

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073018\
 Data File : VX003726.D
 Acq On : 30 Jul 2018 16:24
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:39:59 AM

Quant Time: Jul 31 11:13:29 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	5.66	168	110560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	168007	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	149530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	82854	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	11949	10.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.38%	
35) Dibromofluoromethane	5.50	113	9438	9.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.08%	
50) Toluene-d8	8.72	98	40715	9.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.74%	
62) 4-Bromofluorobenzene	11.14	95	14988	9.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	9692	10.39	ug/l	98
3) Chloromethane	1.32	50	12113	10.33	ug/l	99
4) Vinyl Chloride	1.40	62	12544	9.94	ug/l #	87
5) Bromomethane	1.63	94	8821	11.61	ug/l	87
6) Chloroethane	1.71	64	7655m	8.62	ug/l	
7) Trichlorofluoromethane	1.92	101	17164	15.01	ug/l	99
8) Diethyl Ether	2.18	74	6453	10.32	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	10678	10.17	ug/l	99
10) Methyl Iodide	2.50	142	10810	8.96	ug/l	98
11) Tert butyl alcohol	3.08	59	9014	49.78	ug/l	97
12) 1,1-Dichloroethene	2.37	96	9927	9.28	ug/l	93
13) Acrolein	2.29	56	4164	70.29	ug/l	91
14) Allyl chloride	2.72	41	18061	10.31	ug/l	97
15) Acrylonitrile	3.15	53	23572	51.19	ug/l	99
16) Acetone	2.45	43	21922	51.33	ug/l	98
17) Carbon Disulfide	2.56	76	32127	9.99	ug/l	99
18) Methyl Acetate	2.78	43	11779	9.81	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	28133	10.46	ug/l	96
20) Methylene Chloride	2.85	84	14102	10.77	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	11013	10.17	ug/l	97
22) Diisopropyl ether	3.87	45	32791	10.37	ug/l	99
23) Vinyl Acetate	3.82	43	112451	49.30	ug/l	100
24) 1,1-Dichloroethane	3.70	63	18679	10.13	ug/l	98
25) 2-Butanone	4.70	43	31240	50.17	ug/l	99
26) 2,2-Dichloropropane	4.58	77	14791	10.18	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	11742	10.06	ug/l	94
28) Bromochloromethane	5.02	49	8629	10.43	ug/l	95
29) Tetrahydrofuran	5.16	42	20721	52.22	ug/l	99
30) Chloroform	5.21	83	18825	10.36	ug/l	100
31) Cyclohexane	5.57	56	17901	10.05	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	15655	10.02	ug/l	99
36) 1,1-Dichloropropene	5.80	75	15517	9.86	ug/l	98
37) Ethyl Acetate	4.85	43	11677	9.66	ug/l	97
38) Carbon Tetrachloride	5.78	117	13994	9.62	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	18431	9.54	ug/l	90
40) Benzene	6.14	78	46693	10.36	ug/l	99
41) Methacrylonitrile	5.06	41	6737	9.89	ug/l	97
42) 1,2-Dichloroethane	6.20	62	14105	10.36	ug/l	98
43) Isopropyl Acetate	6.46	43	19362	10.05	ug/l	99
44) Trichloroethene	7.21	130	13001	10.11	ug/l	83
45) 1,2-Dichloropropane	7.51	63	10997	9.92	ug/l	97
46) Dibromomethane	7.66	93	6208	9.72	ug/l	97
47) Bromodichloromethane	7.90	83	12063	9.47	ug/l	96
48) Methyl methacrylate	7.77	41	9298	9.63	ug/l	99
49) 1,4-Dioxane	7.76	88	3807	195.28	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	57317	48.43	ug/l	98
52) Toluene	8.79	92	27716	9.85	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	13607	9.36	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	15091	9.31	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	9642	9.96	ug/l	98
56) Ethyl methacrylate	9.18	69	12153	9.14	ug/l	97
57) 1,3-Dichloropropane	9.37	76	16163	9.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	27034	42.50	ug/l	99
59) 2-Hexanone	9.50	43	42644	47.30	ug/l	97
60) Dibromochloromethane	9.59	129	9065	9.30	ug/l	97
61) 1,2-Dibromoethane	9.67	107	9599	9.71	ug/l	98
64) Tetrachloroethene	9.34	164	11425	9.72	ug/l	96
65) Chlorobenzene	10.14	112	31096	9.95	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	9887	9.70	ug/l	99
67) Ethyl Benzene	10.26	91	50872	9.64	ug/l	100
68) m/p-Xylenes	10.36	106	39711	19.24	ug/l	99
69) o-Xylene	10.70	106	18414	9.61	ug/l	98
70) Styrene	10.71	104	30541	9.47	ug/l	99
71) Bromoform	10.86	173	6472	9.24	ug/l #	99
73) Isopropylbenzene	11.02	105	51601	9.95	ug/l	99
74) N-amyl acetate	6.46	43	19362	11.74	ug/l #	57
75) 1,1,1,2-Tetrachloroethane	11.27	83	13903	10.31	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	11921m	10.44	ug/l	
77) Bromobenzene	11.26	156	13535	10.01	ug/l	97
78) n-propylbenzene	11.36	91	62387	9.93	ug/l	100
79) 2-Chlorotoluene	11.42	91	36210	10.15	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	43334	8.56	ug/l #	67
81) trans-1,4-Dichloro-2-buten	11.08	75	3544	9.19	ug/l	88
82) 4-Chlorotoluene	11.51	91	43806	10.12	ug/l	99
83) tert-Butylbenzene	11.77	119	42997	9.82	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	44769	9.82	ug/l	98
85) sec-Butylbenzene	11.94	105	55153	9.84	ug/l	99
86) p-Isopropyltoluene	12.07	119	49765	11.08	ug/l #	71
87) 1,3-Dichlorobenzene	12.03	146	27515	10.06	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	28097	10.07	ug/l	98
89) n-Butylbenzene	12.39	91	47376	9.78	ug/l	100
90) Hexachloroethane	12.60	117	7010	9.27	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	25142	9.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2668	9.97	ug/l	90

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MSVOA_X
ClientSampleId :
VSTDICC010

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	19827	9.81	ug/l	100
94) Hexachlorobutadiene	13.79	225	12819	9.92	ug/l	99
95) Naphthalene	13.83	128	40989	9.49	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	18094	9.86	ug/l	100

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

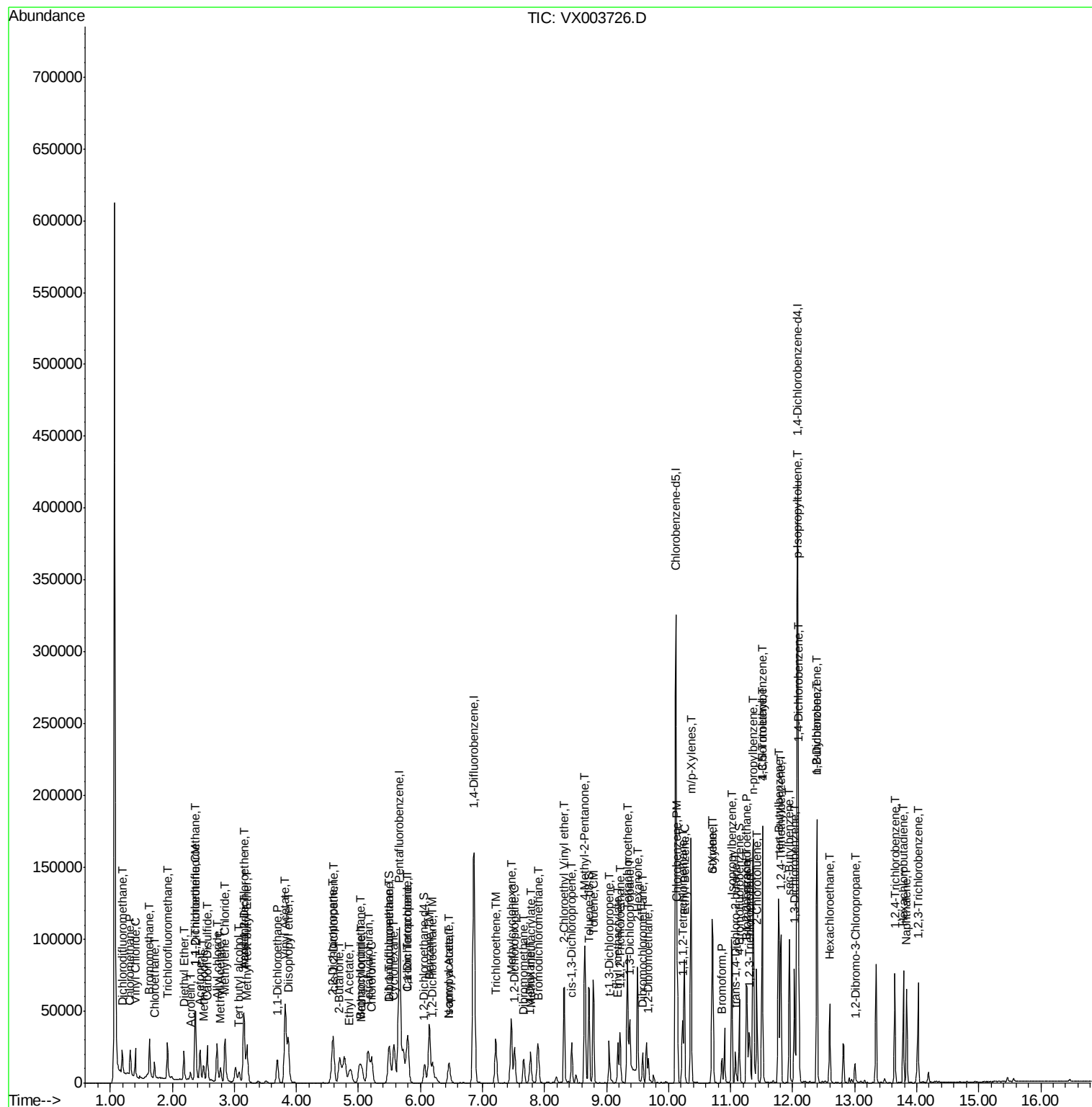
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Operator : JC/SP
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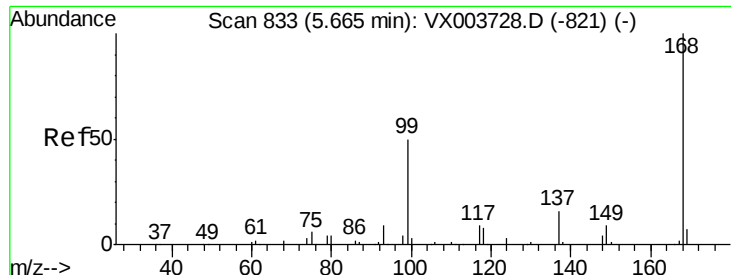
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 110560

Ion Ratio Lower Upper

168 100

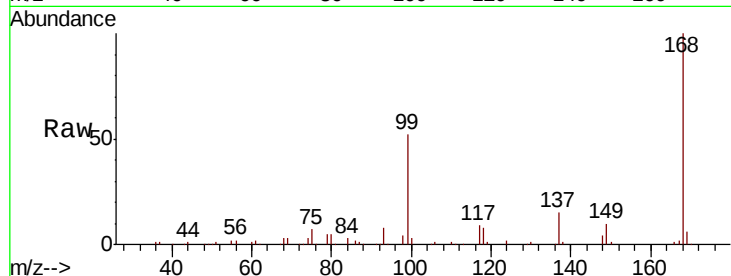
99 51.6 40.2 60.2

Manual Integrations

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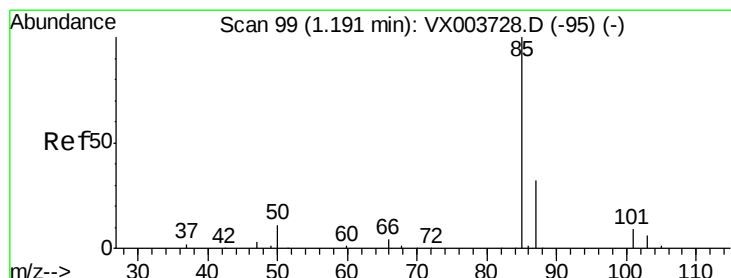
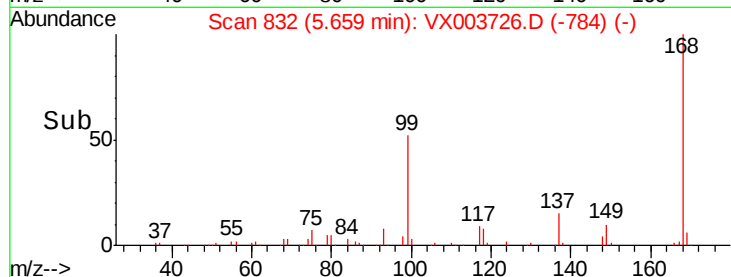
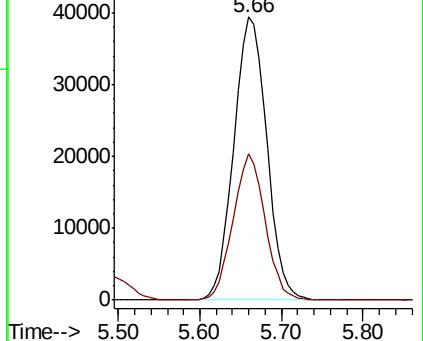
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 10.39 ug/l

