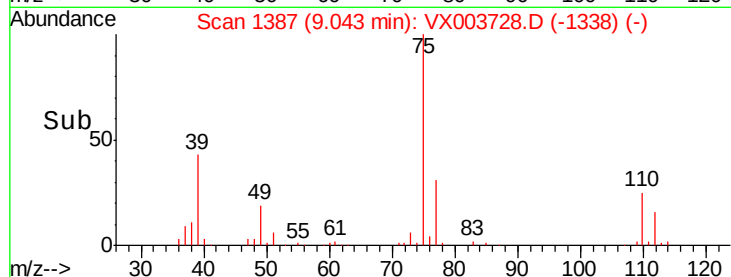
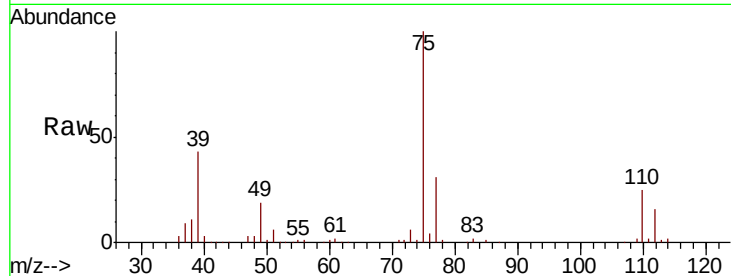
#53
t-1,3-Dichloropropene
Concen: 52.73 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3

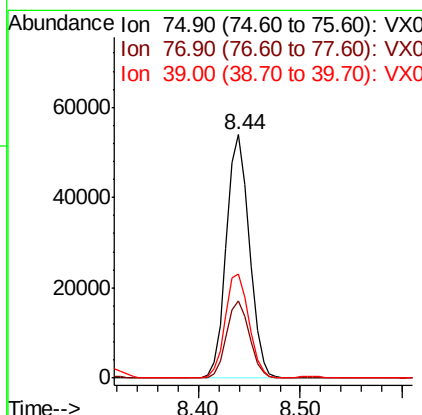
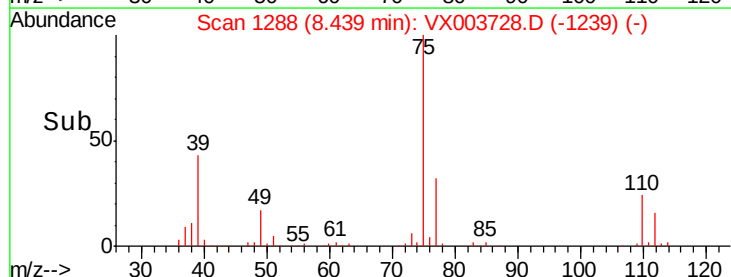
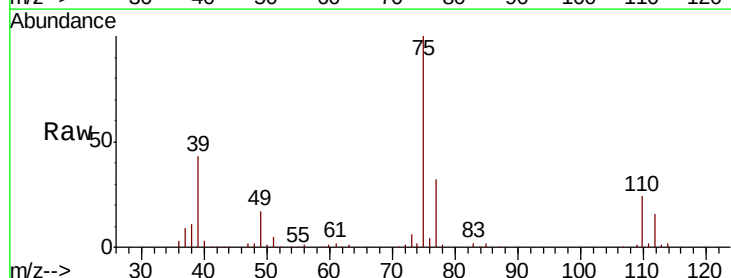
Manual Integrations
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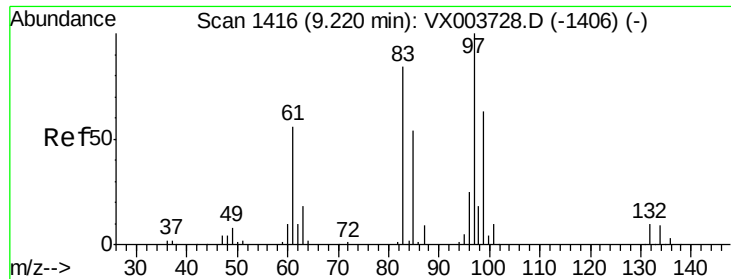
MMDadoda
8/1/2018 10:40:08 AM



#54
cis-1,3-Dichloropropene
Concen: 52.74 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	42.6	34.1	51.1





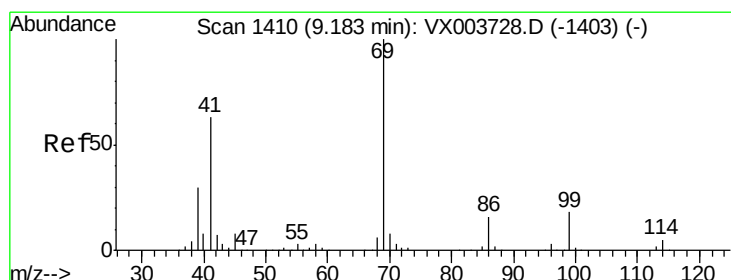
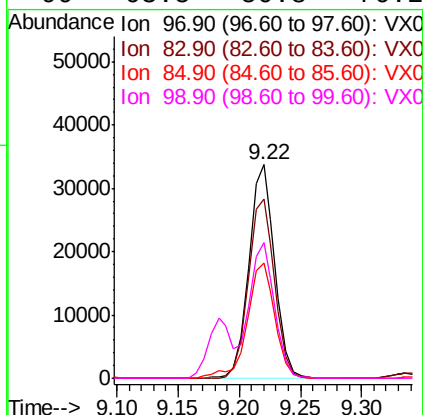
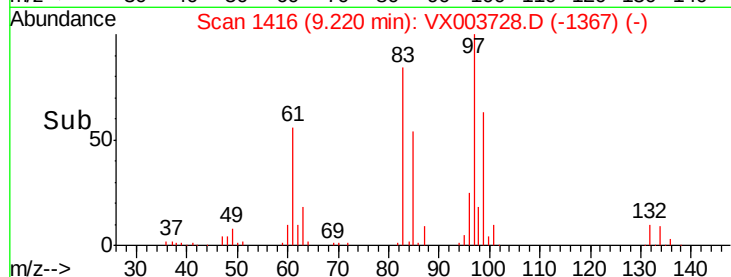
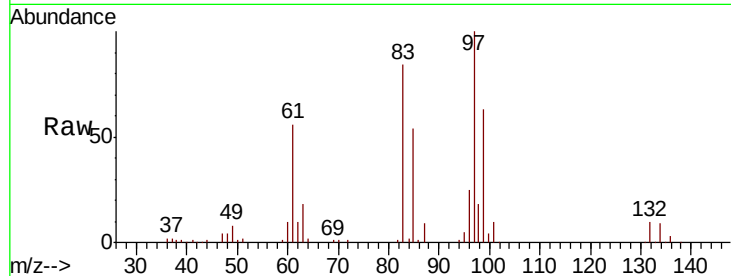
#55
 1,1,2-Trichloroethane
 Concen: 51.51 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		49250		
83	84.2	67.4	101.0		
85	54.1	43.3	64.9		
99	63.5	50.8	76.2		

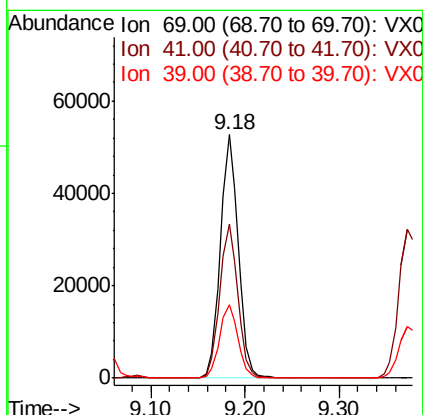
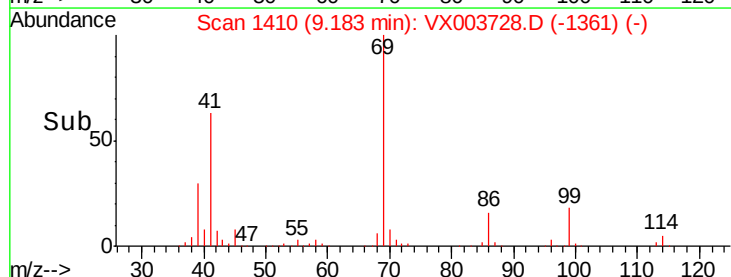
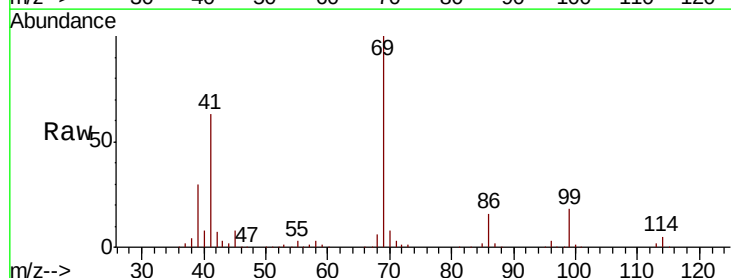
Manual Integrations
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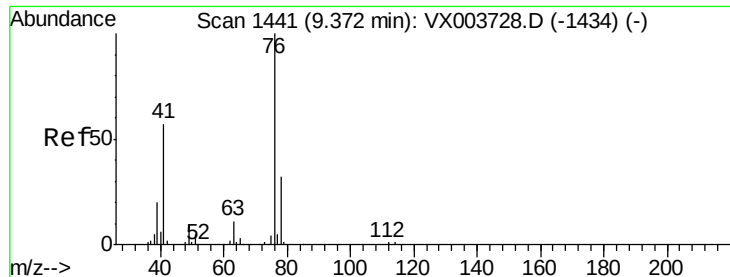
MMDadoda
 8/1/2018 10:40:08 AM



#56
 Ethyl methacrylate
 Concen: 52.95 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		69550		
41	64.5	51.6	77.4		
39	31.4	25.1	37.7		





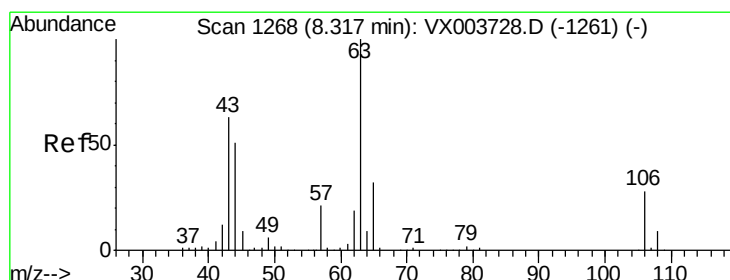
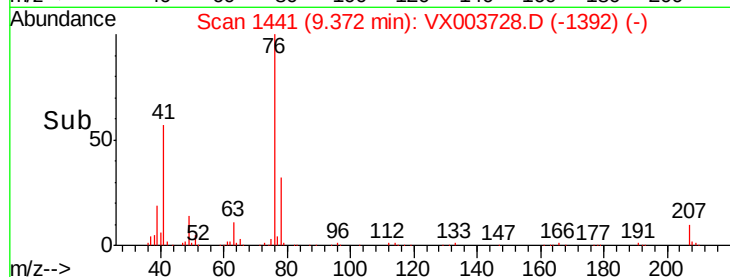
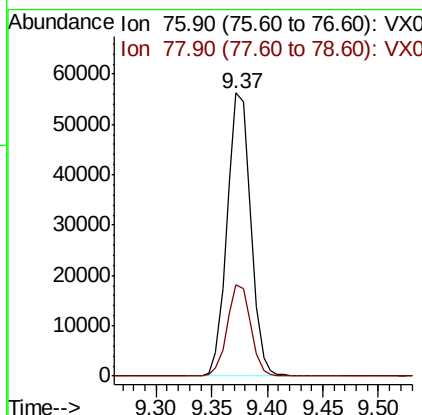
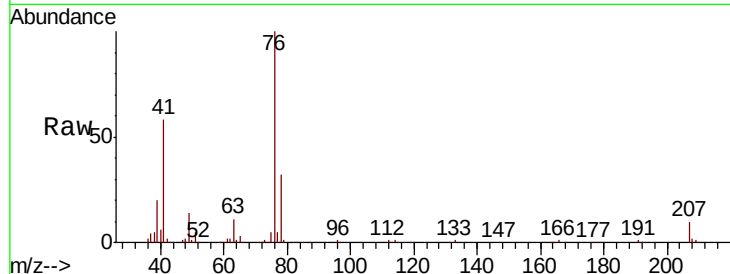
#57
 1,3-Dichloropropane
 Concen: 51.47 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

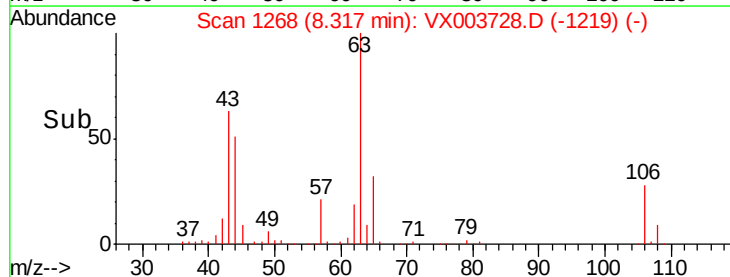
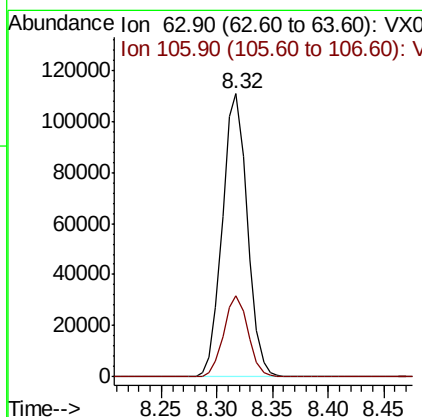
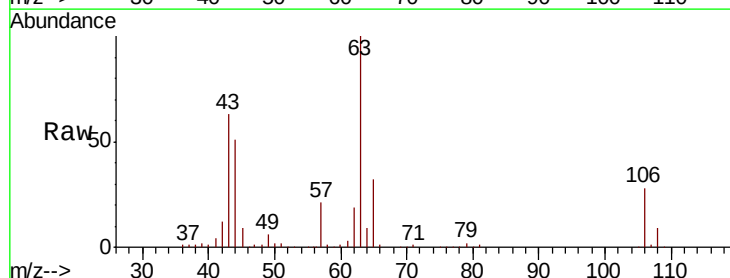
Manual Integrations
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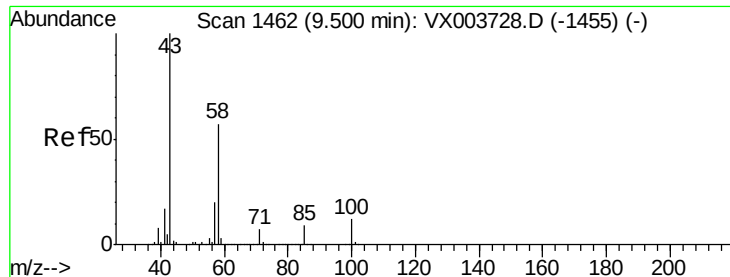
MMDadoda
 8/1/2018 10:40:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.28 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.5	33.7