RT: 1.19 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX003726.D

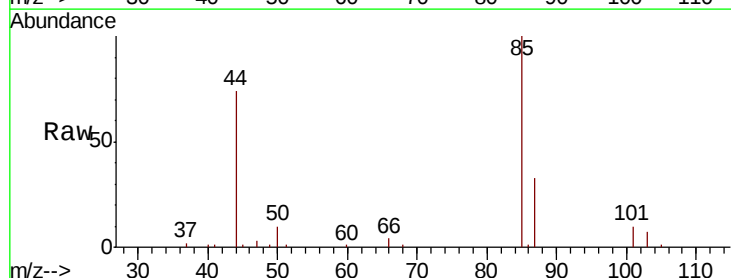
Acq: 30 Jul 2018 16:24

Tgt Ion: 85 Resp: 9692

Ion Ratio Lower Upper

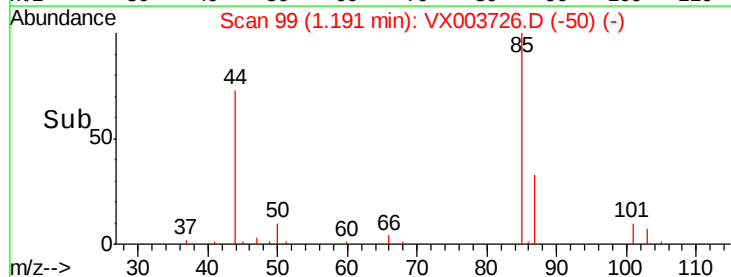
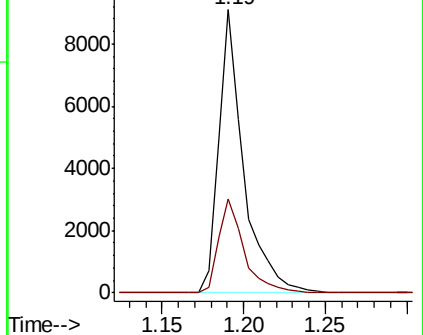
85 100

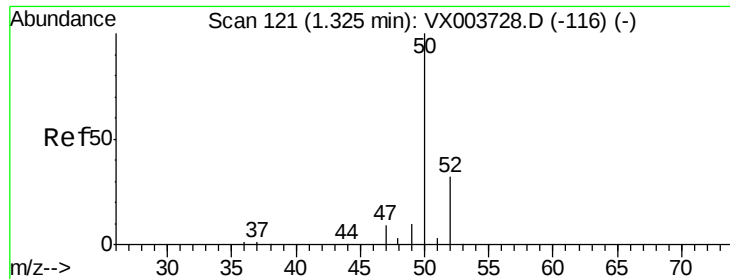
87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 10.33 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

VSTDIC010

Tot Ion: 50 Resp: 12113

Ion Ratio Lower Upper

50 100

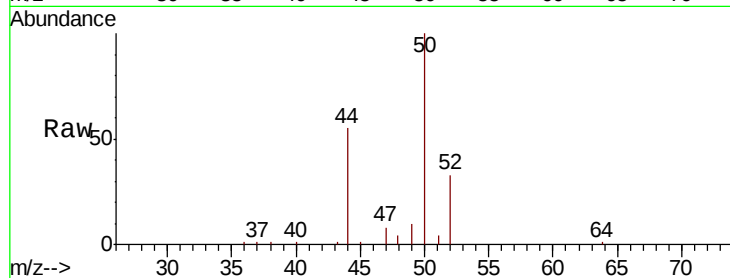
52 33.0 25.9 38.9

Manual Integrations

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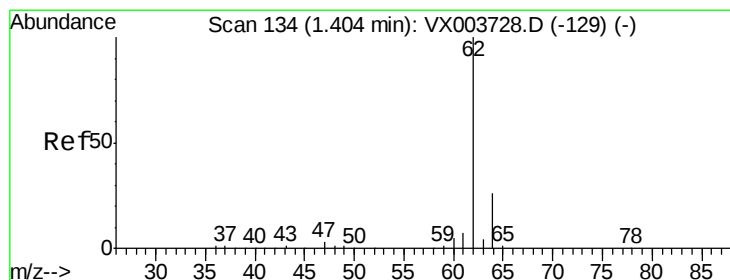
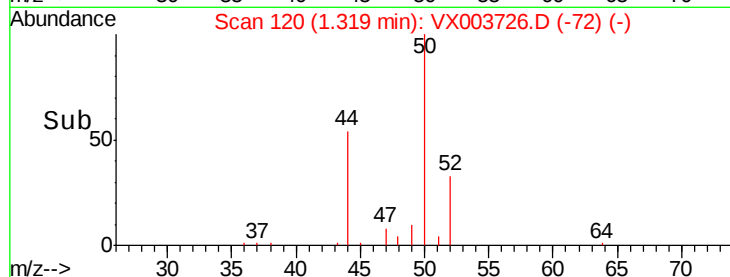
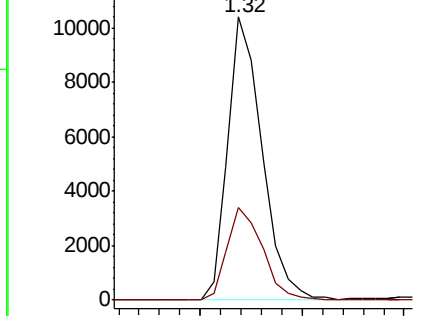
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 9.94 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003726.D

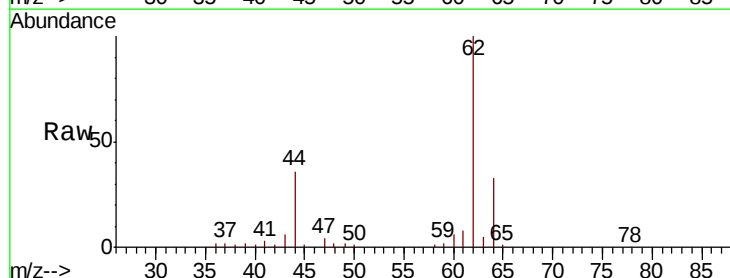
Acq: 30 Jul 2018 16:24

Tgt Ion: 62 Resp: 12544

Ion Ratio Lower Upper

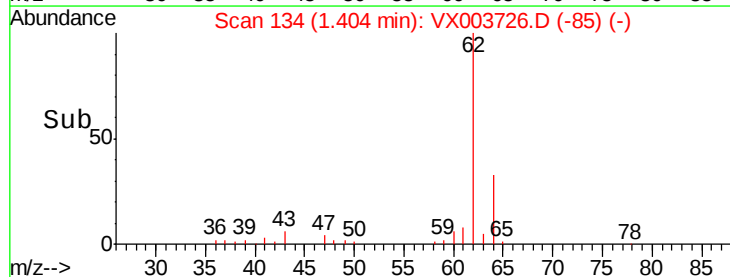
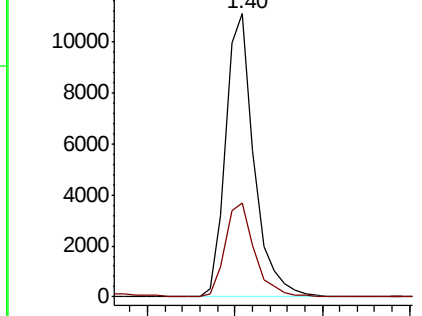
62 100

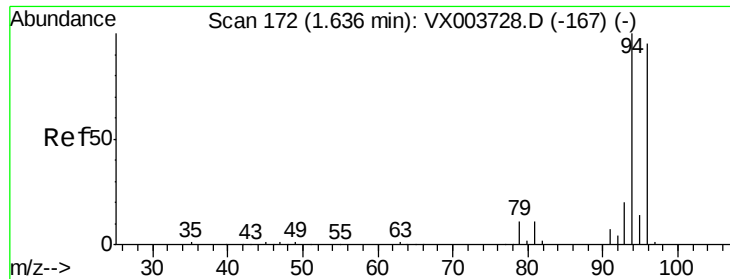
64 33.1 21.0 31.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 11.61 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

VSTDIC010

Tot Ion: 94 Resp: 8821

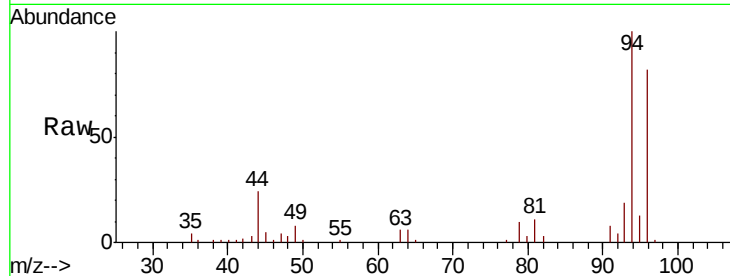
Ion Ratio Lower Upper

94 100

96 82.1 76.0 114.0

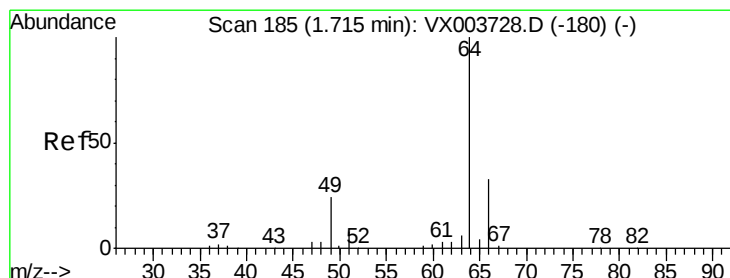
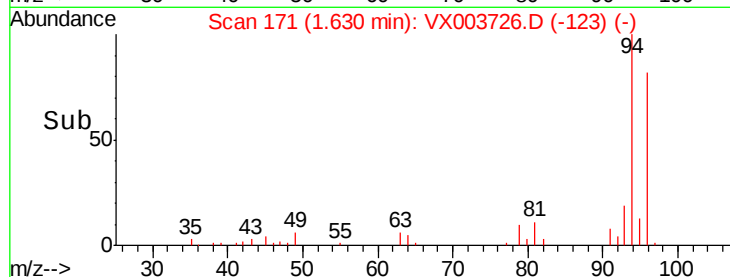
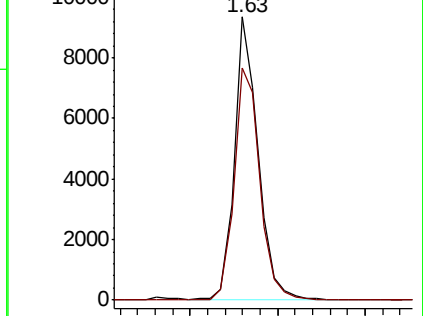
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 8.62 ug/l m

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX003726.D

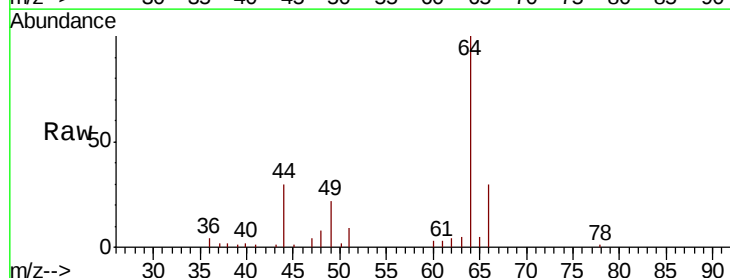
Acq: 30 Jul 2018 16:24

Tgt Ion: 64 Resp: 7655

Ion Ratio Lower Upper

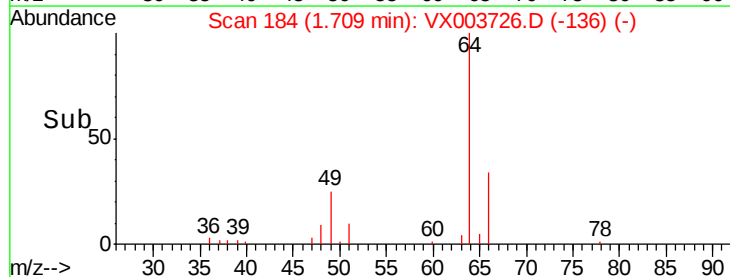
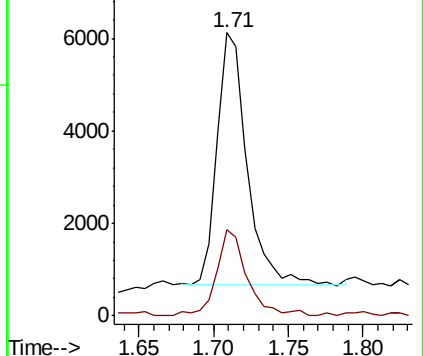
64 100

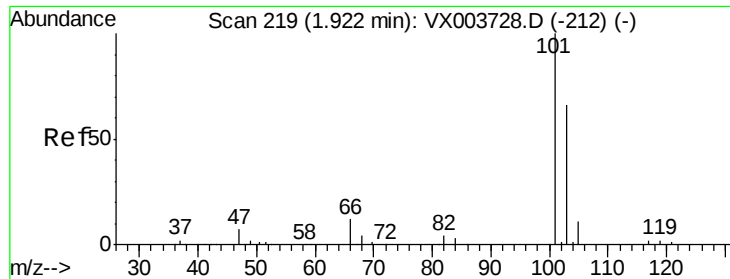
66 30.3 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