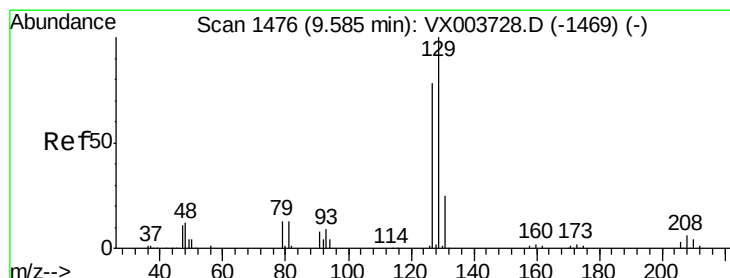
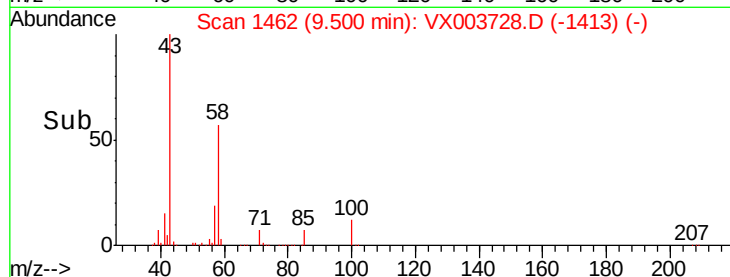
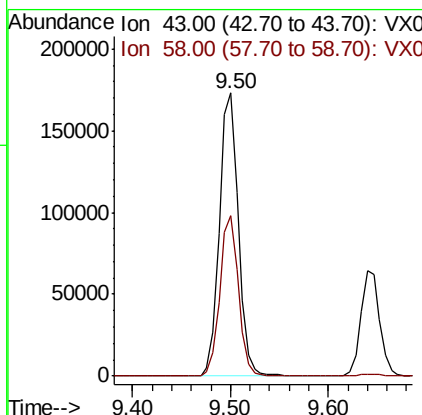
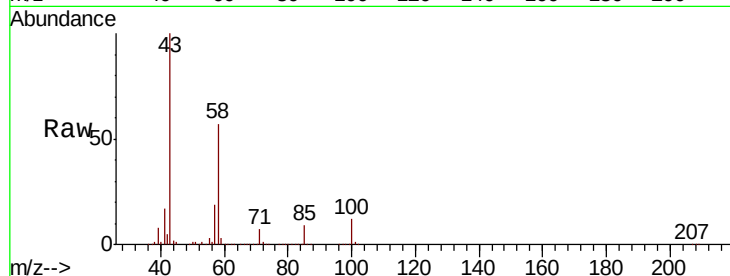
#59
2-Hexanone
Concen: 260.53 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	28.0	83.9

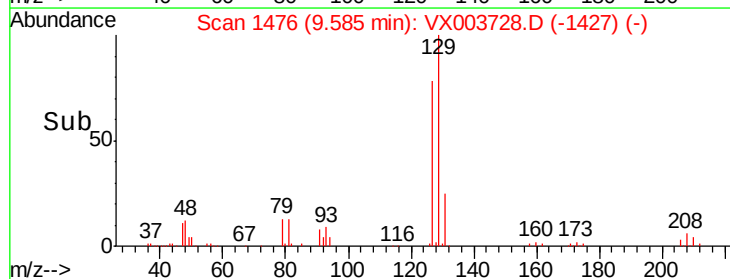
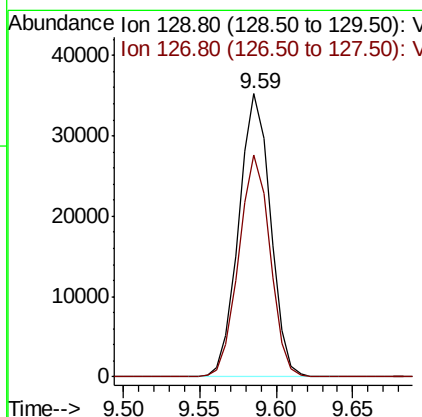
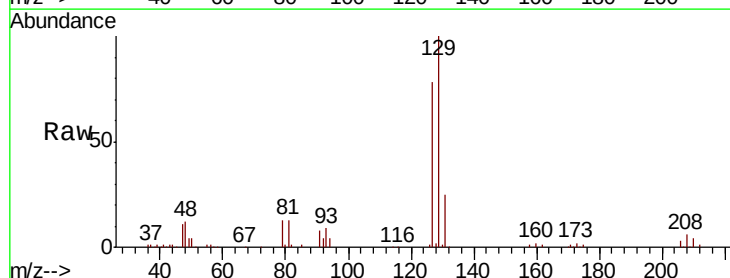
Manual Integrations
APPROVED

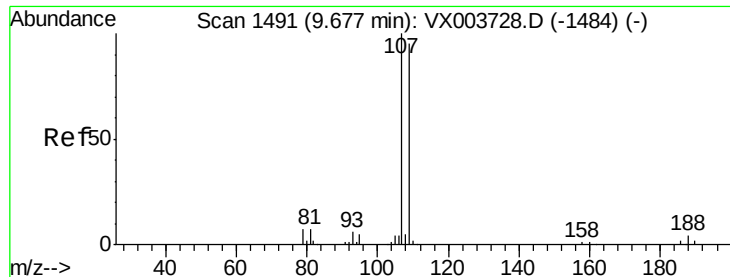
MMDadoda
8/1/2018 10:40:08 AM



#60
Dibromochloromethane
Concen: 52.59 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4





#61

1,2-Dibromoethane

Concen: 51.48 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 50258

Ion Ratio Lower Upper

107 100

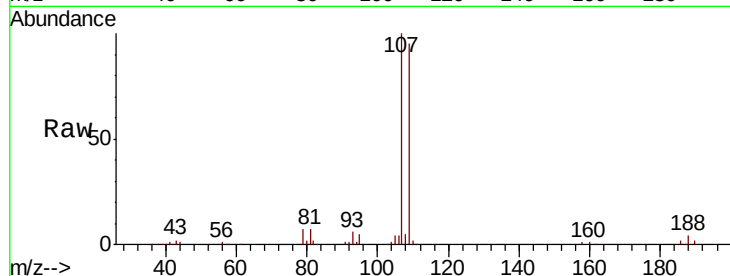
109 93.8 75.0 112.6

Manual Integrations

APPROVED

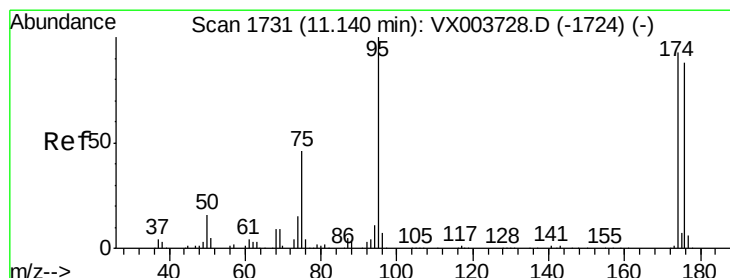
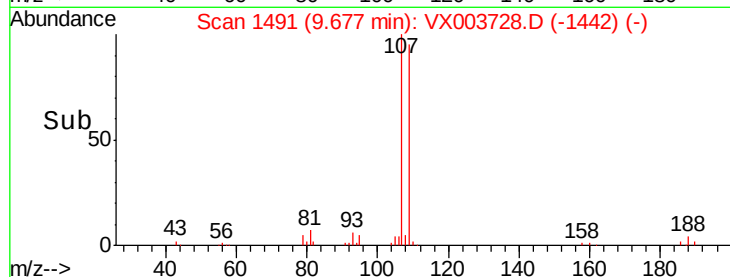
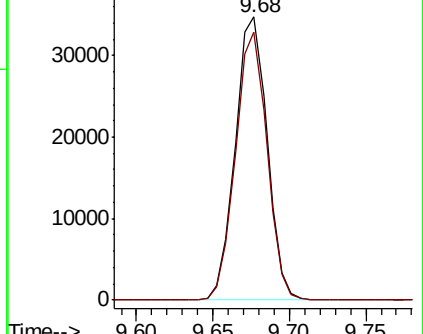
MMDadoda

8/1/2018 10:40:08 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.76 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

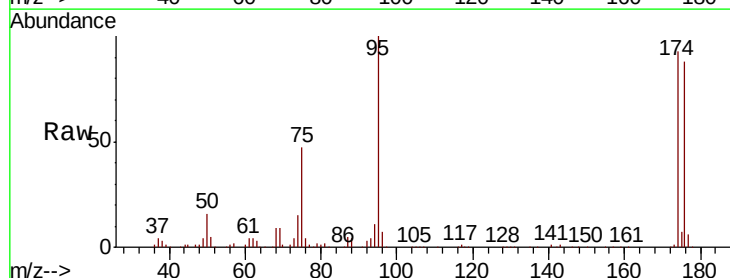
Tgt Ion: 95 Resp: 73246

Ion Ratio Lower Upper

95 100

174 93.1 0.0 186.2

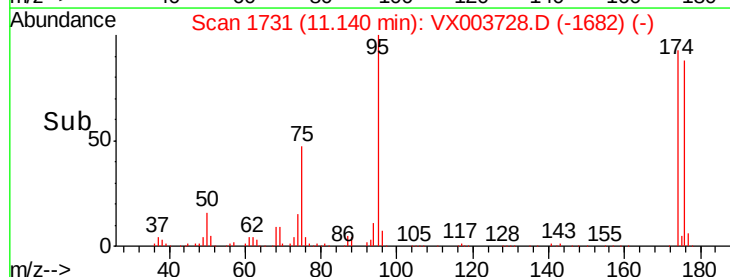
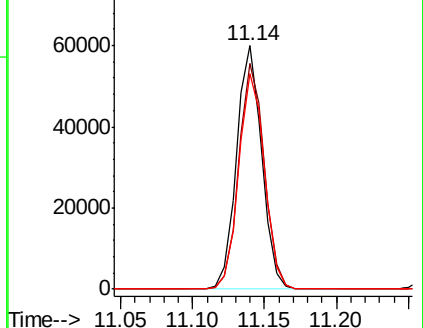
176 89.6 0.0 179.2

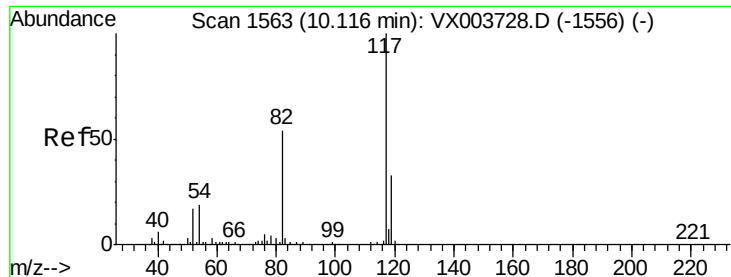


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





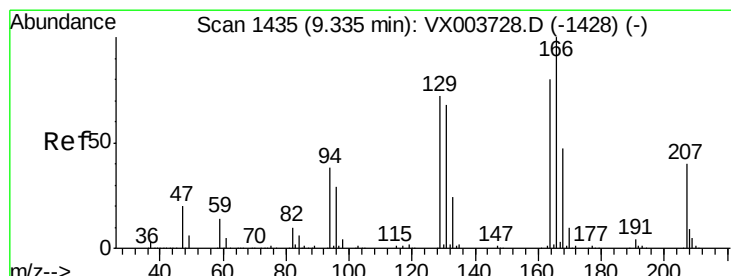
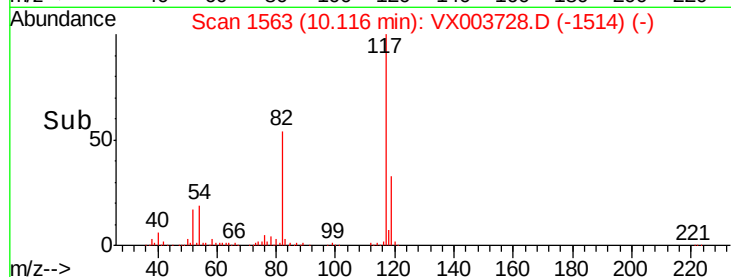
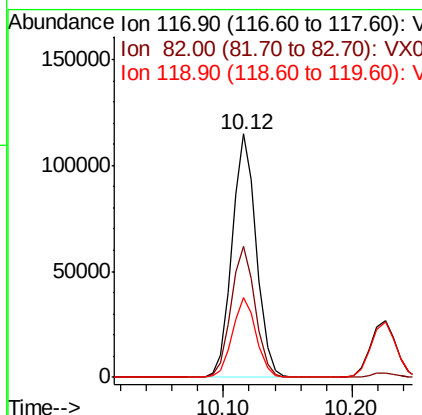
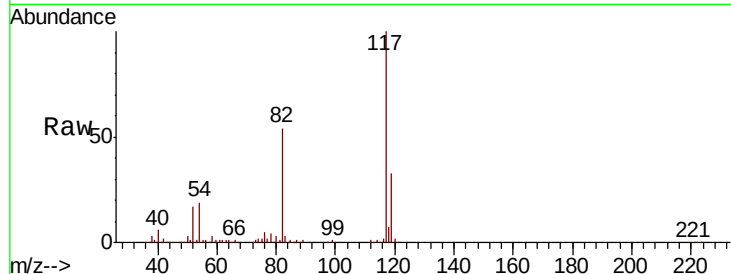
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.2	64.8
119	32.9	26.3	39.5

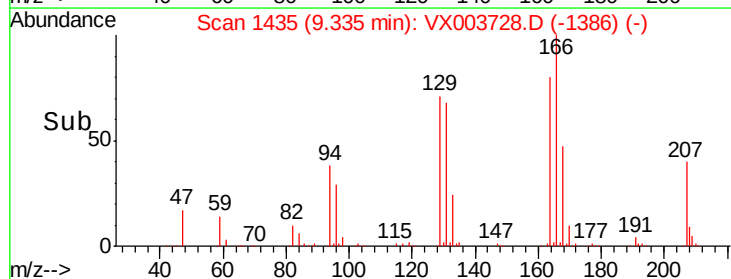
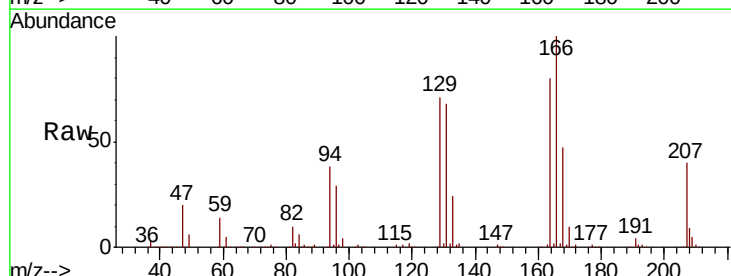
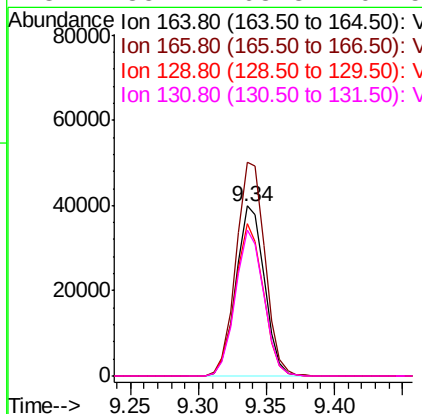
Manual Integrations
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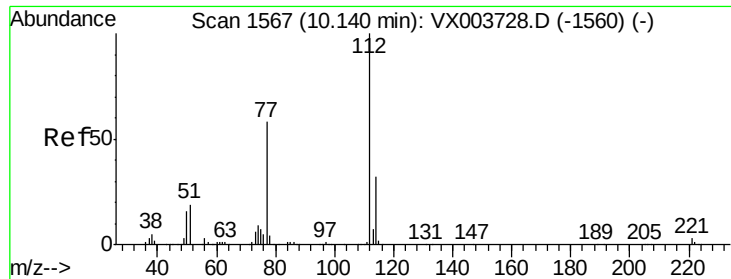
MMDadoda
8/1/2018 10:40:08 AM



#64
Tetrachloroethene
Concen: 49.06 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	89.8	71.8	107.8
131	85.4	68.3	102.5





#65

Chlorobenzene

Concen: 49.65 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion:112 Resp: 156395

Ion Ratio Lower Upper

112 100

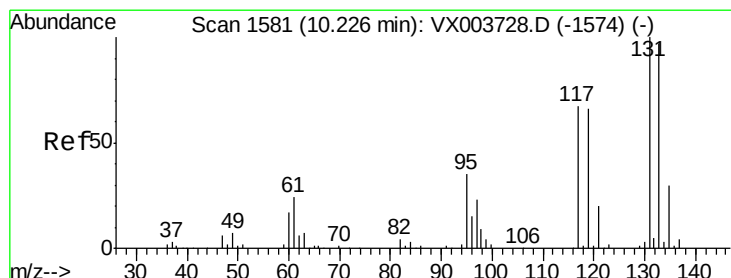
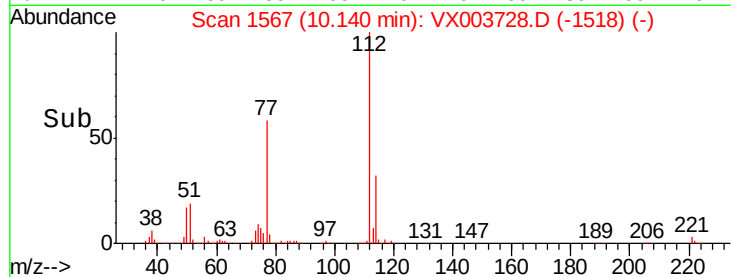
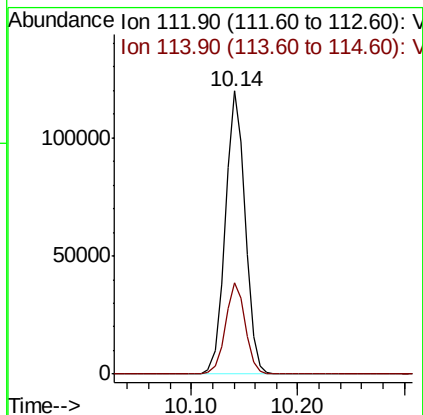
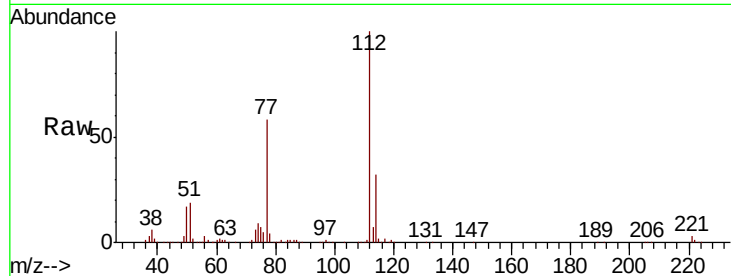
114 32.1 25.7 38.5

Manual Integrations

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MMDadoda

8/1/2018 10:40:08 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 51.70 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

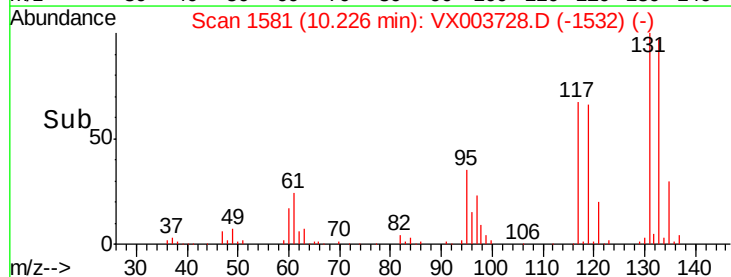
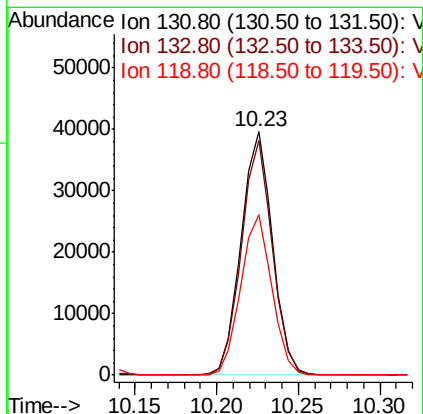
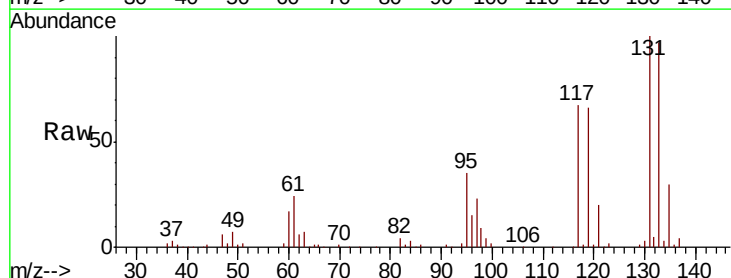
Tgt Ion:131 Resp: 53113

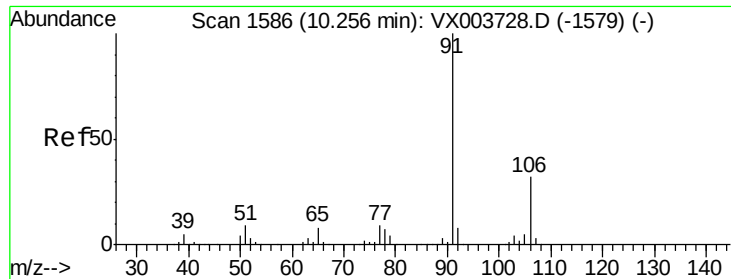
Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.9

119 65.5 32.8 98.3





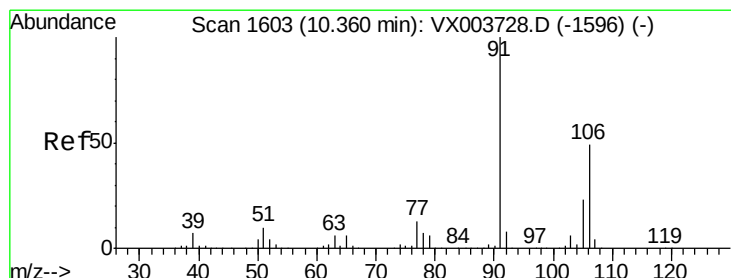
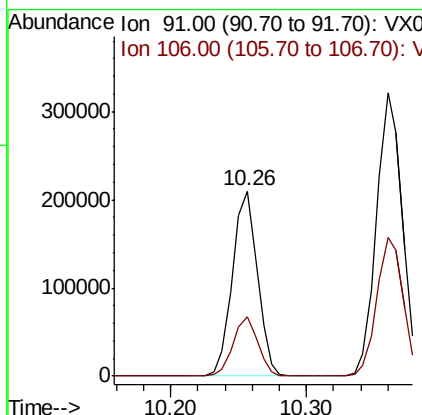
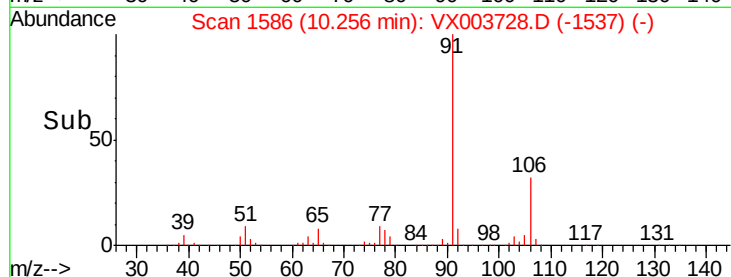
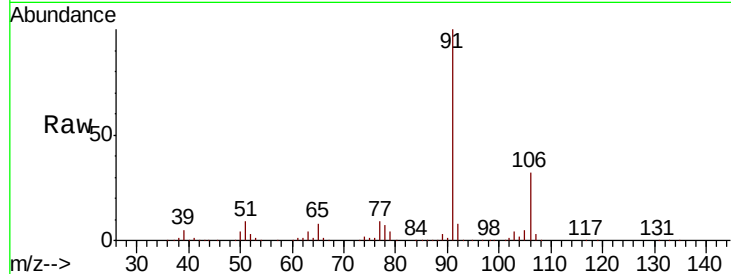
#67
Ethyl Benzene
Concen: 50.50 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 268611
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

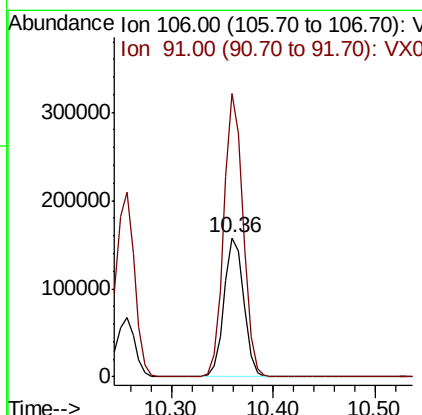
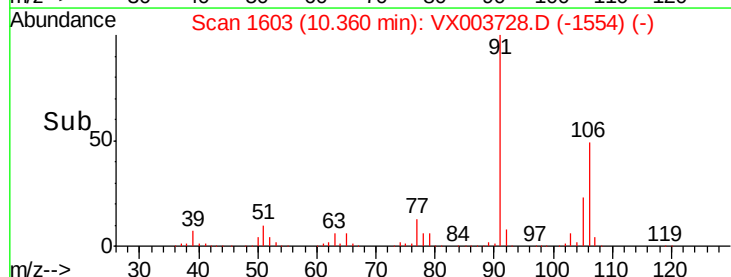
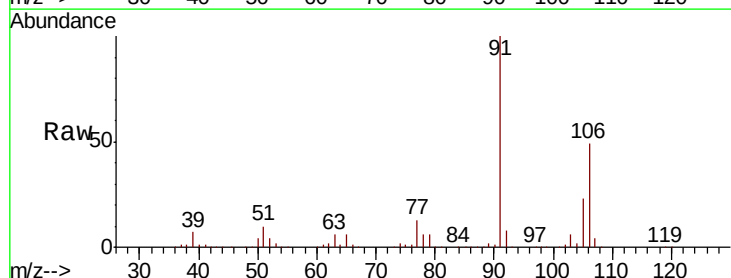
Manual Integrations
APPROVED

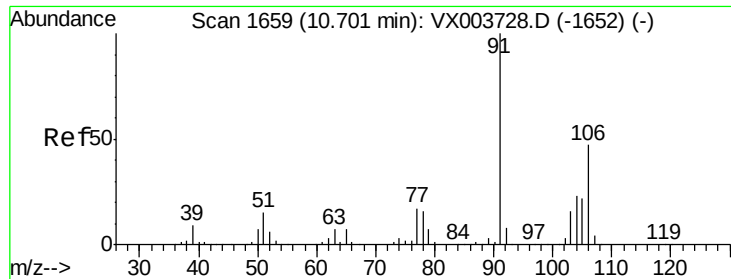
MMDadoda
8/1/2018 10:40:08 AM



#68
m/p-Xylenes
Concen: 101.76 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion: 106 Resp: 211739
Ion Ratio Lower Upper
106 100
91 199.8 159.8 239.8