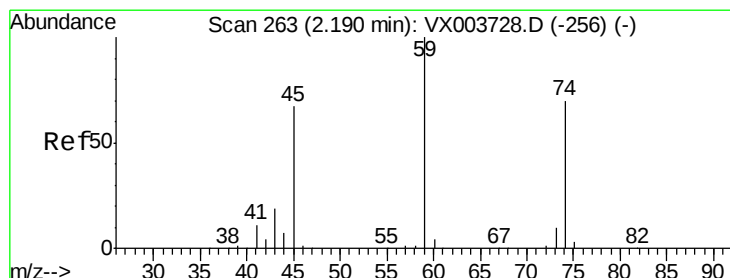
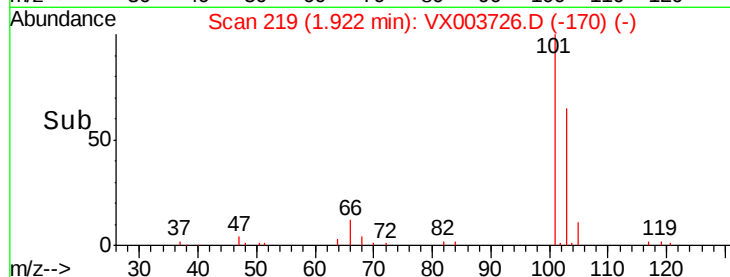
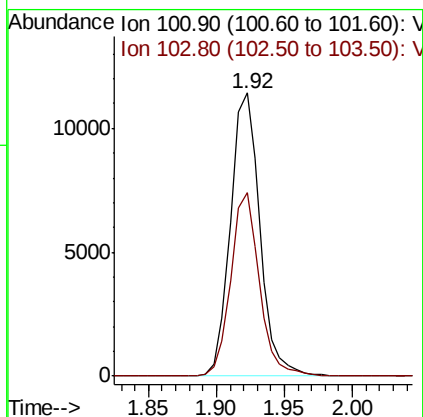
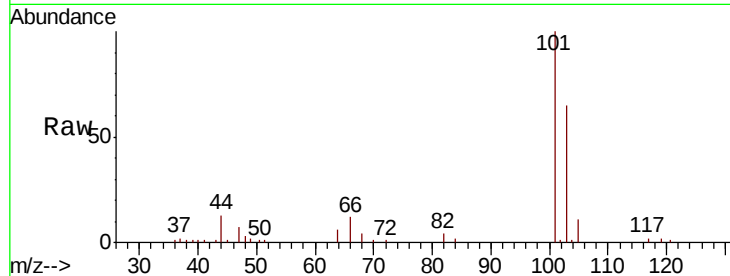
Trichlorofluoromethane
 Concen: 15.01 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC010

Tot Ion:101 Resp: 17164
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.6 78.8

Manual Integrations
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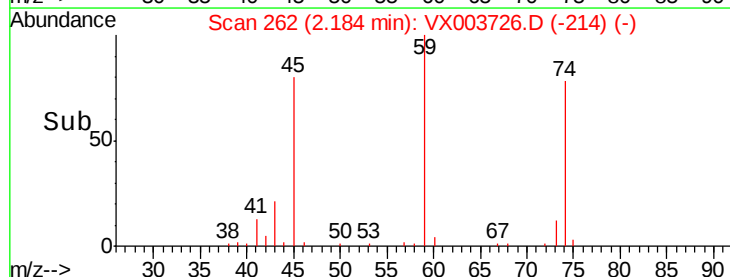
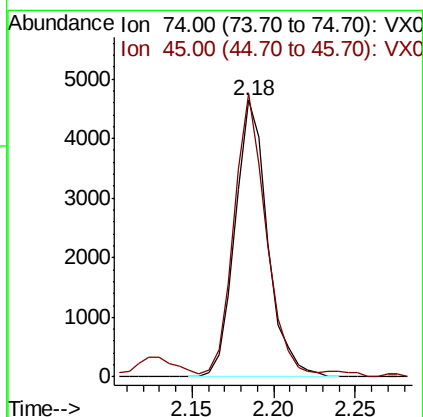
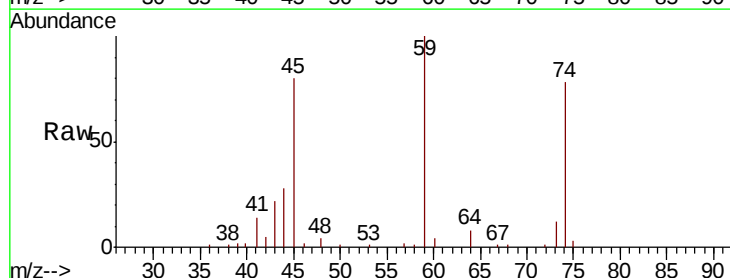
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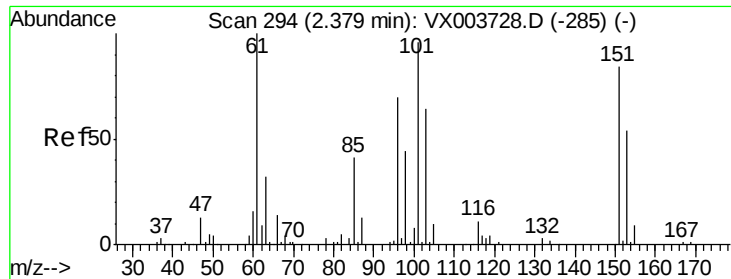


#8

Diethyl Ether
 Concen: 10.32 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Tgt Ion: 74 Resp: 6453
 Ion Ratio Lower Upper
 74 100
 45 98.2 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.17 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

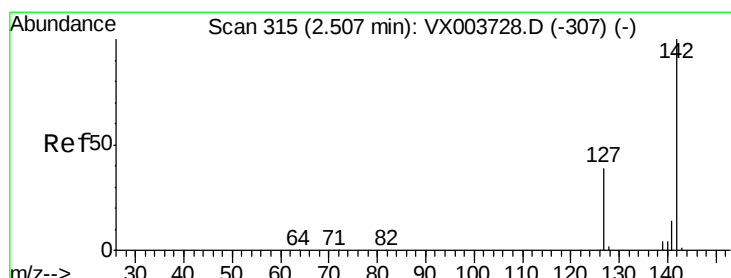
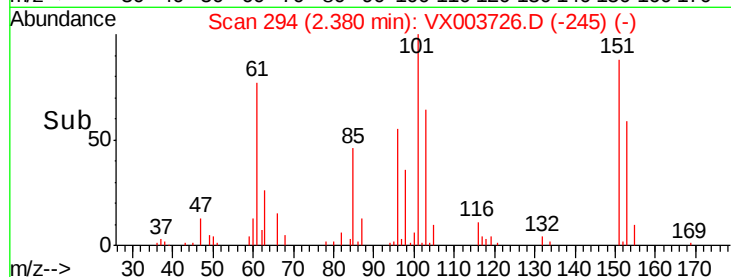
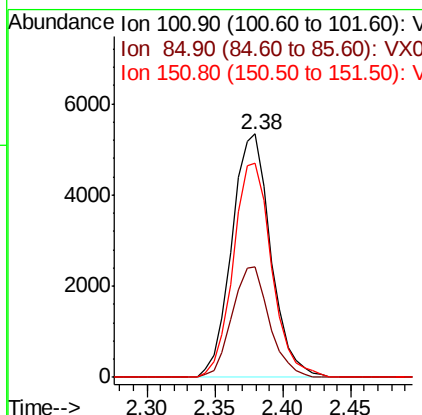
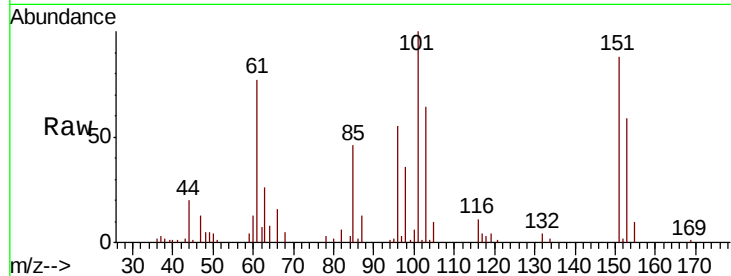
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	10678
Ion Ratio	Lower	Upper	
101	100		
85	43.2	33.3	49.9
151	86.7	68.8	103.2

Manual Integrations
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MMDadoda
8/1/2018 10:39:59 AM



#10

Methyl Iodide

Concen: 8.96 ug/l

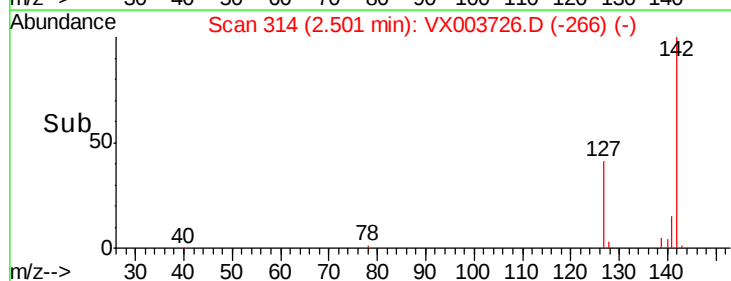
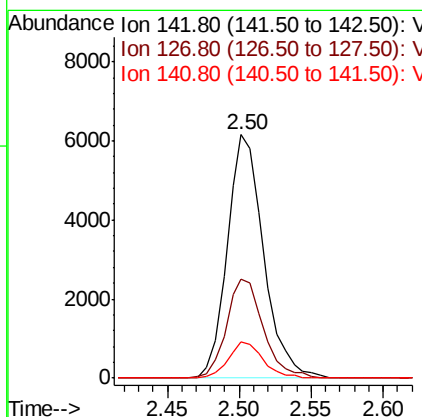
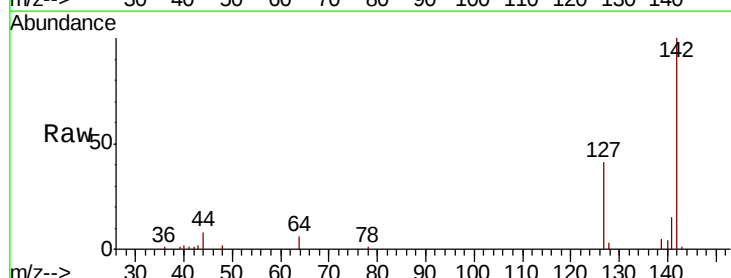
RT: 2.50 min Scan# 314

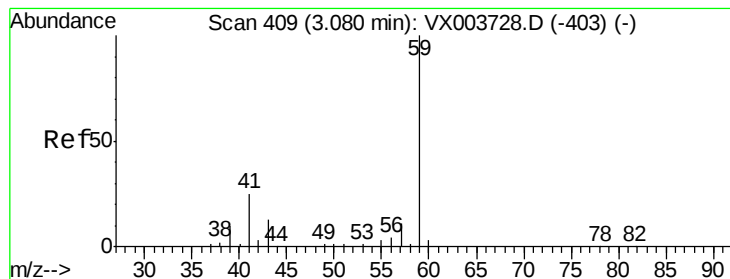
Delta R.T. -0.01 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Tgt Ion:	142	Resp:	10810
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.0	48.0
141	14.3	11.3	16.9





#11

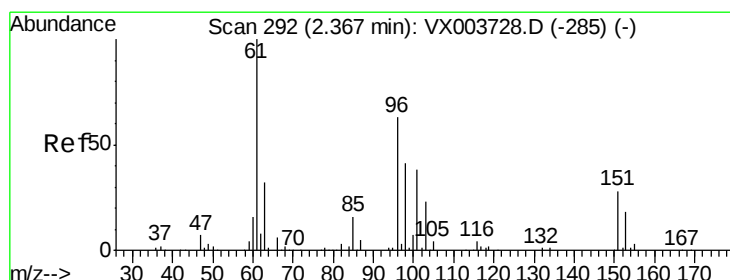
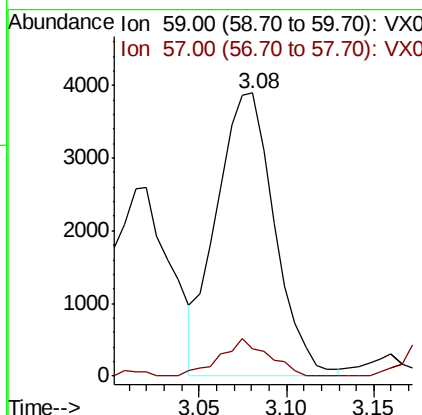
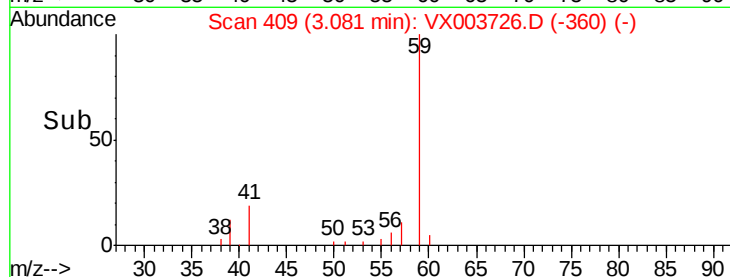
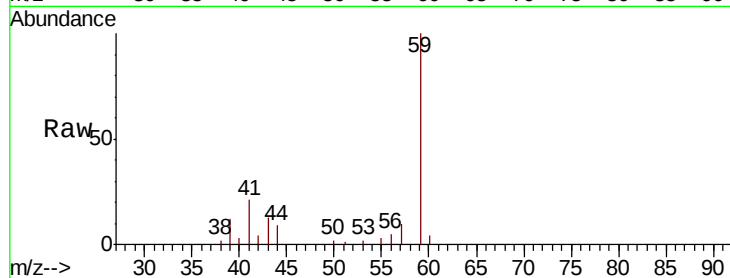
Tert butyl alcohol
Concen: 49.78 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.1	12.1