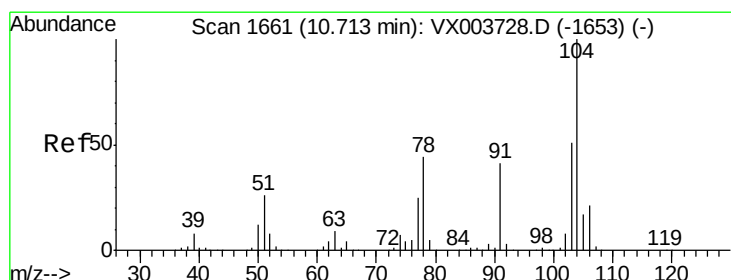
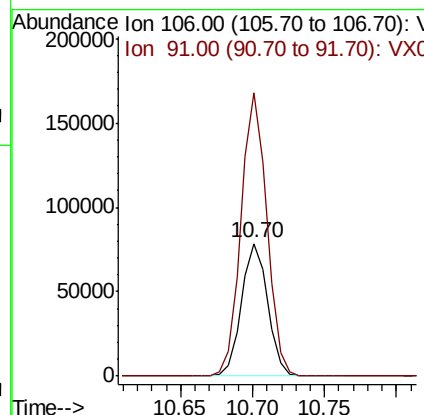
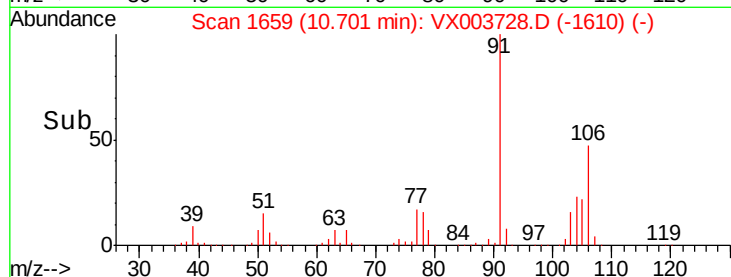
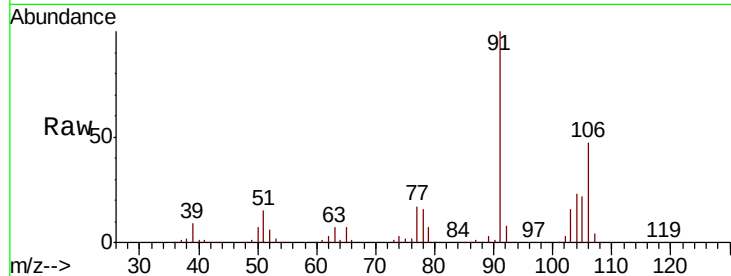
#69
o-Xylene
Concen: 51.36 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 99239
Ion Ratio Lower Upper
106 100
91 211.2 105.6 316.8

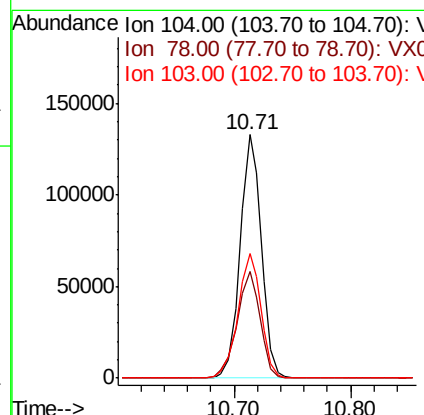
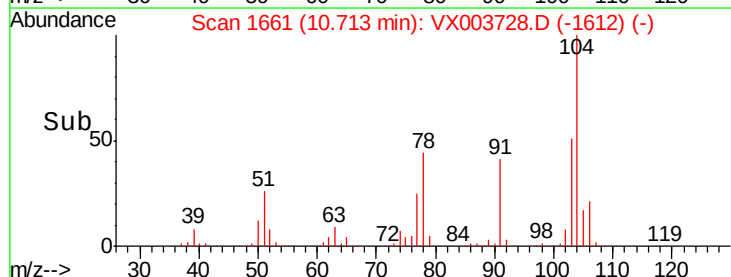
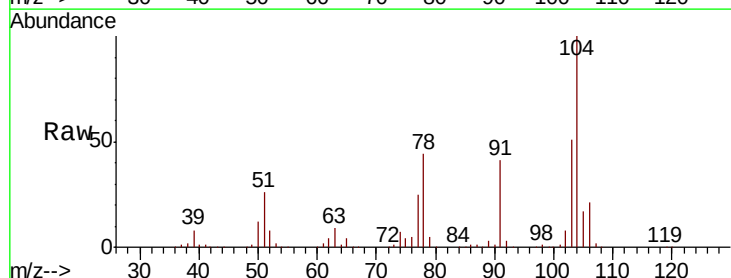
Manual Integrations
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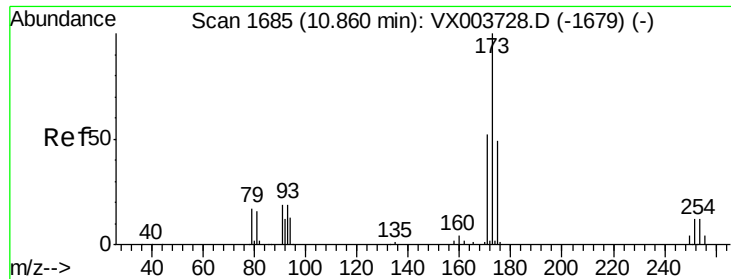
MMDadoda
8/1/2018 10:40:08 AM



#70
Styrene
Concen: 52.08 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion:104 Resp: 169278
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.6 44.5 66.7





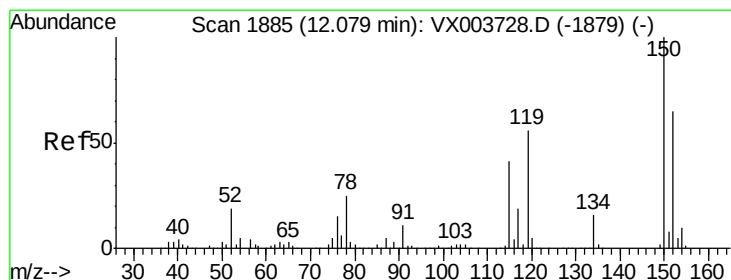
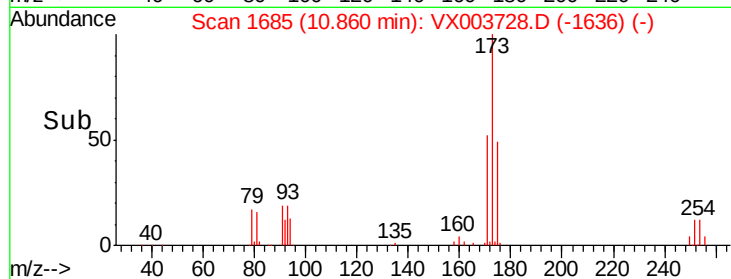
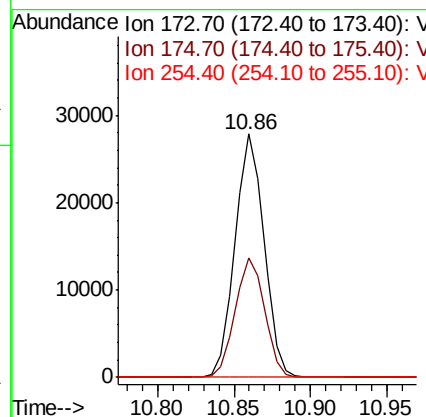
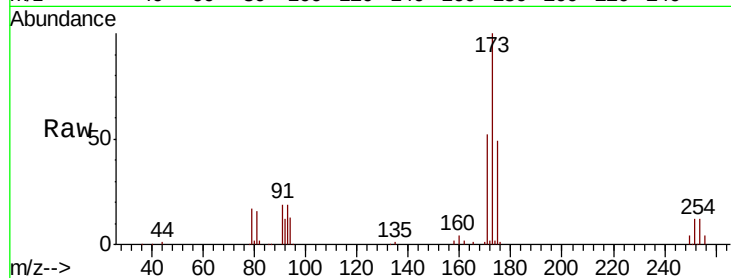
#71
Bromoform
Concen: 51.93 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.9	74.6
254	0.0	0.0	0.0

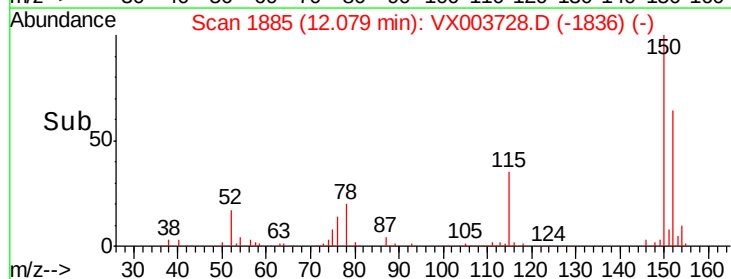
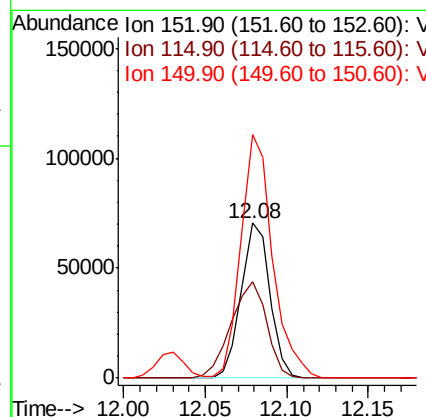
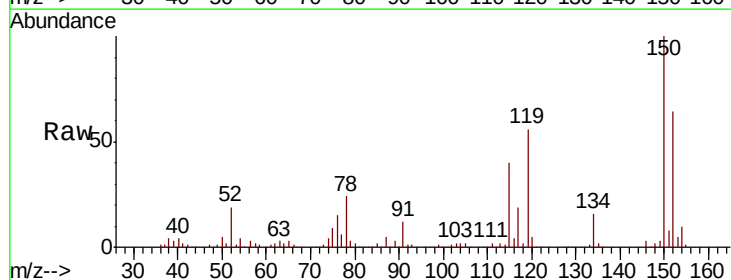
Manual Integrations
APPROVED

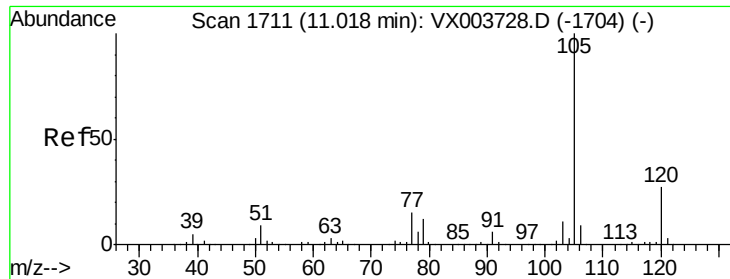
MMDadoda
8/1/2018 10:40:08 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.9	38.5	115.3
150	173.1	0.0	346.2





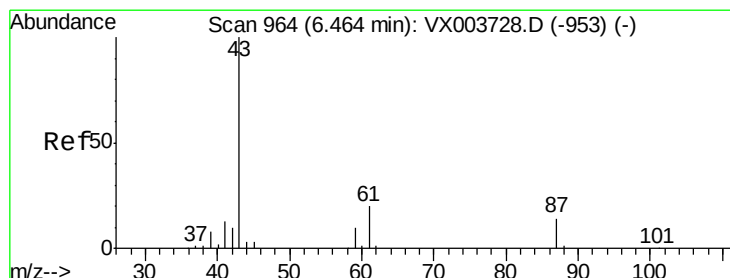
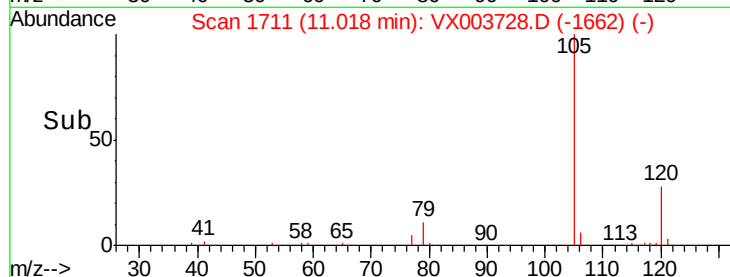
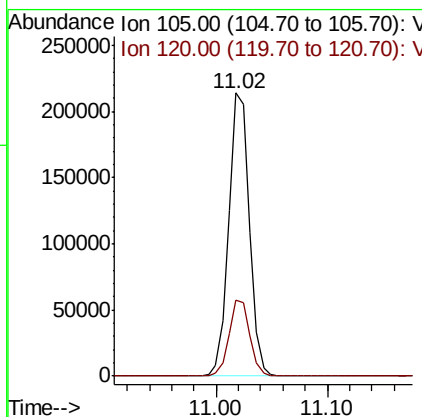
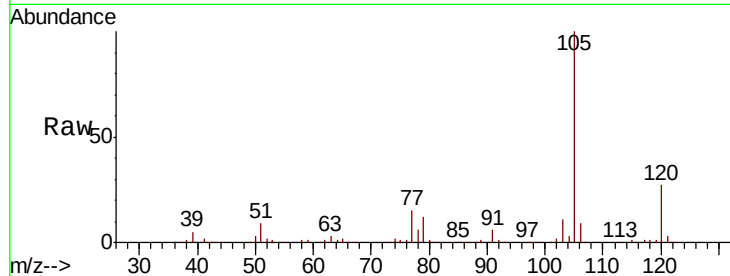
#73
Isopropylbenzene
Concen: 49.97 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 105 Resp: 272203
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.5

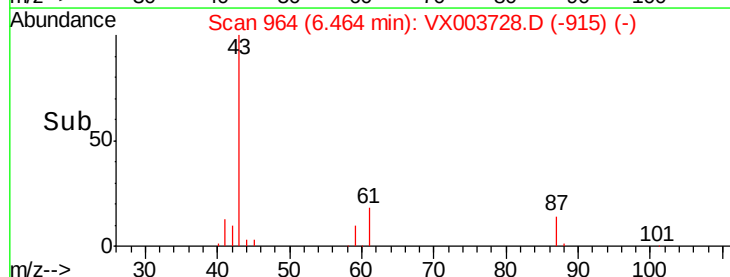
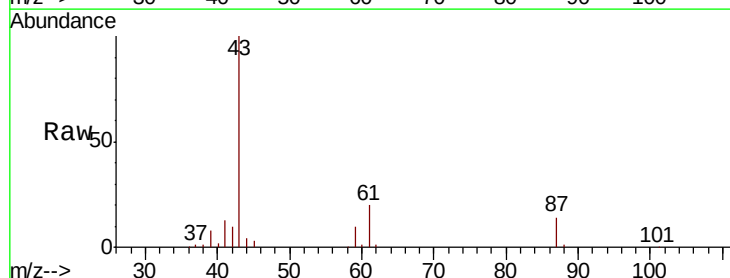
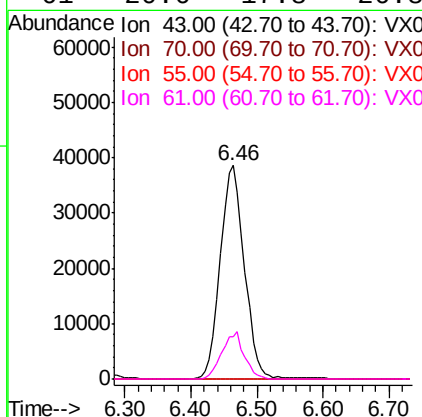
Manual Integrations
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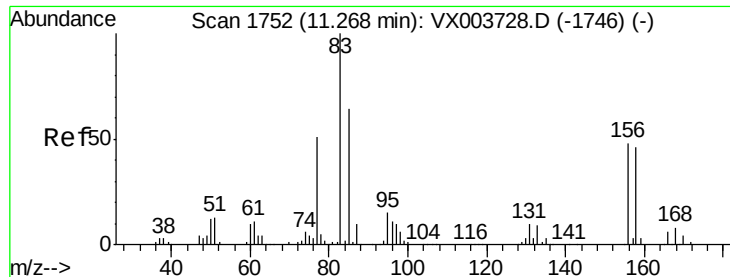
MMDadoda
8/1/2018 10:40:08 AM



#74
N-ethyl acetate
Concen: 56.32 ug/l
RT: 6.46 min Scan# 964
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion: 43 Resp: 97571
Ion Ratio Lower Upper
43 100
70 0.0 31.0 46.6#
55 0.0 18.9 28.3#
61 20.6 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.12 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 70982

Ion Ratio Lower Upper

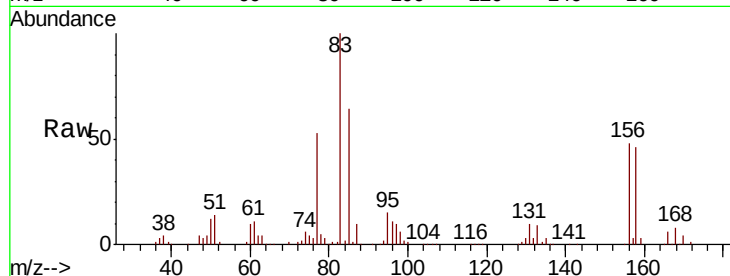
83 100

131 10.6 5.3 15.9

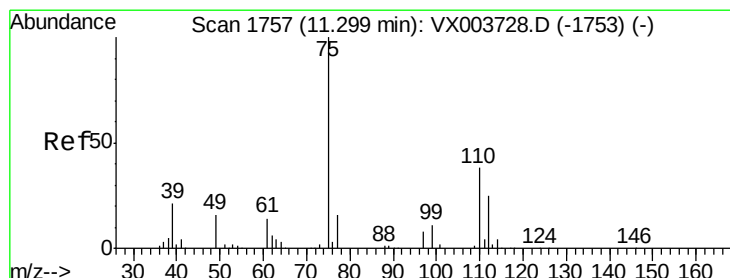
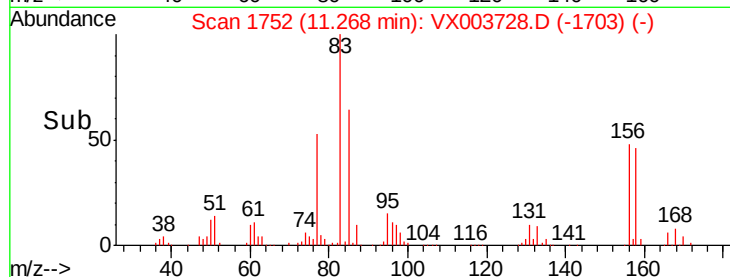
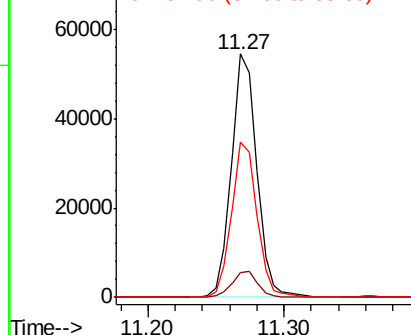
85 64.1 32.0 96.2

Manual Integrations
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MMDadoda
8/1/2018 10:40:08 AM



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: 50.49 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003728.D

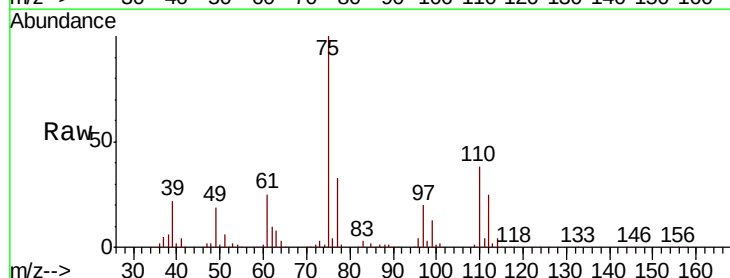
Acq: 30 Jul 2018 17:15

Tgt Ion: 75 Resp: 60559

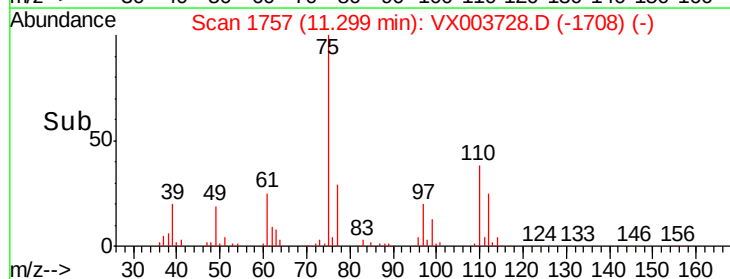
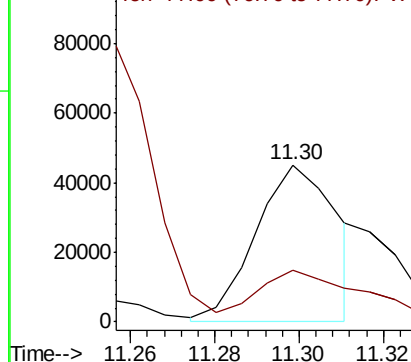
Ion Ratio Lower Upper

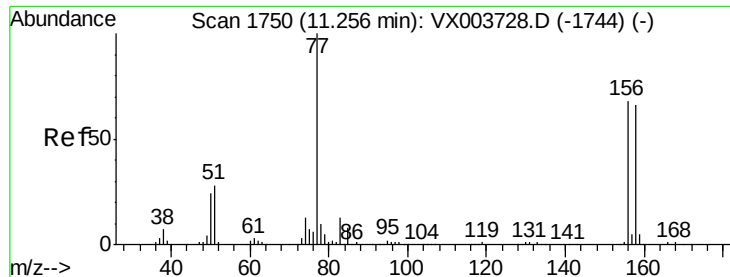
75 100

77 43.3 21.6 65.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.09 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 71136

Ion Ratio Lower Upper

156 100

77 143.5 71.8 215.3

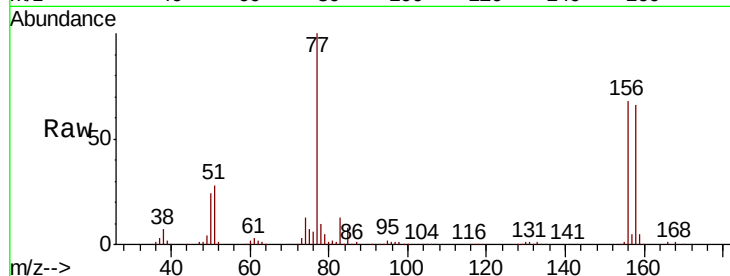
158 97.6 48.8 146.4

Manual Integrations

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

100000

80000

60000

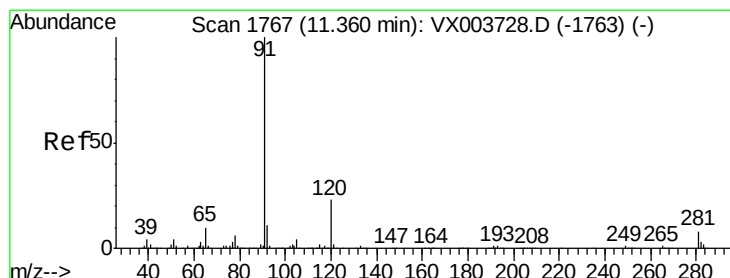
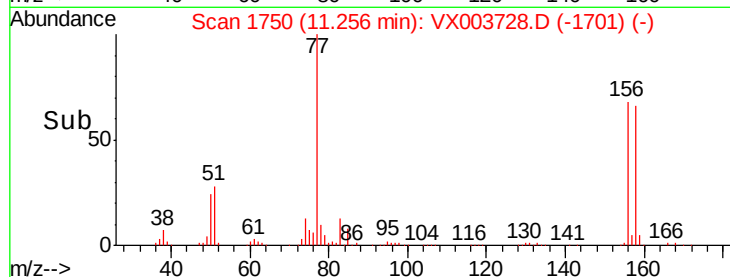
40000

20000

0

11.20 11.25 11.30

Time-->



#78

n-propylbenzene

Concen: 49.43 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003728.D

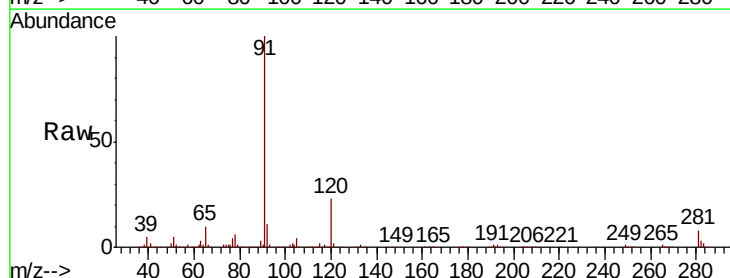
Acq: 30 Jul 2018 17:15

Tgt Ion: 91 Resp: 326218

Ion Ratio Lower Upper

91 100

120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

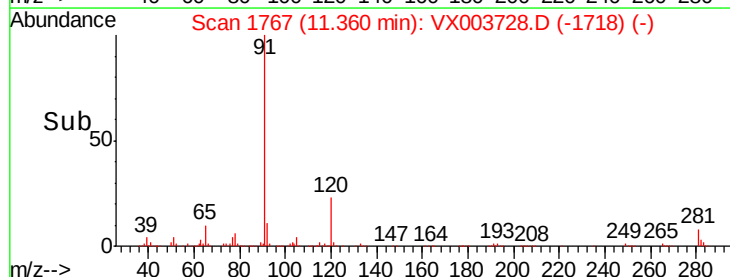
100000

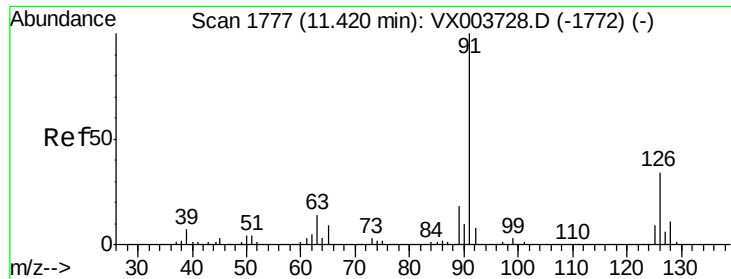
50000

0

11.35 11.40

Time-->





#79

2-Chlorotoluene

Concen: 49.21 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 184361

Ion Ratio Lower Upper

91 100

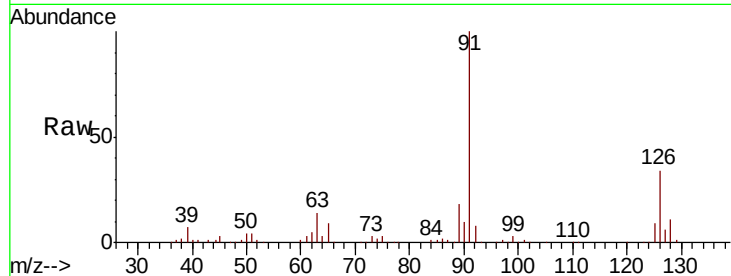
126 35.2 17.6 52.8

Manual Integrations

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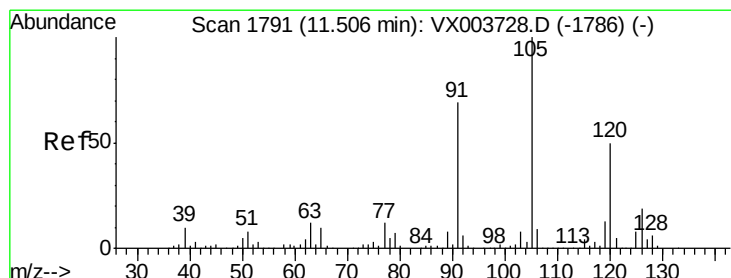
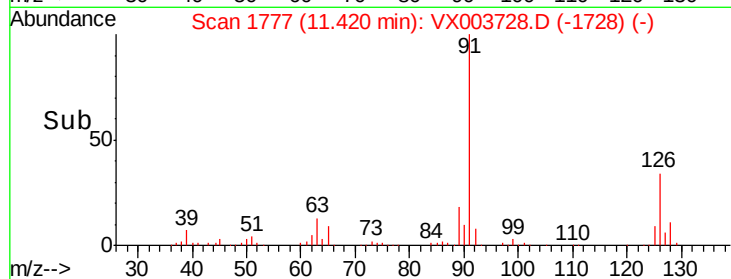
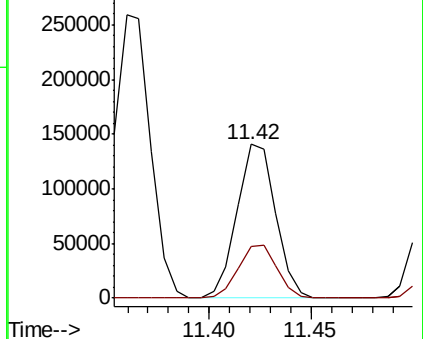
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Abundance Ion 91.00 (90.70 to 91.70): VX003728.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX003728.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 43.66 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003728.D