Manual Integrations
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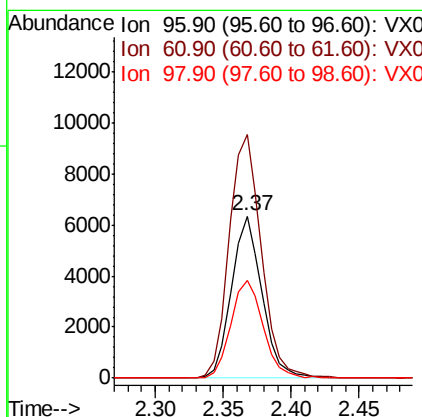
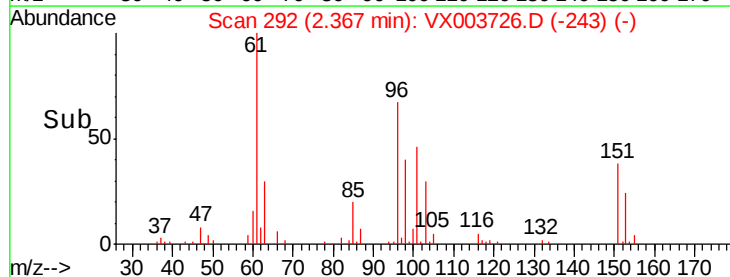
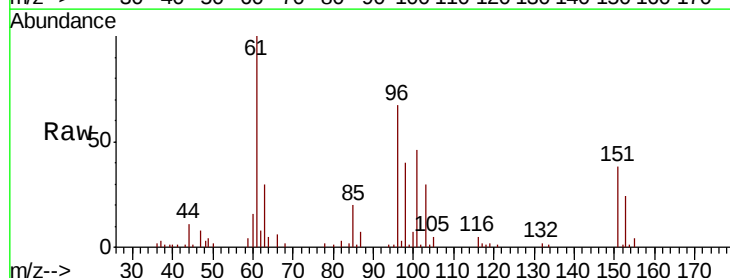
MMDadoda
8/1/2018 10:39:59 AM

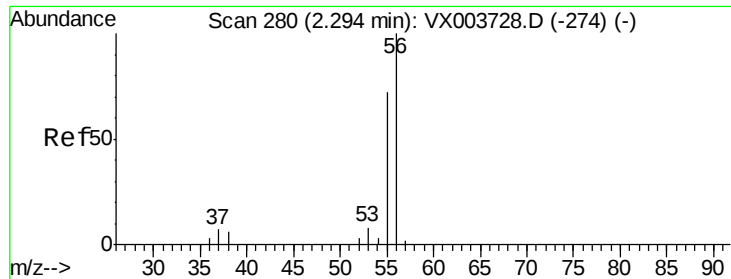


#12

1,1-Dichloroethene
Concen: 9.28 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.1	127.1	190.7
98	60.1	52.0	78.0





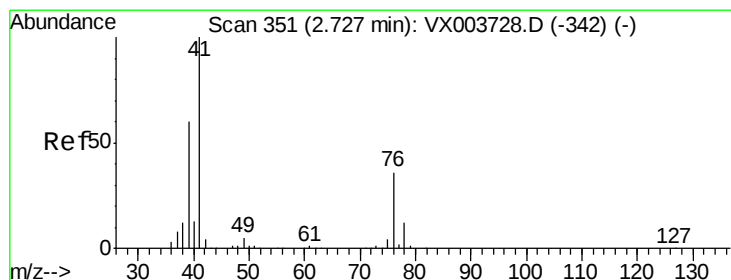
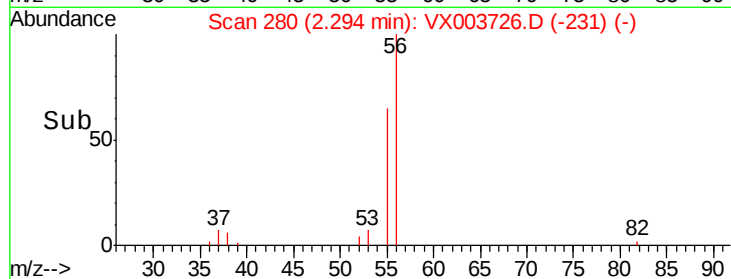
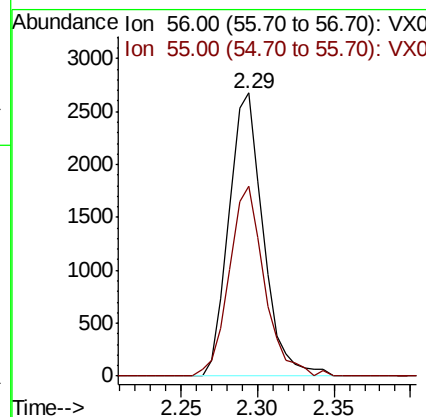
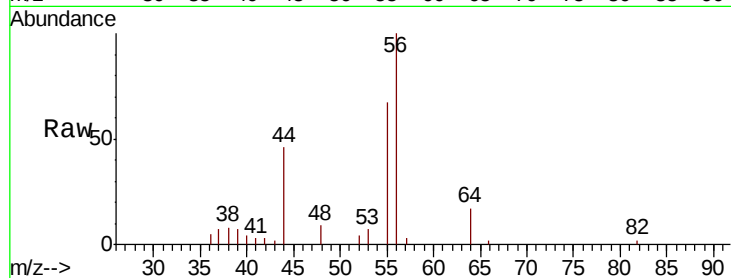
#13
Acrolein
Concen: 70.29 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion: 56 Resp: 4164
Ion Ratio Lower Upper
56 100
55 69.0 61.4 92.0

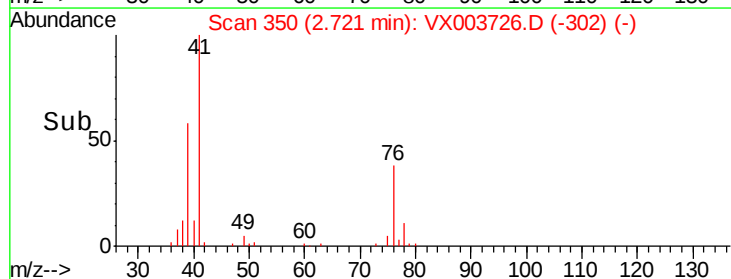
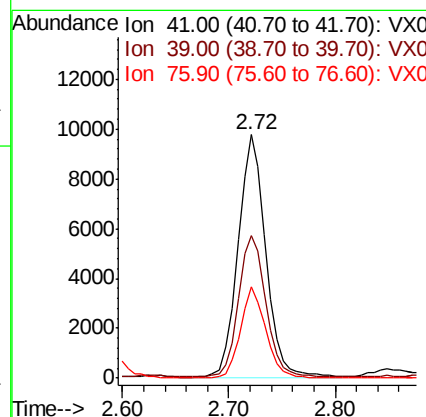
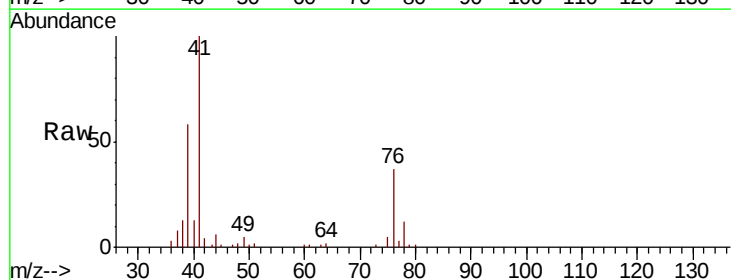
Manual Integrations
APPROVED

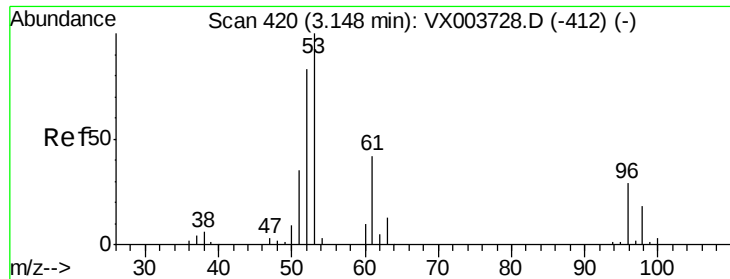
MMDadoda
8/1/2018 10:39:59 AM



#14
Allyl chloride
Concen: 10.31 ug/l
RT: 2.72 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion: 41 Resp: 18061
Ion Ratio Lower Upper
41 100
39 56.4 47.7 71.5
76 33.7 27.0 40.6





#15

Acrylonitrile

Concen: 51.19 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

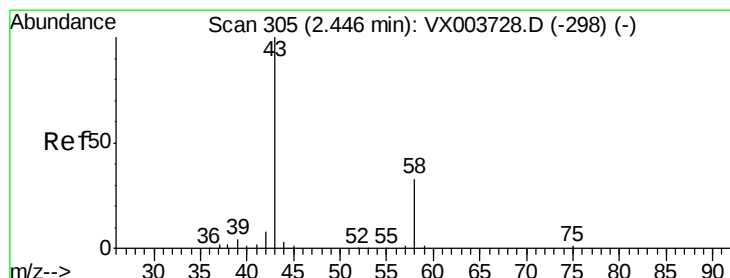
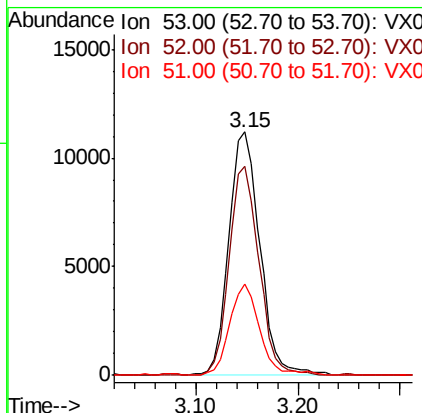
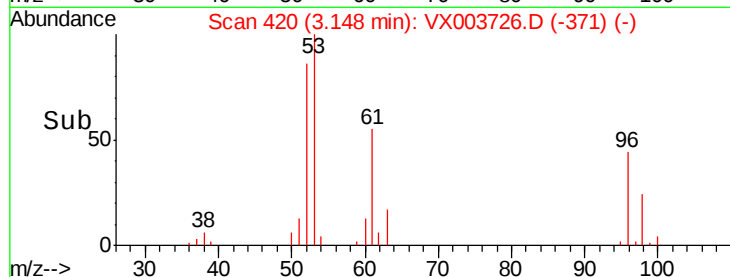
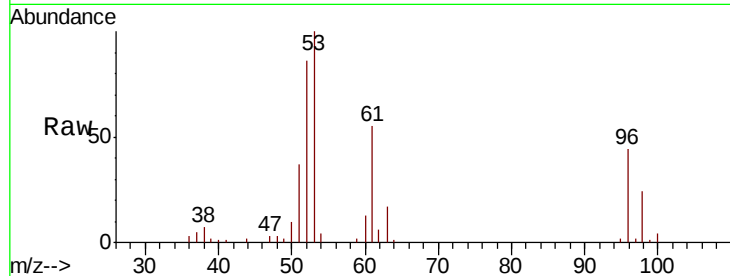
ClientSampled :

VSTDIC010

Tot Ion:	53	Resp:	23572
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	36.4	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 51.33 ug/l

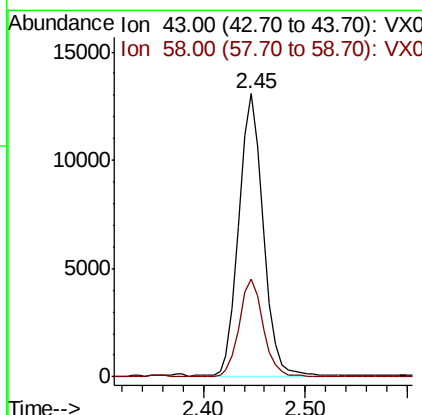
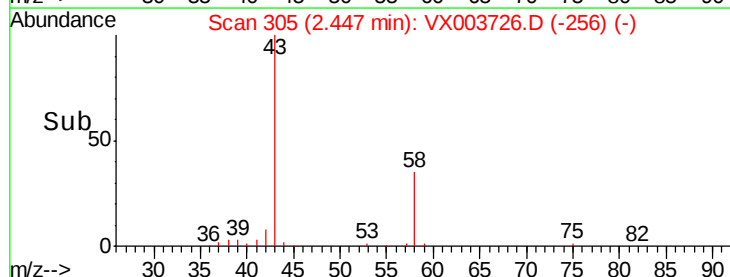
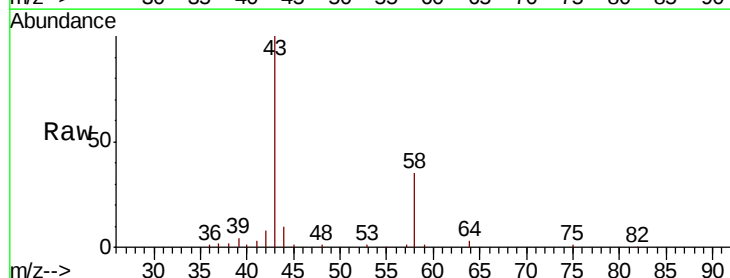
RT: 2.45 min Scan# 305

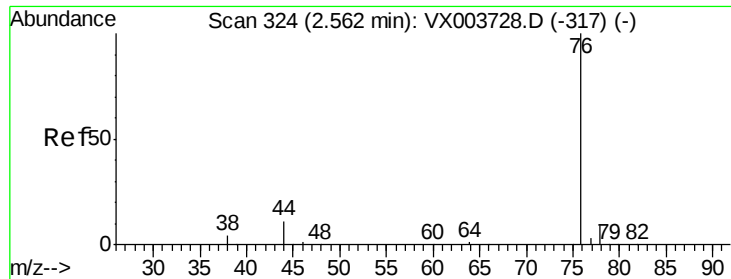
Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Tgt Ion:	43	Resp:	21922
Ion	Ratio	Lower	Upper
43	100		
58	34.5	26.7	40.1