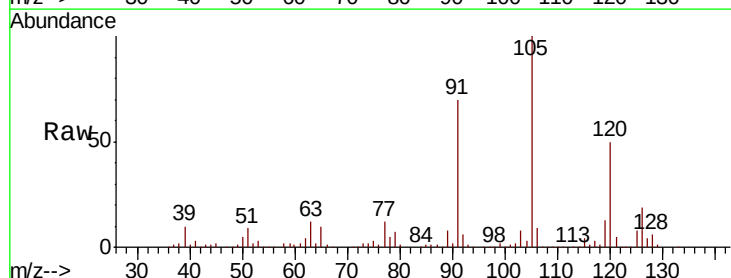
Acq: 30 Jul 2018 17:15

Tgt Ion: 105 Resp: 232034

Ion Ratio Lower Upper

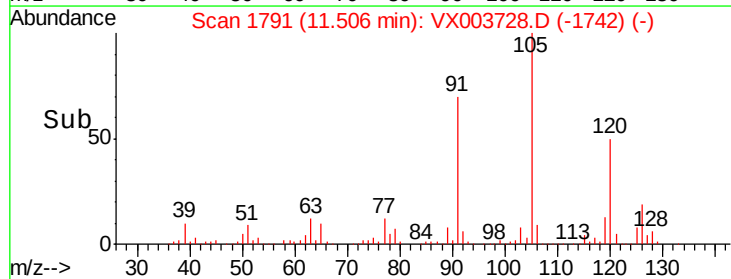
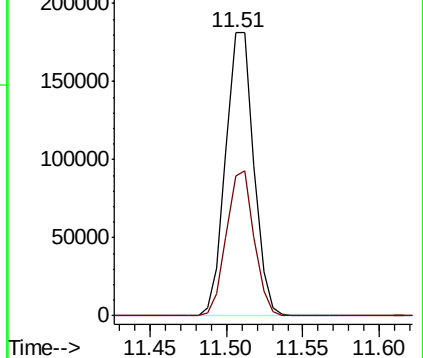
105 100

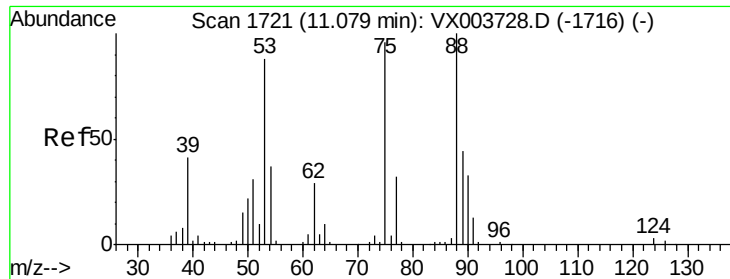
120 50.2 15.8 47.4#



Abundance Ion 105.00 (104.70 to 105.70): VX003728.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003728.D (-1786) (-)





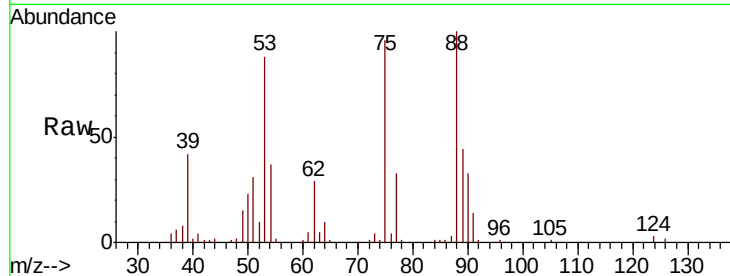
#81
trans-1,4-Dichloro-2-butene
Concen: 53.02 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

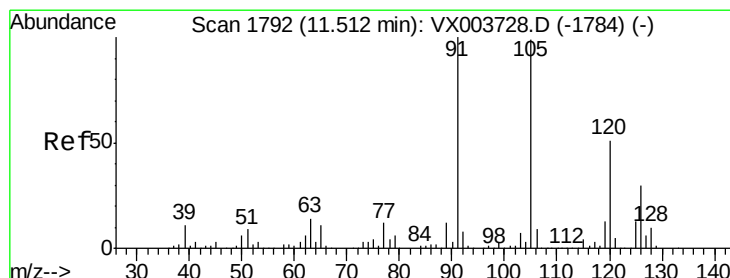
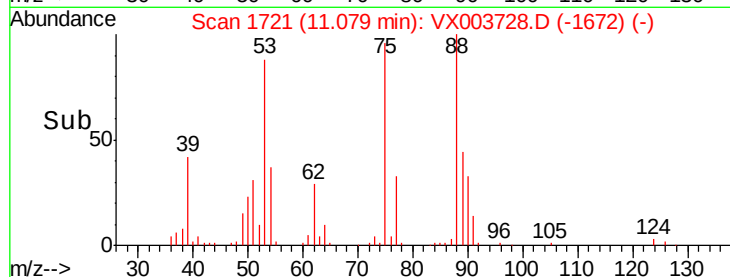
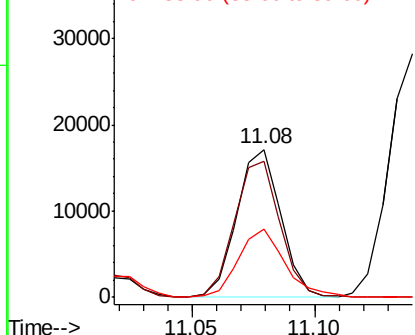
Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	75.8	113.8
89	48.9	39.1	58.7

Manual Integrations
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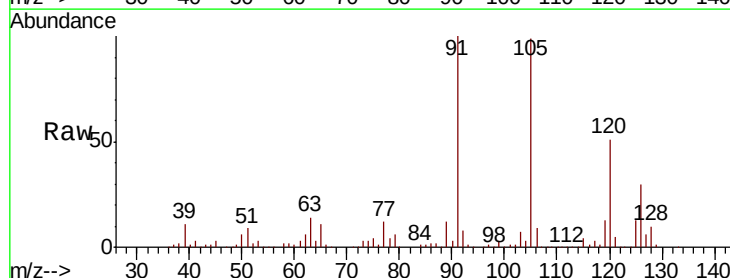


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

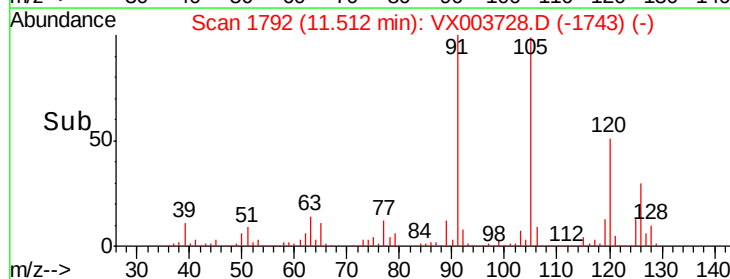
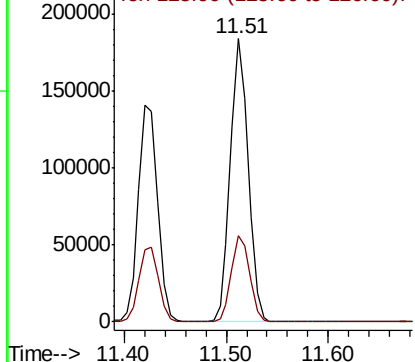


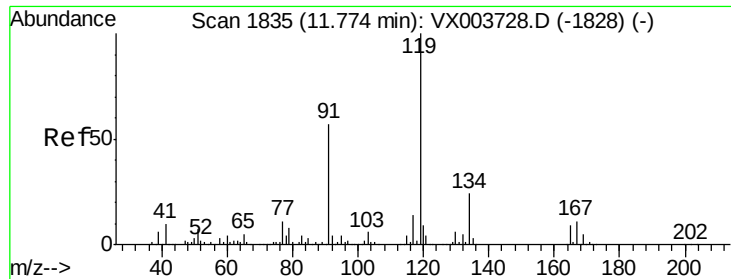
#82
4-Chlorotoluene
Concen: 49.05 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





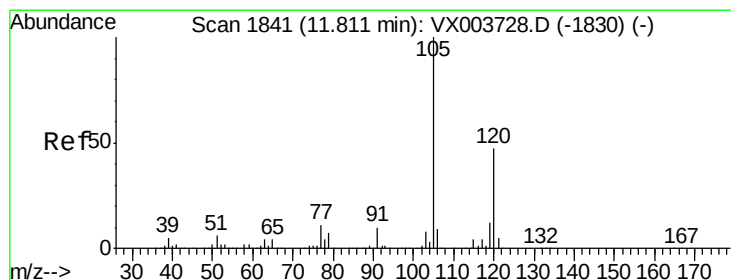
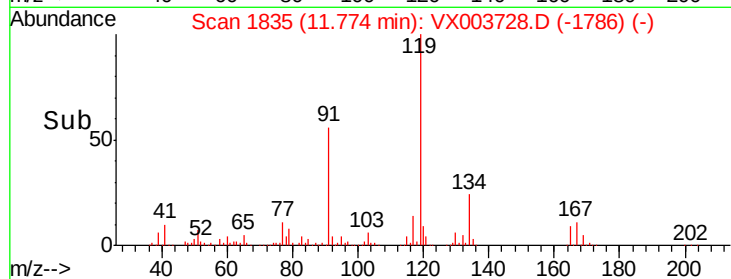
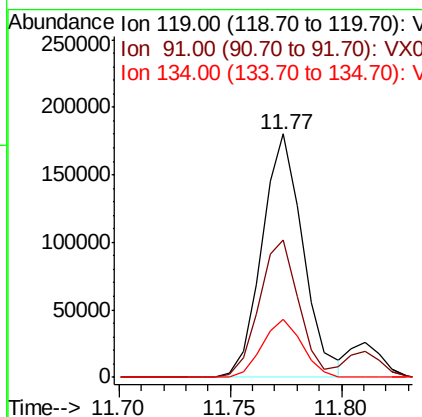
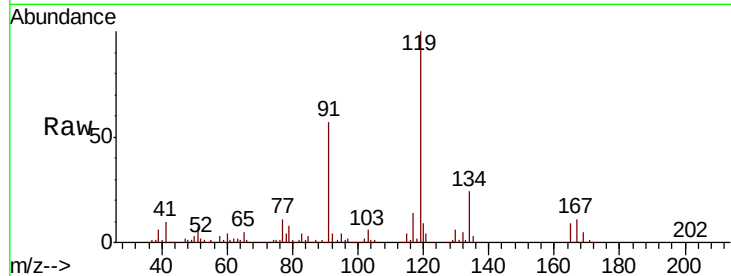
#83
 tert-Butylbenzene
 Concen: 50.22 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.4	27.2	81.6
134	23.2	11.6	34.8

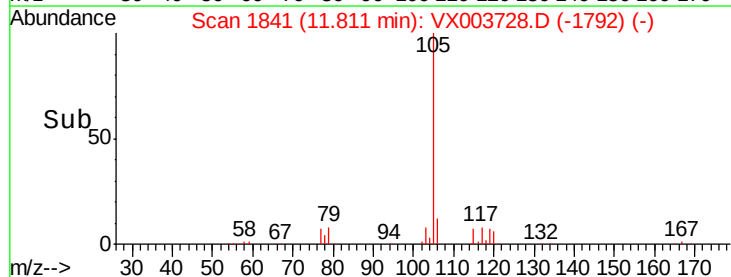
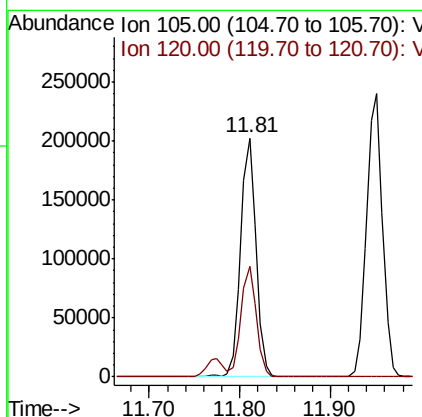
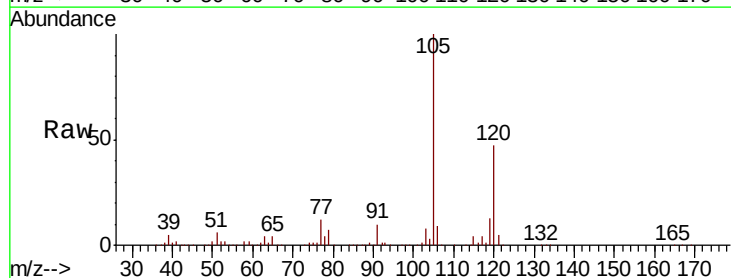
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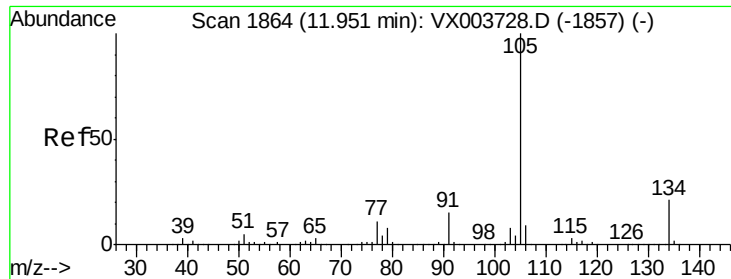
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.00 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 49.74 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 292664