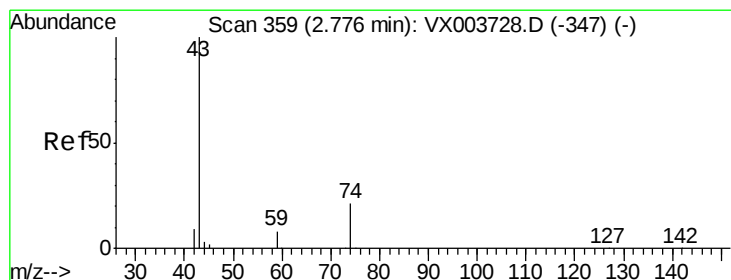
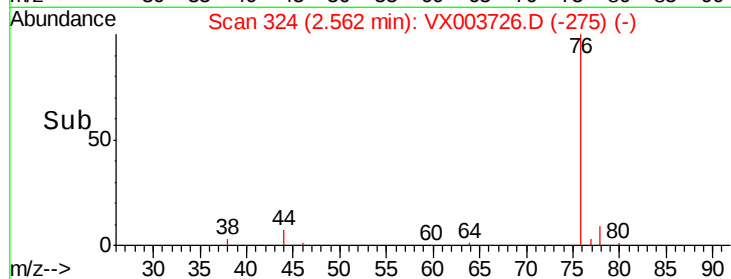
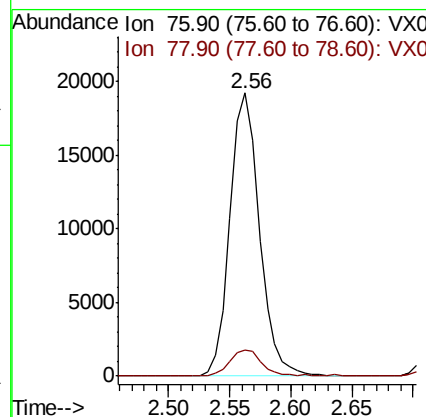
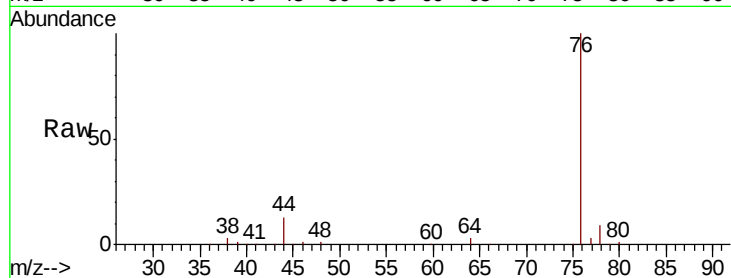
#17
Carbon Disulfide
Concen: 9.99 ug/l
RT: 2.56 min Scan# 324
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

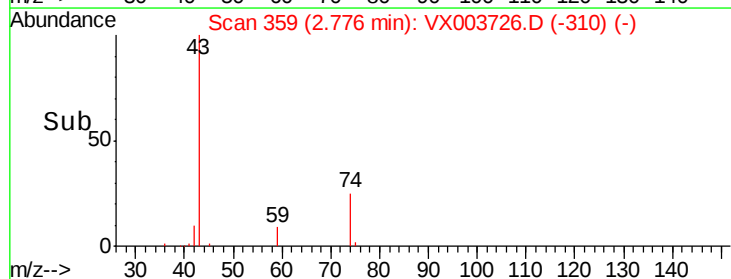
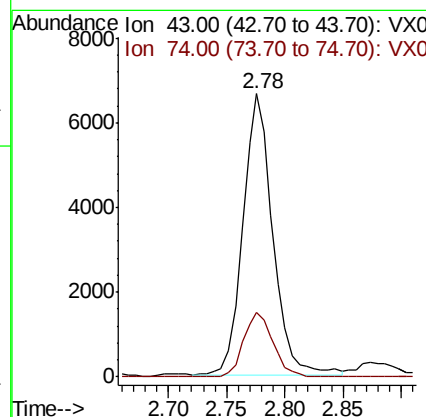
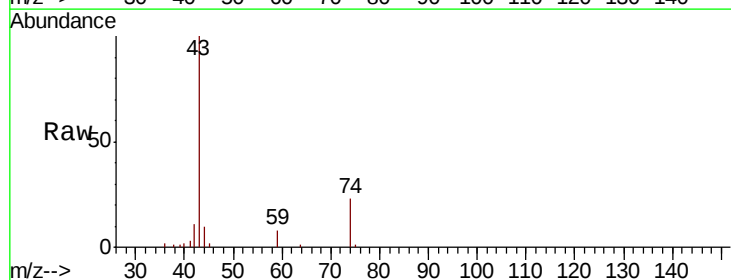
Manual Integrations
APPROVED

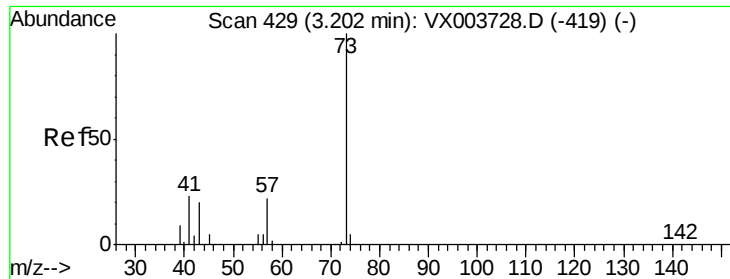
MMDadoda
8/1/2018 10:39:59 AM



#18
Methyl Acetate
Concen: 9.81 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.9	28.3





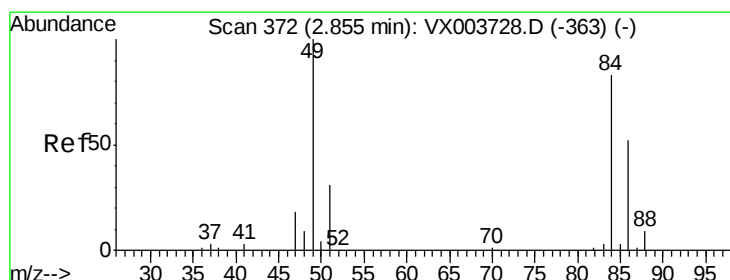
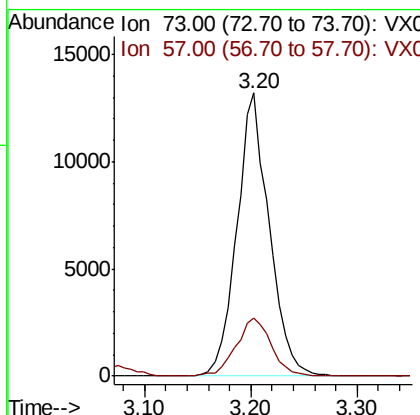
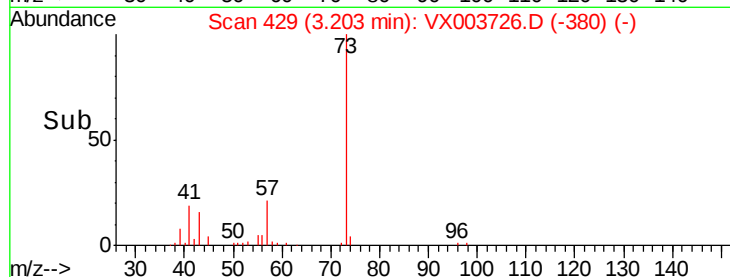
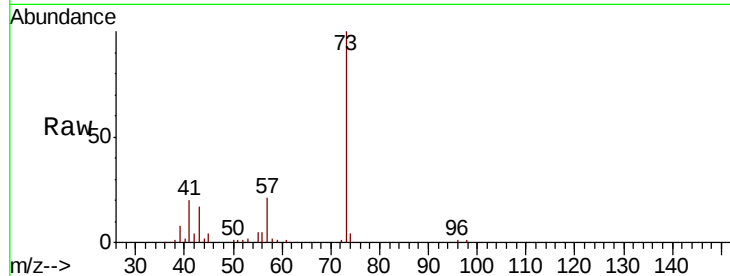
#19
Methyl tert-butyl Ether
Concen: 10.46 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	18.0	27.0

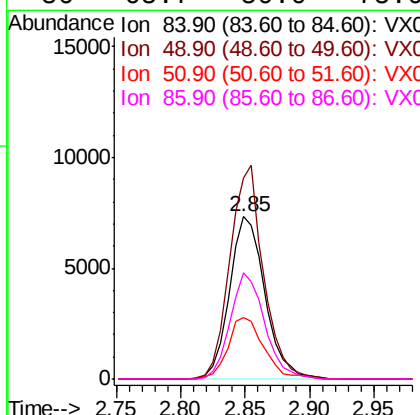
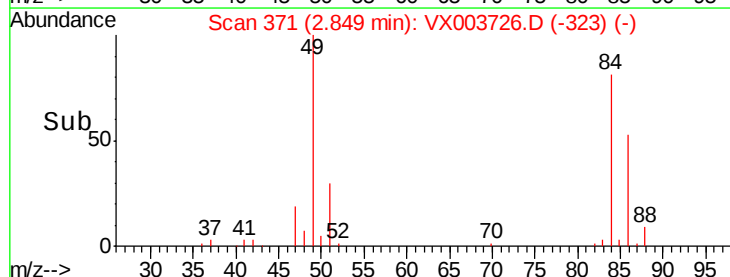
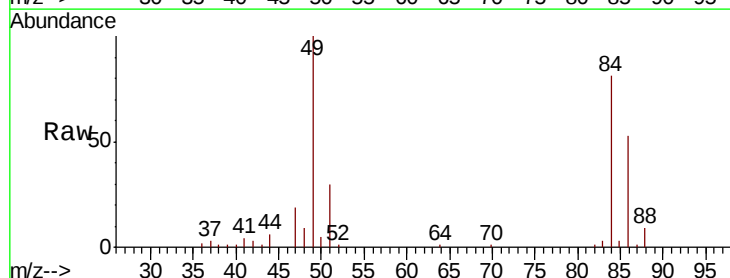
Manual Integrations
APPROVED

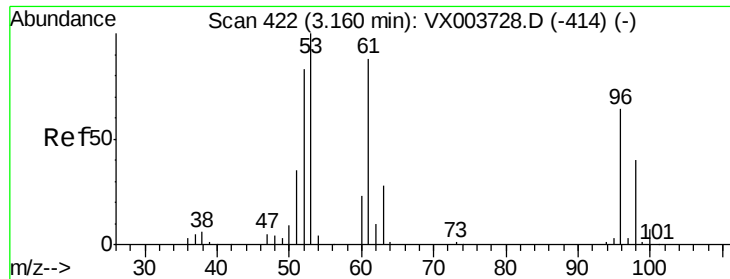
MMDadoda
8/1/2018 10:39:59 AM



#20
Methylene Chloride
Concen: 10.77 ug/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.0	95.8	143.8
51	37.5	29.6	44.4
86	65.7	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 10.17 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 11013

Ion Ratio Lower Upper

96 100

61 133.2 110.9 166.3

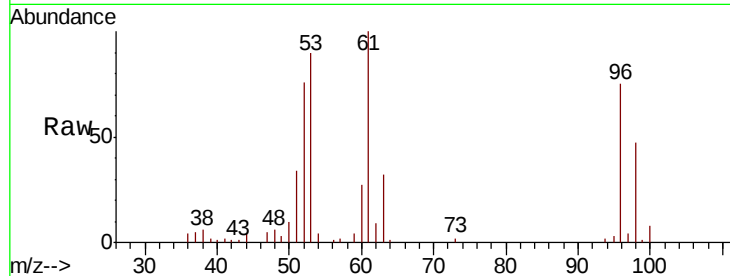
98 62.6 50.2 75.4

Manual Integrations

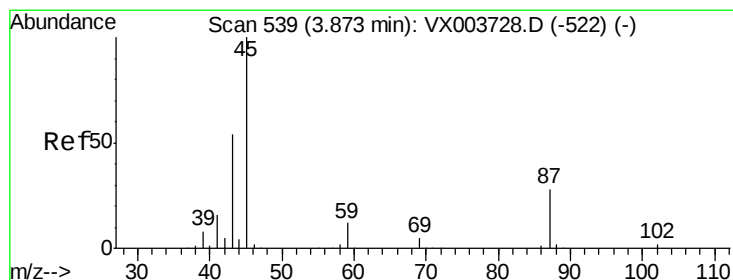
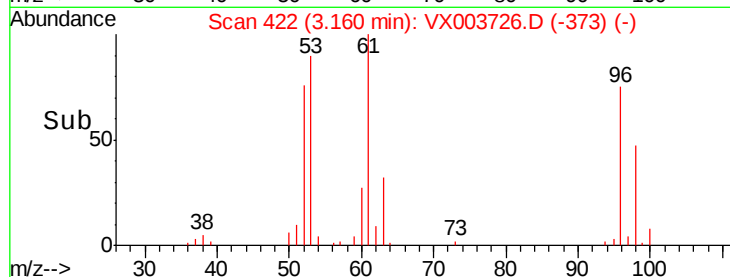
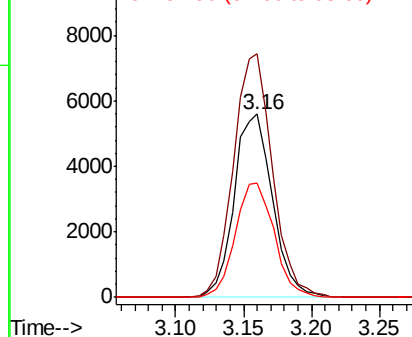
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8/1/2018 10:39:59 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 10.37 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Tgt Ion: 45 Resp: 32791