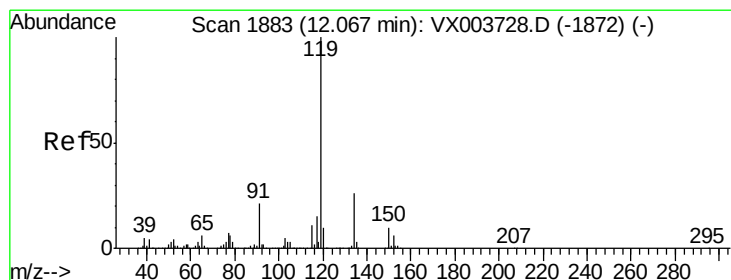
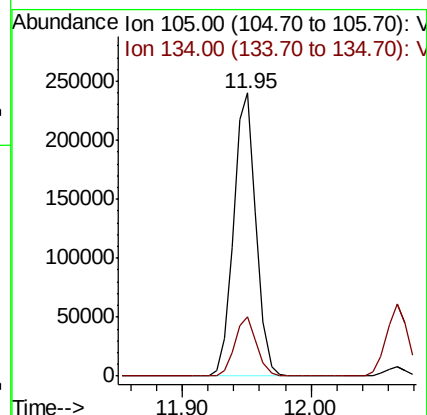
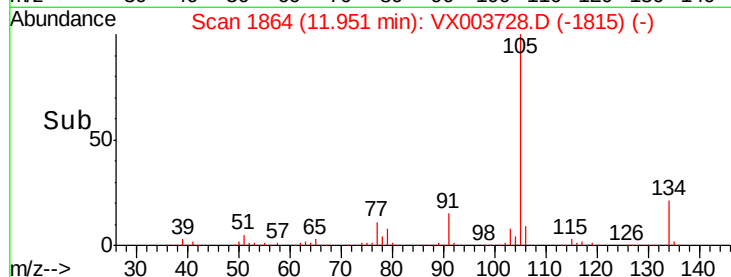
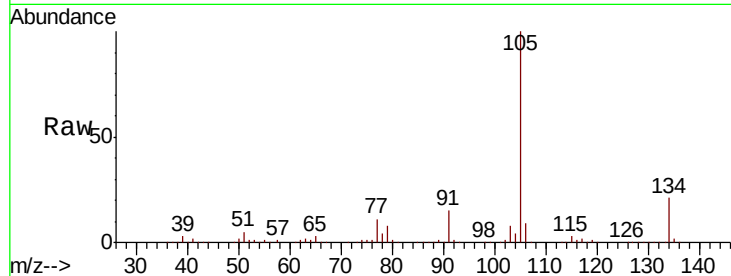
Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 56.58 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

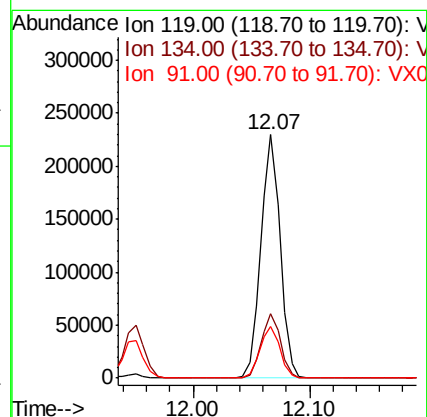
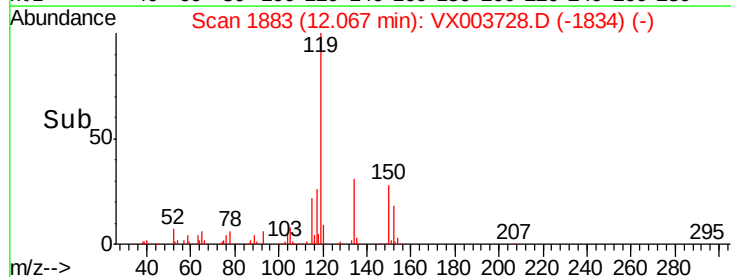
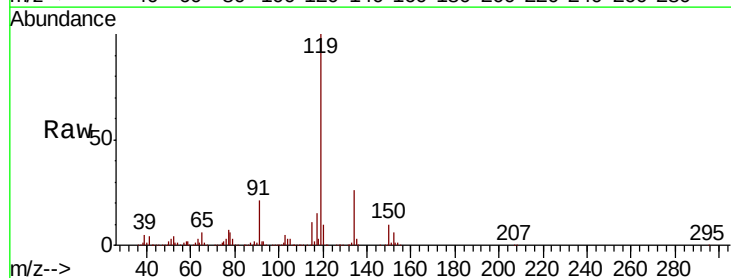
Tgt Ion:119 Resp: 266922

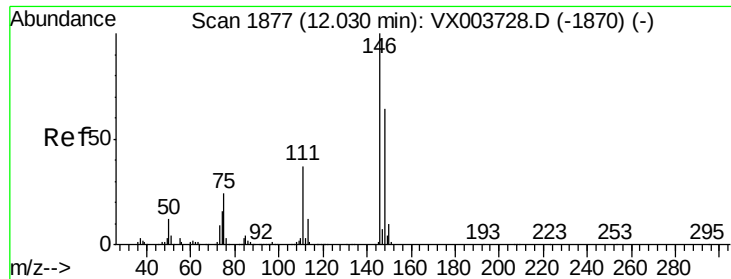
Ion Ratio Lower Upper

119 100

134 26.5 10.1 30.1

91 22.0 23.6 70.8#





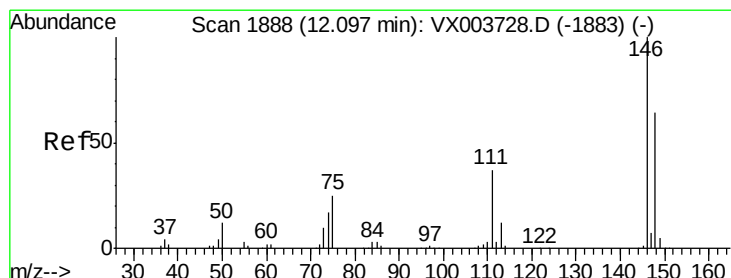
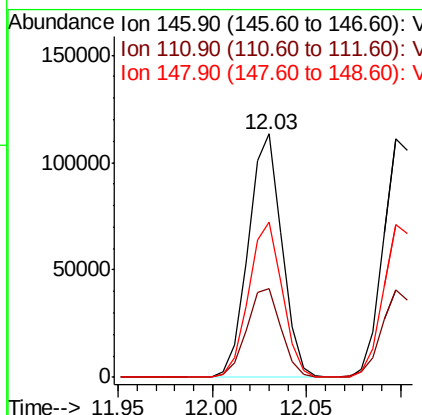
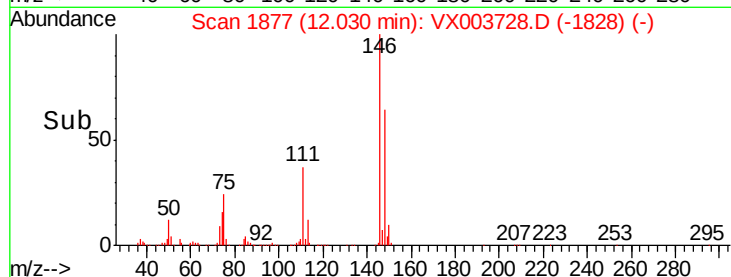
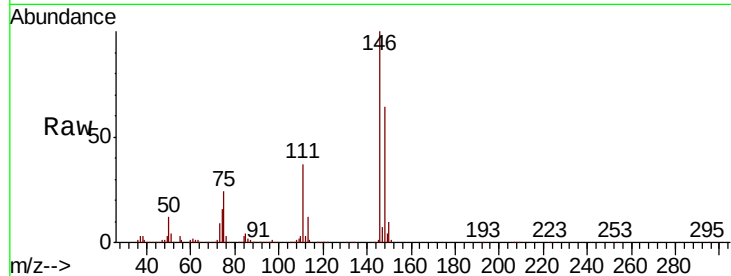
#87
 1,3-Dichlorobenzene
 Concen: 48.62 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	63.9	31.9	95.9

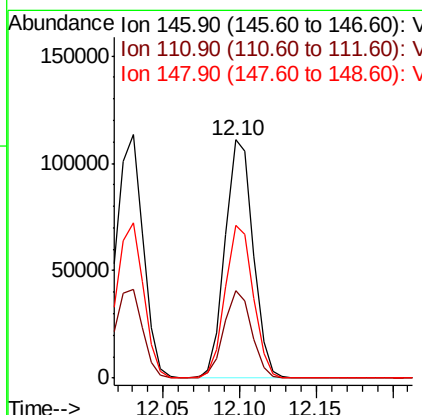
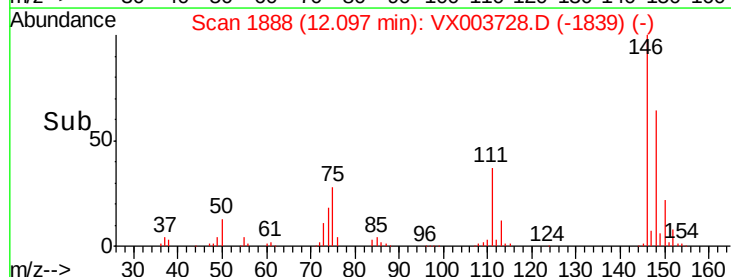
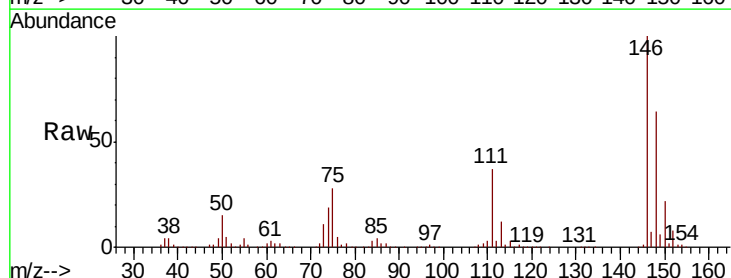
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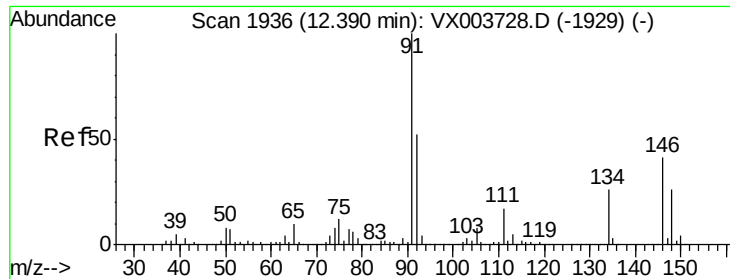
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#88
 1,4-Dichlorobenzene
 Concen: 48.16 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.3	54.9
148	64.1	32.0	96.2





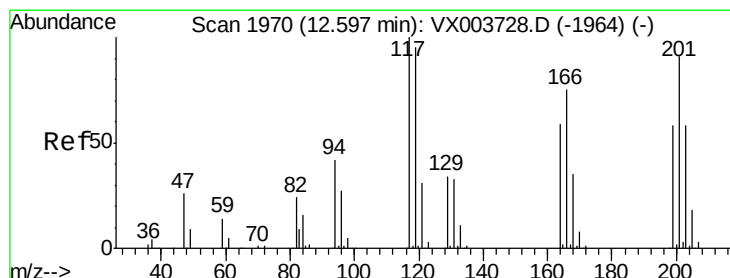
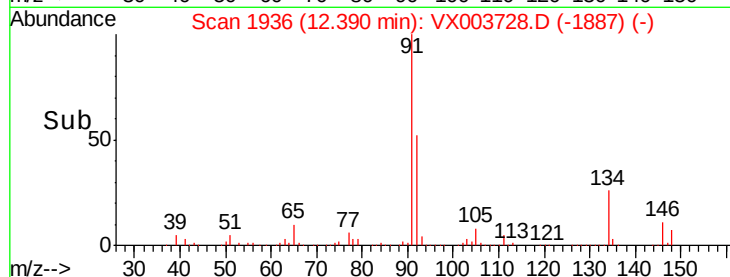
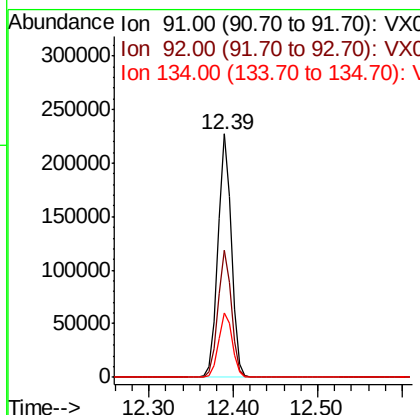
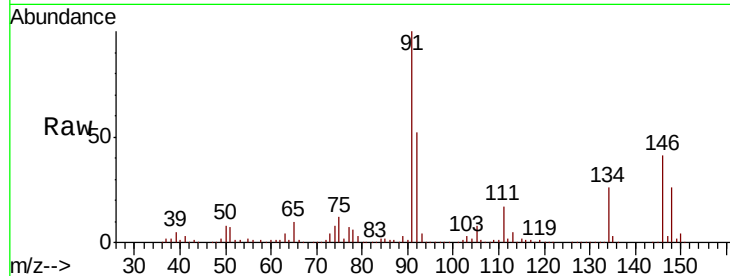
#89
n-Butylbenzene
Concen: 49.45 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	27.1	13.6	40.7

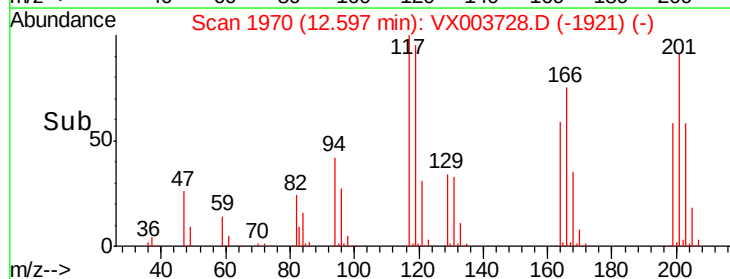
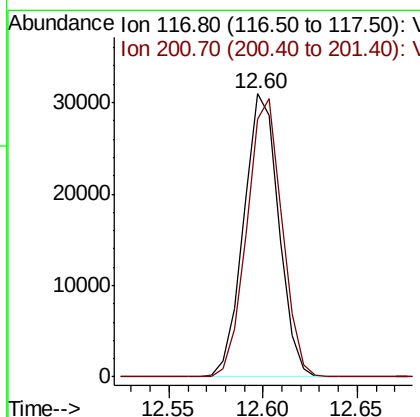
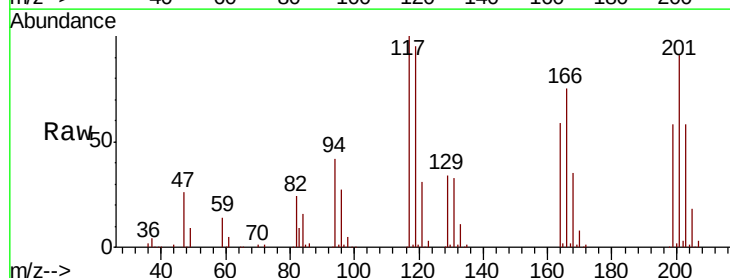
Manual Integrations
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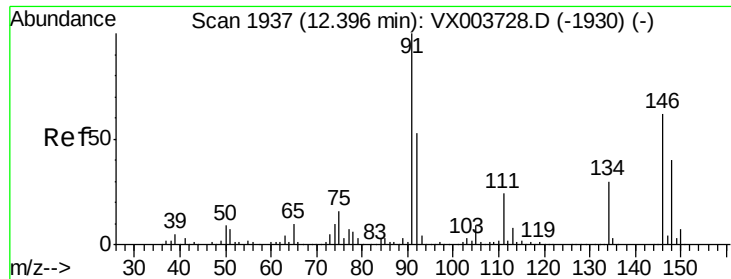
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#90
Hexachloroethane
Concen: 50.13 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003728.D
Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.5	49.3	147.8