Ion Ratio Lower Upper

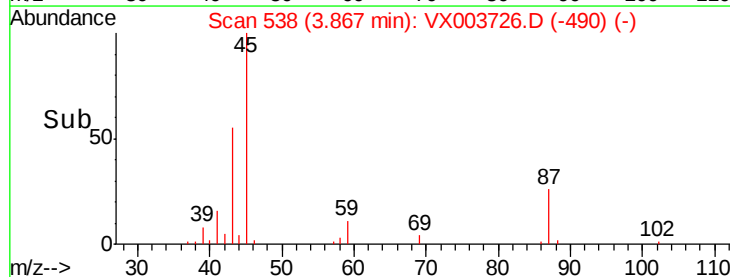
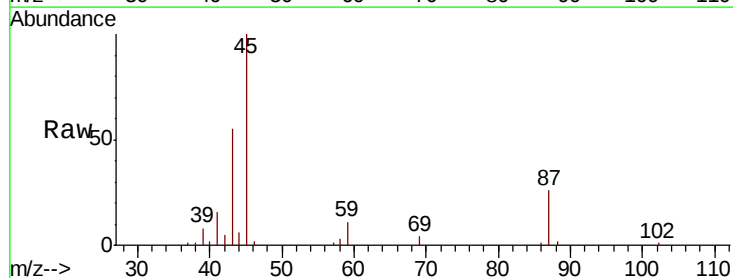
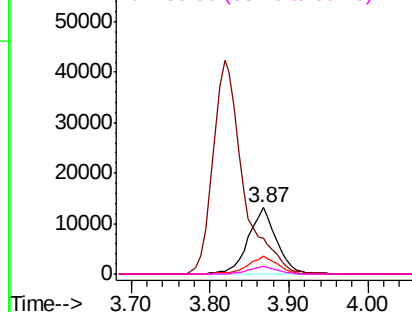
45 100

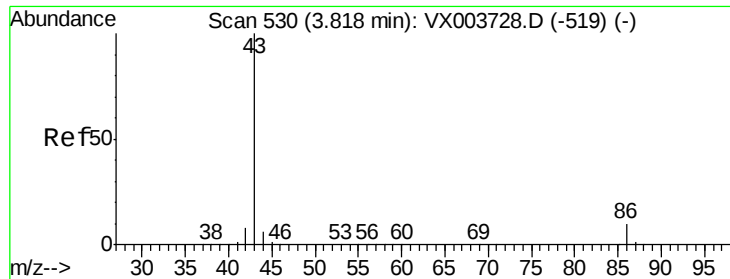
43 54.3 43.5 65.3

87 26.5 22.6 33.8

59 10.7 9.3 13.9

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 49.30 ug/l

RT: 3.82 min Scan# 530

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 112451

Ion Ratio Lower Upper

43 100

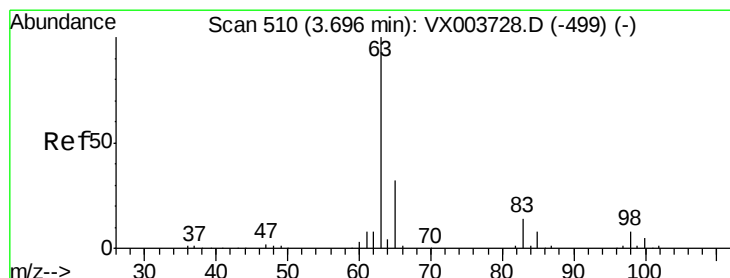
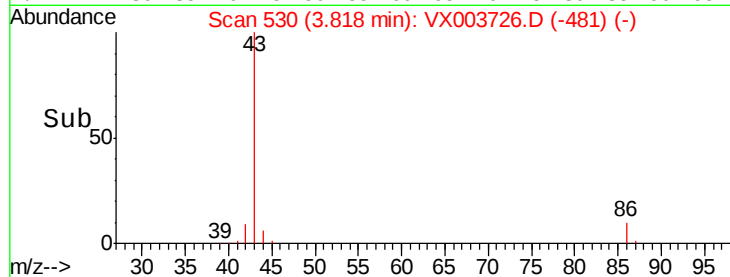
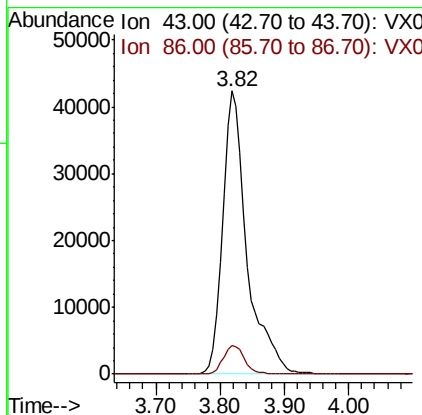
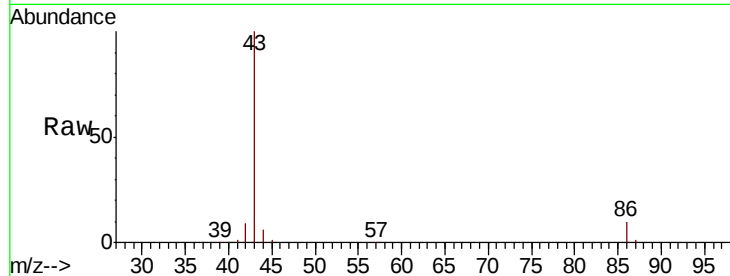
86 10.3 8.2 12.2

Manual Integrations

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8/1/2018 10:39:59 AM



#24

1,1-Dichloroethane

Concen: 10.13 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

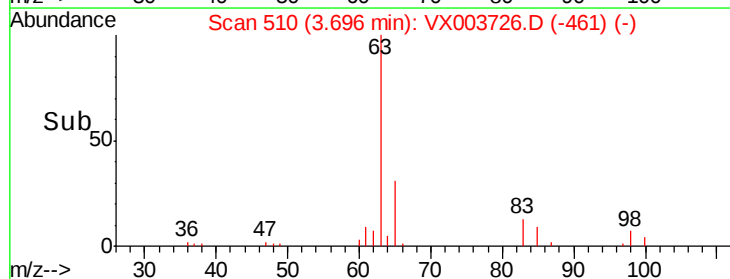
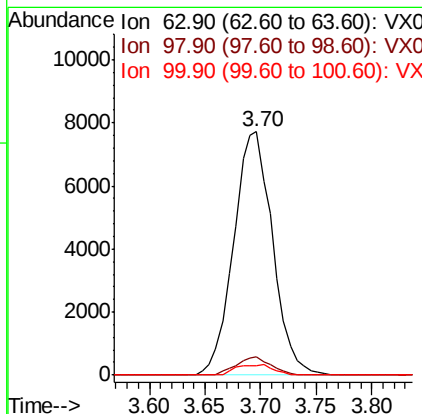
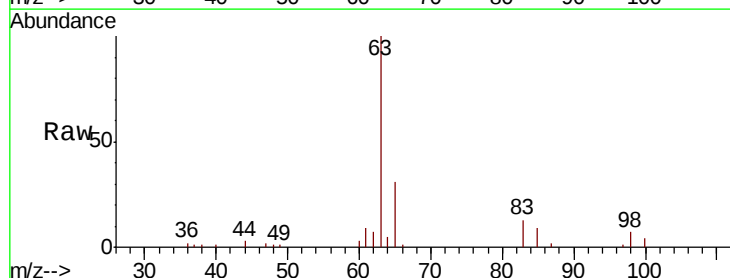
Tgt Ion: 63 Resp: 18679

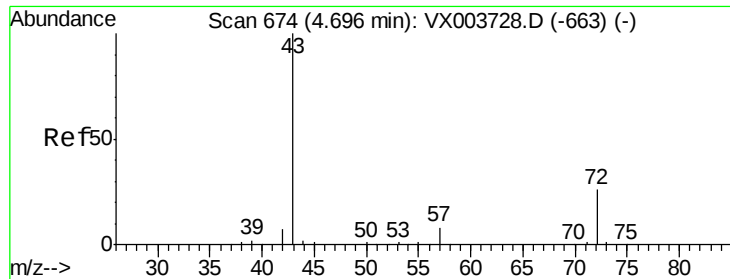
Ion Ratio Lower Upper

63 100

98 7.3 4.0 12.0

100 3.8 2.4 7.2





#25

2-Butanone

Concen: 50.17 ug/l

RT: 4.70 min Scan# 674

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 31240

Ion Ratio Lower Upper

43 100

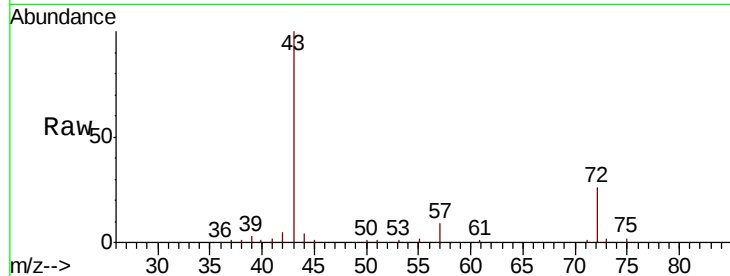
72 25.8 20.9 31.3

Manual Integrations

APPROVED

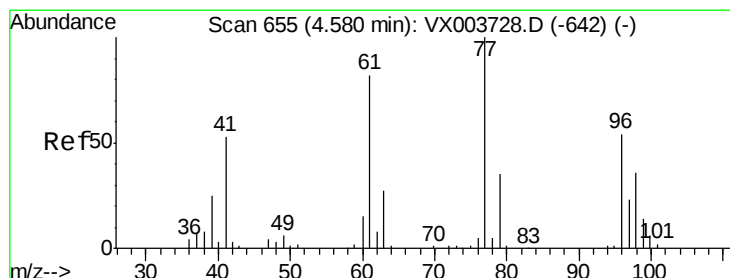
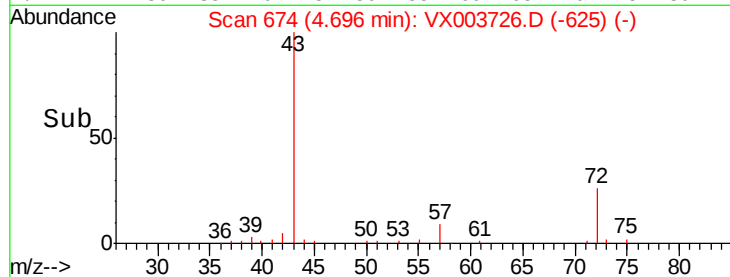
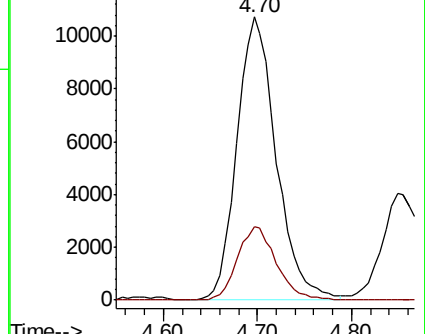
MMDadoda

8/1/2018 10:39:59 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: 10.18 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003726.D

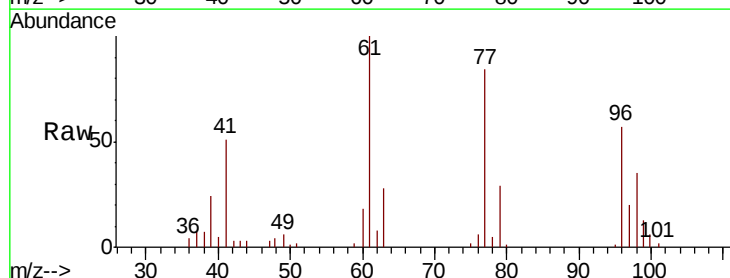
Acq: 30 Jul 2018 16:24

Tgt Ion: 77 Resp: 14791

Ion Ratio Lower Upper

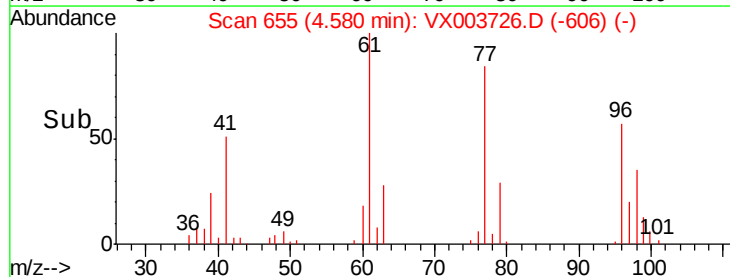
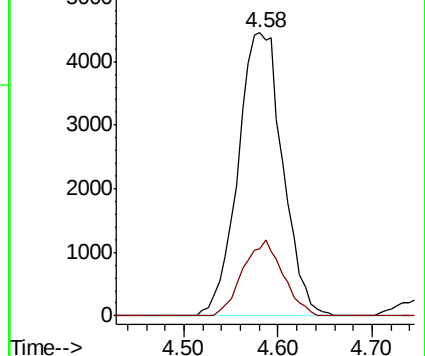
77 100

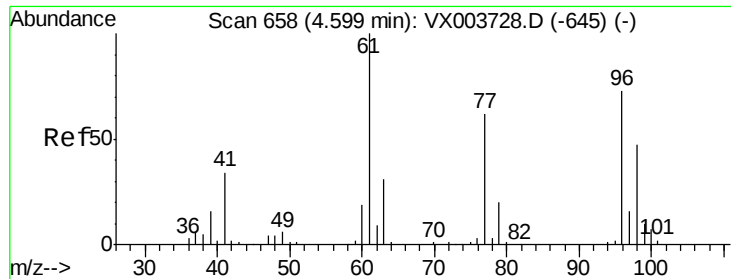
97 24.0 12.2 36.6



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: 10.06 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

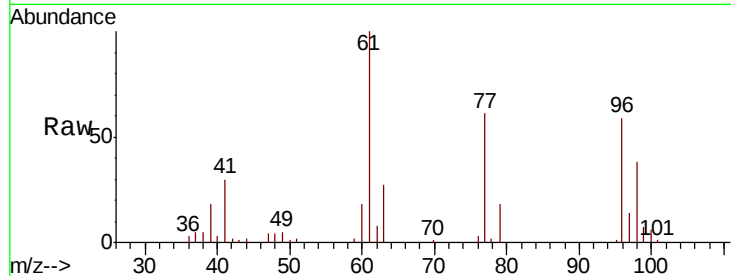
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.1	0.0	285.6
98	65.1	0.0	131.0

Manual Integrations
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MMDadoda
8/1/2018 10:39:59 AM

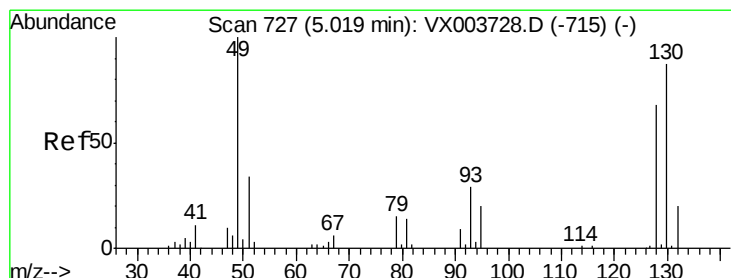
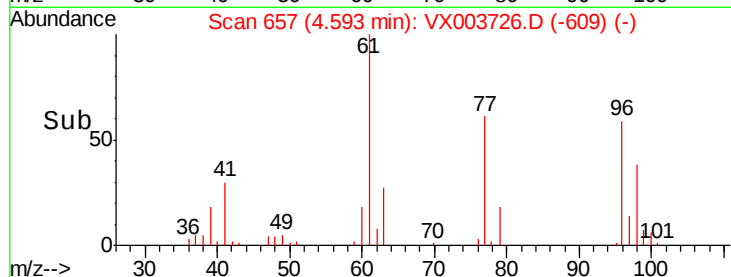
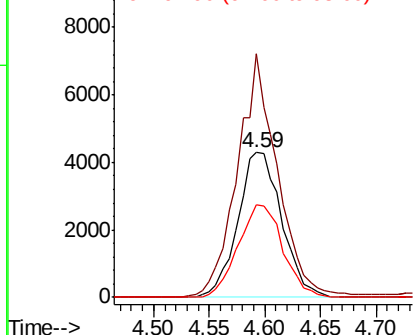


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 10.43 ug/l

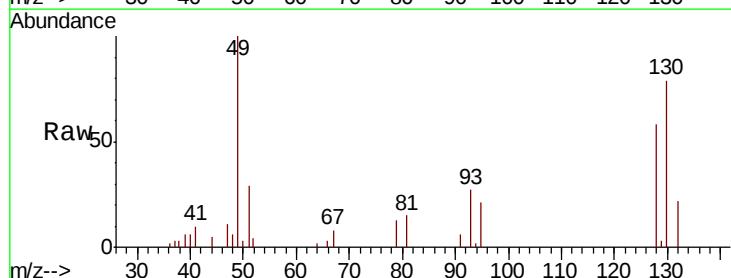
RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	81.2	68.9	103.3

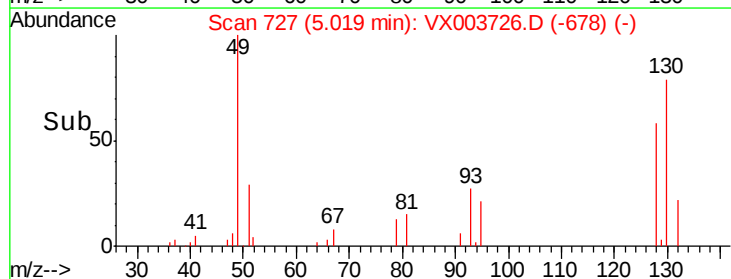
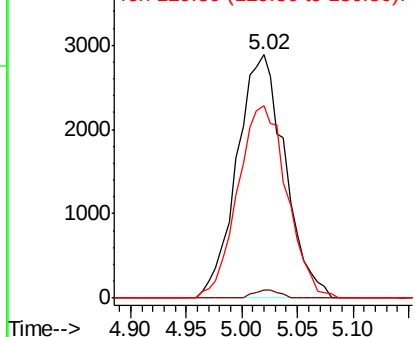


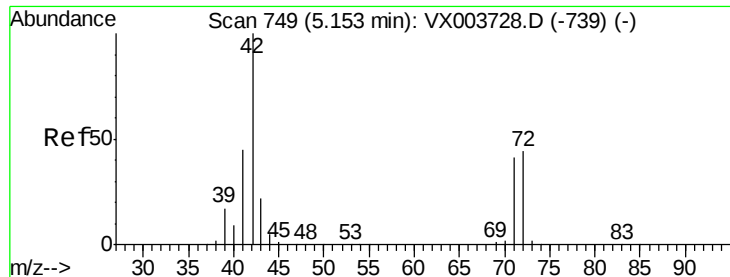
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





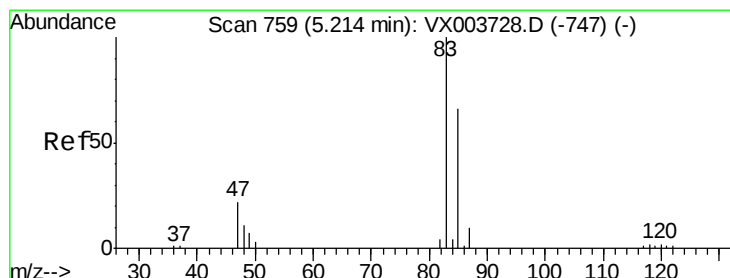
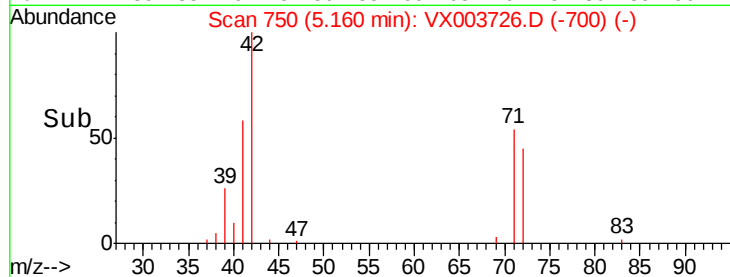
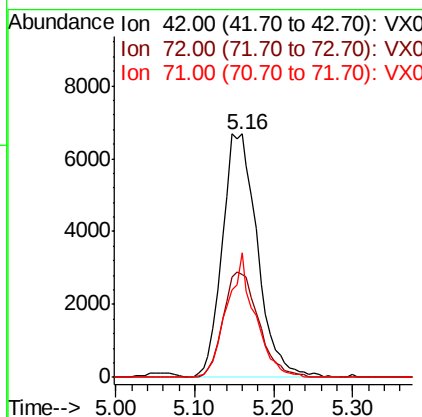
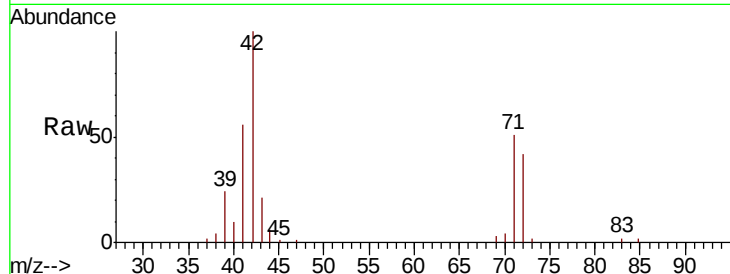
#29
Tetrahydrofuran
Concen: 52.22 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion:	42	Resp:	20721
Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.6	53.4
71	41.2	33.4	50.0

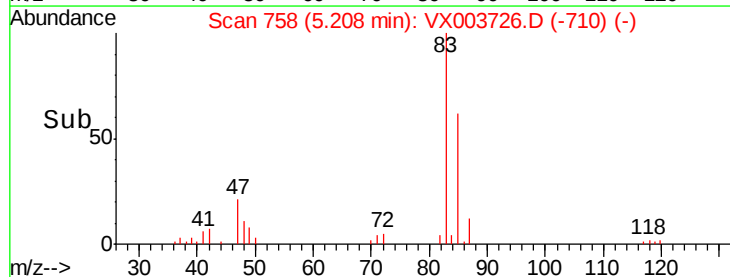
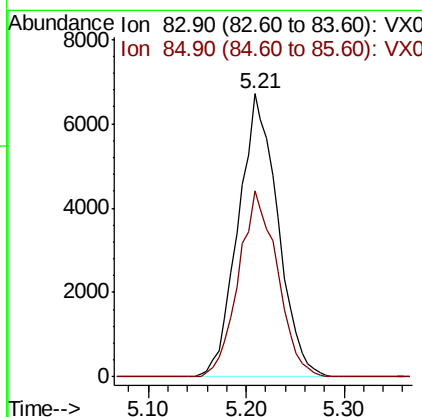
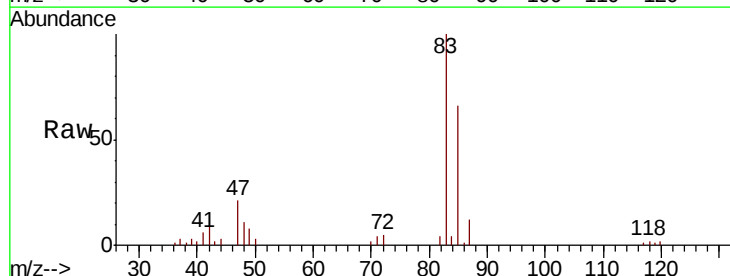
Manual Integrations
APPROVED

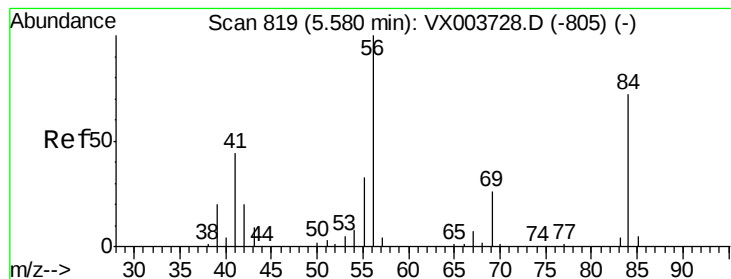
MMDadoda
8/1/2018 10:39:59 AM



#30
Chloroform
Concen: 10.36 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion:	83	Resp:	18825
Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.8	79.2





#31

Cyclohexane

Concen: 10.05 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

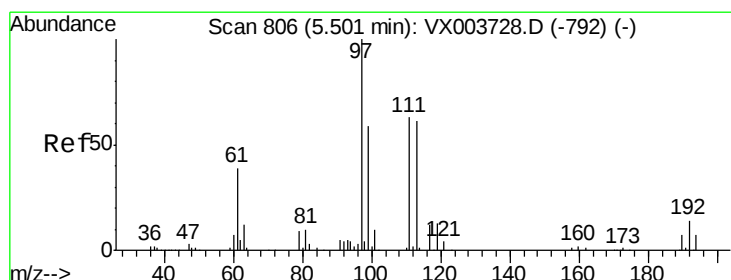
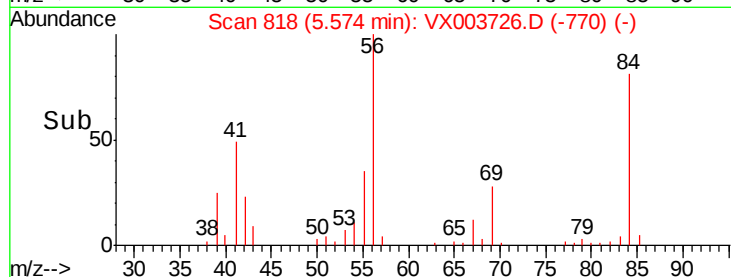
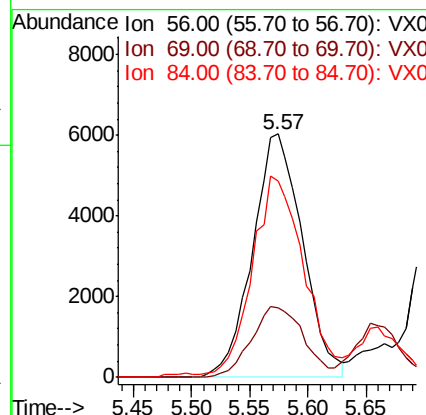
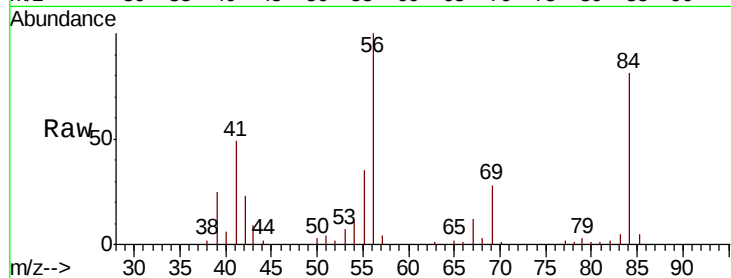
ClientSampled :

VSTDIC010

Tot Ion:	56	Resp:	17901
Ion Ratio	Lower	Upper	
56	100		
69	28.3	20.6	30.8
84	79.7	57.9	86.9

Manual Integrations
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8/1/2018 10:39:59 AM



#32

1,1,1-Trichloroethane

Concen: 10.02 ug/l

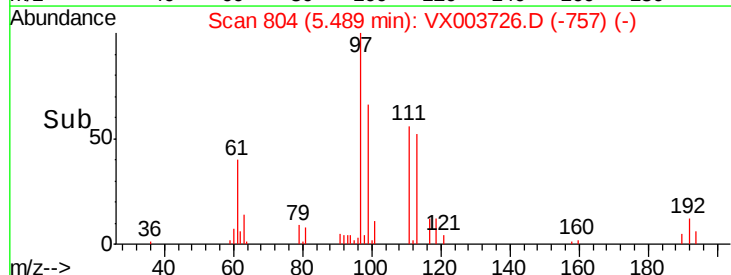
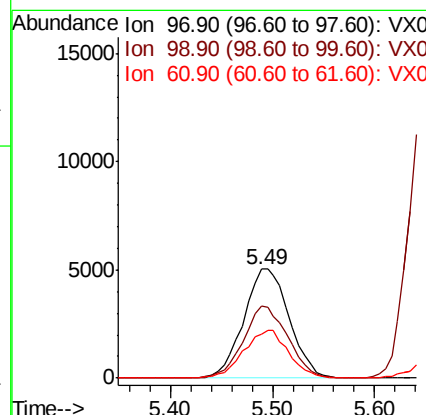
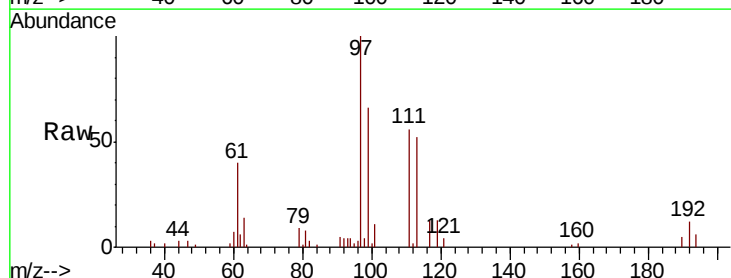
RT: 5.49 min Scan# 804