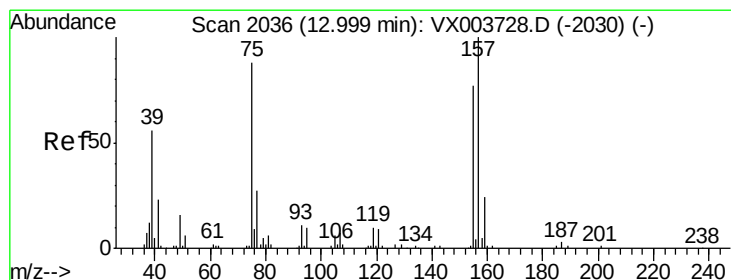
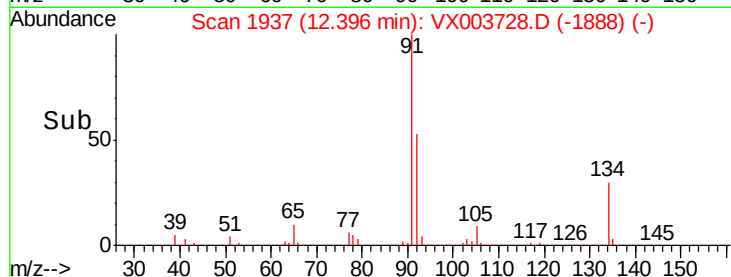
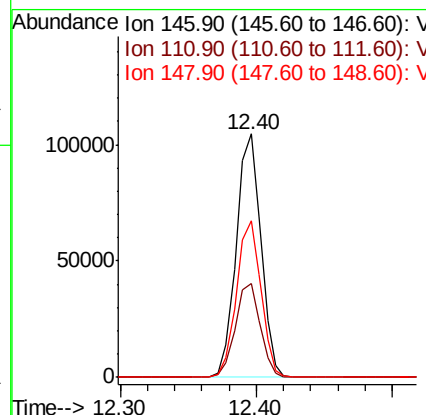
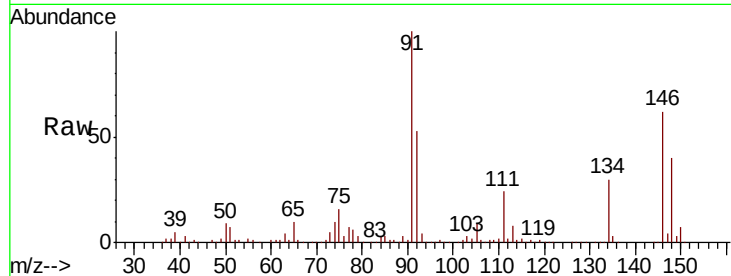
#91
 1,2-Dichlorobenzene
 Concen: 49.16 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	64.0	32.0	96.0

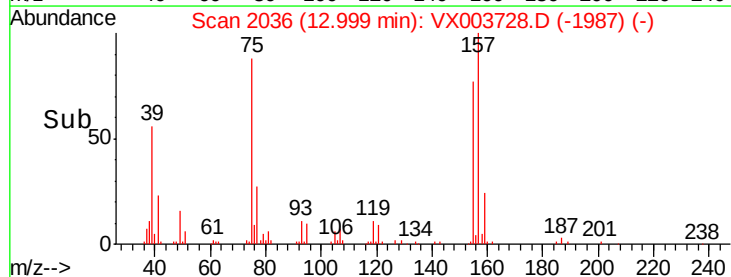
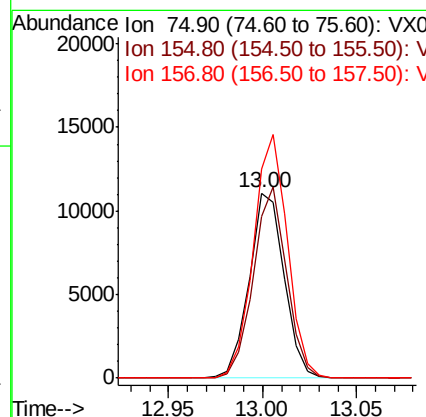
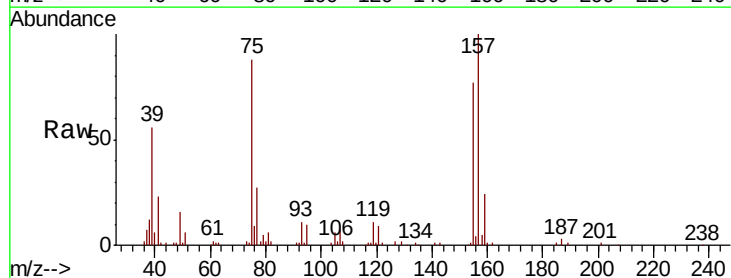
Manual Integrations
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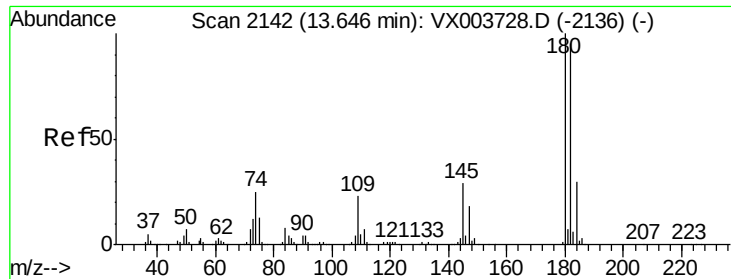
MMDadoda
 8/1/2018 10:40:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.62 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	48.9	146.7
157	127.4	63.7	191.1





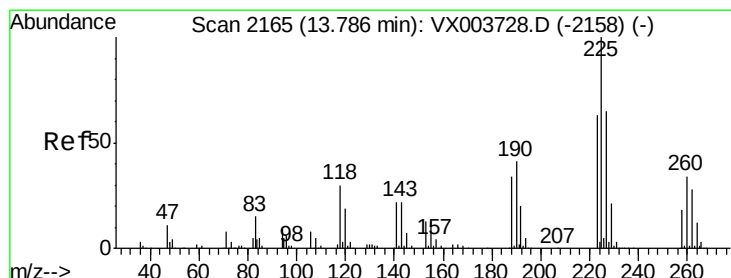
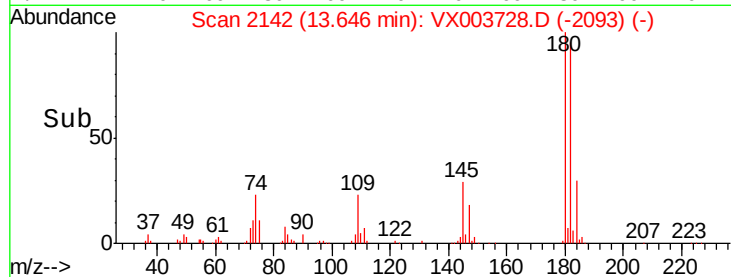
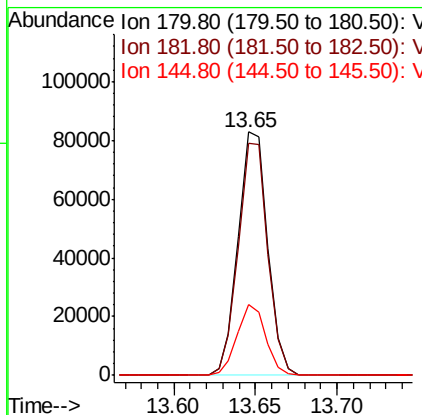
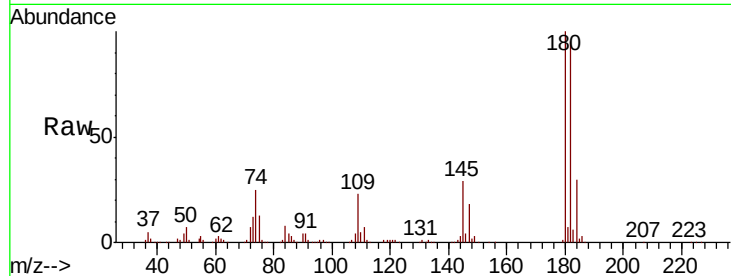
#93
 1,2,4-Trichlorobenzene
 Concen: 49.49 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105031		
182	95.3	47.6	142.9	
145	28.1	14.1	42.2	

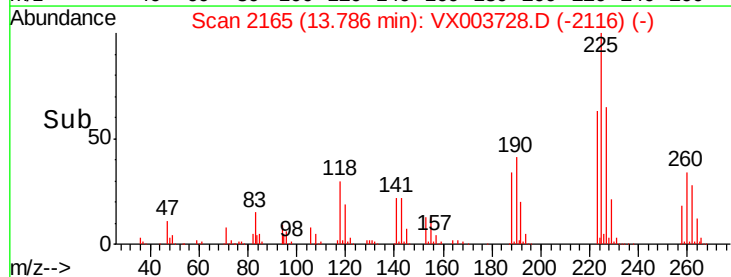
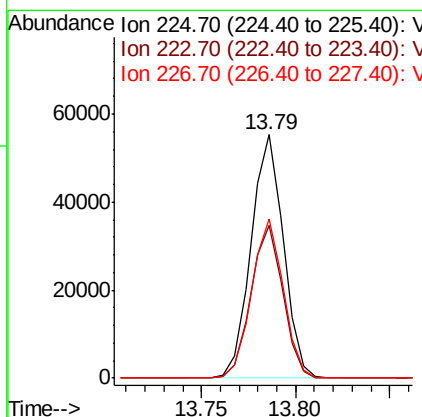
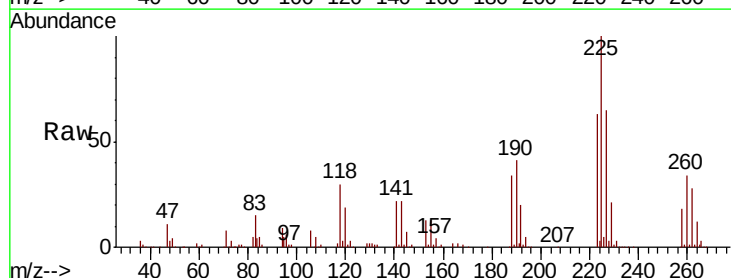
Manual Integrations
 APPROVED

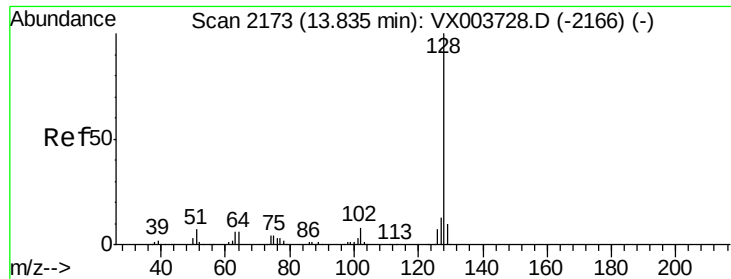
MMDadoda
 8/1/2018 10:40:08 AM



#94
 Hexachlorobutadiene
 Concen: 48.37 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003728.D
 Acq: 30 Jul 2018 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65644		
223	62.3	31.1	93.5	
227	63.9	31.9	95.9	





#95

Naphthalene

Concen: 52.13 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Instrument :

MSVOA_X

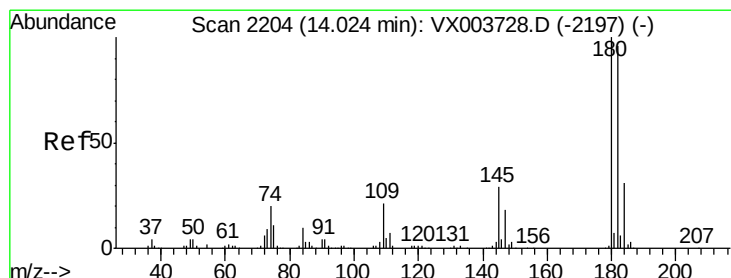
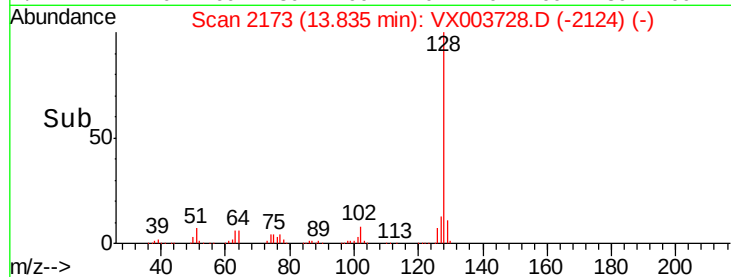
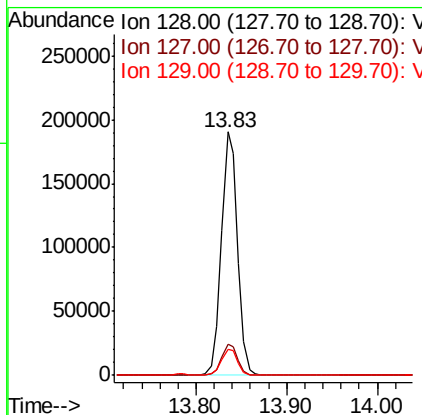
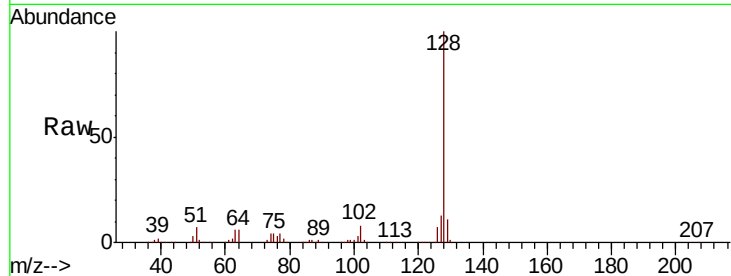
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	236409
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/1/2018 10:40:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.23 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003728.D

Acq: 30 Jul 2018 17:15

Tgt Ion:	180	Resp:	96764
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	29.4	14.7	44.1