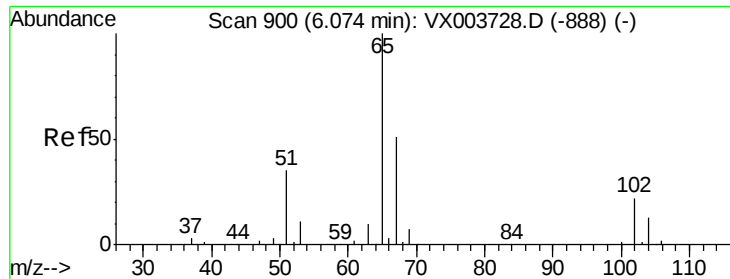
Delta R.T. -0.01 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Tgt Ion:	97	Resp:	15655
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.4	77.2
61	42.9	33.4	50.2





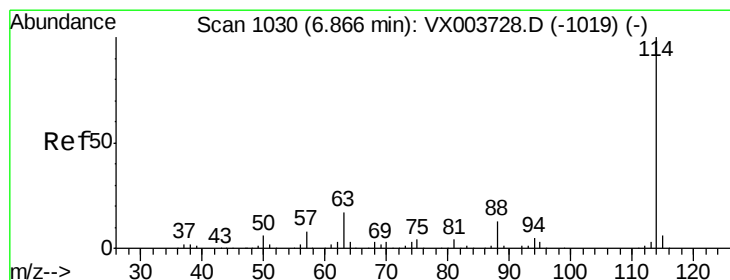
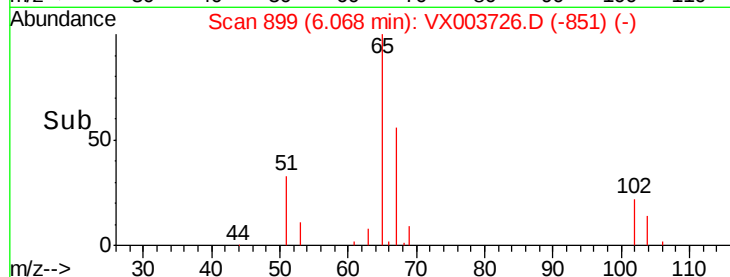
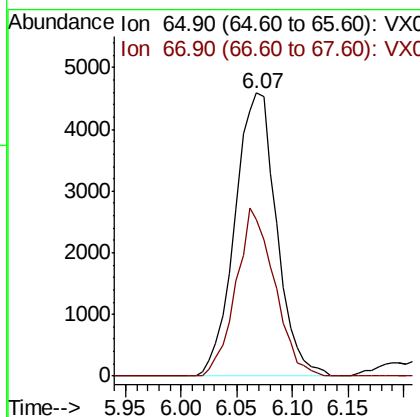
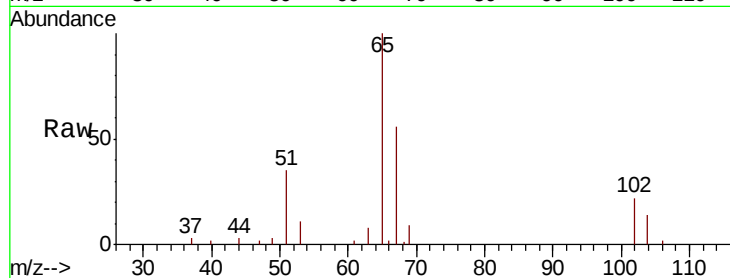
#33
 1,2-Dichloroethane-d4
 Concen: 10.69 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	107.0

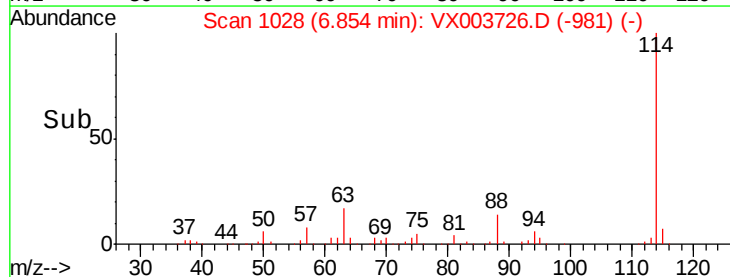
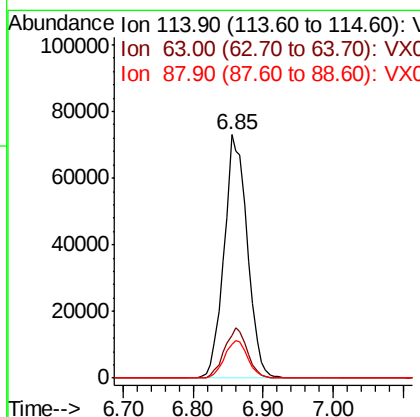
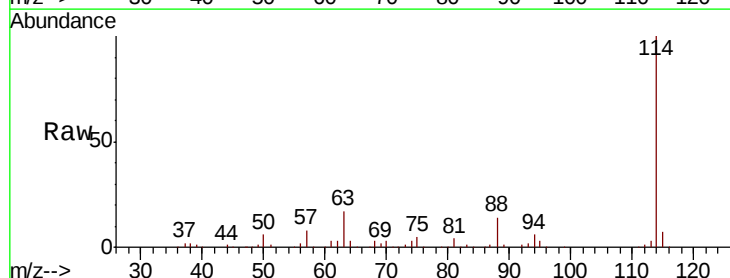
Manual Integrations
 APPROVED

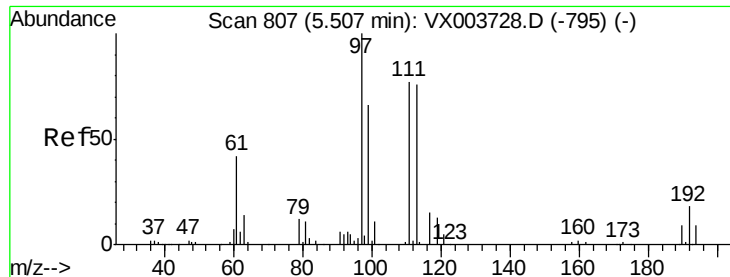
MMDadoda
 8/1/2018 10:39:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	34.0
88	13.6	0.0	26.4





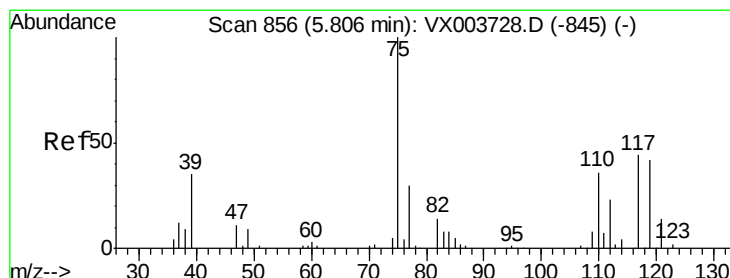
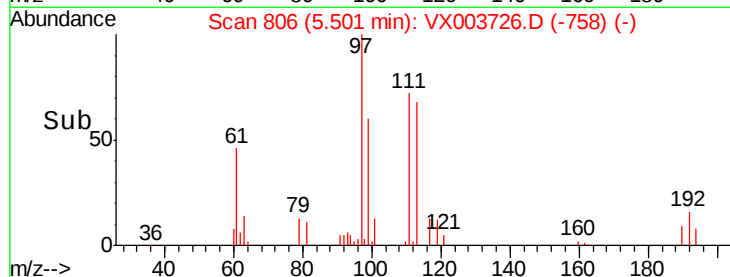
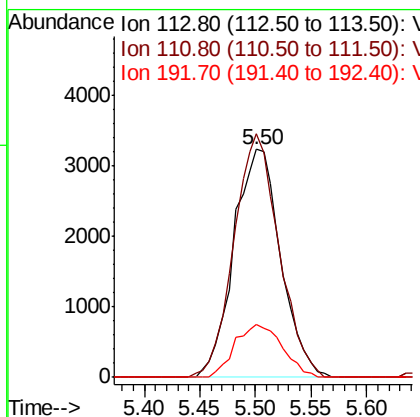
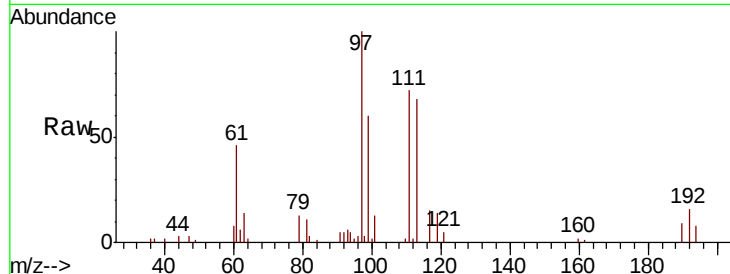
#35
 Dibromofluoromethane
 Concen: 9.54 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	23.5	18.8	28.2

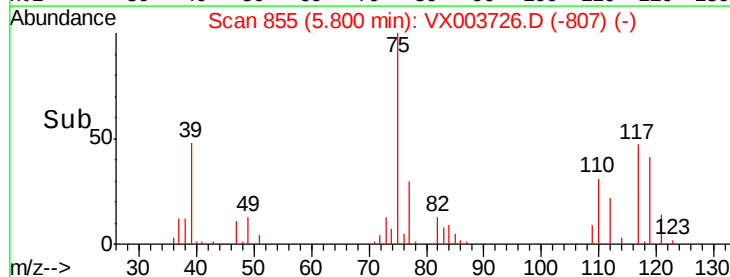
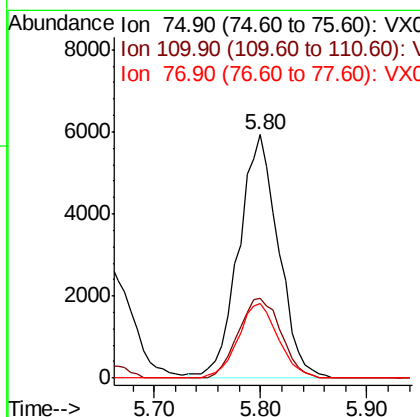
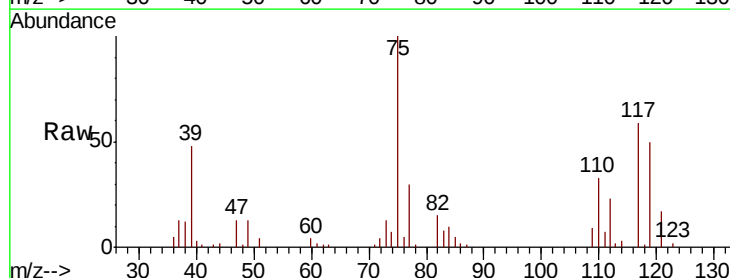
Manual Integrations
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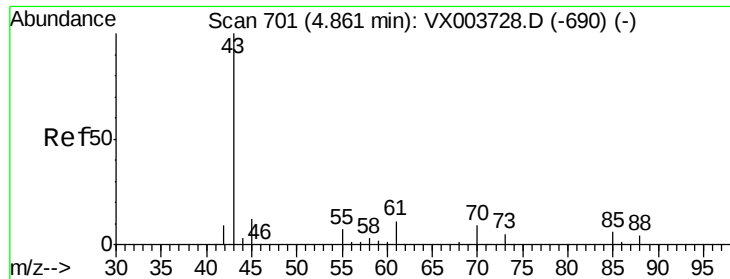
MMDadoda
 8/1/2018 10:39:59 AM



#36
 1,1-Dichloropropene
 Concen: 9.86 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.3	54.8
77	30.8	25.1	37.7





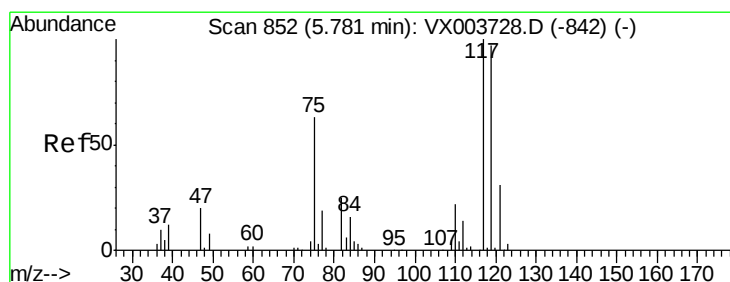
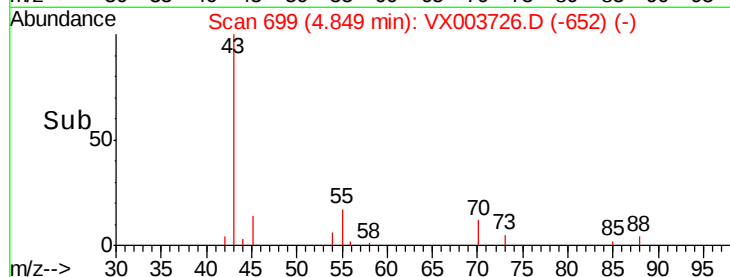
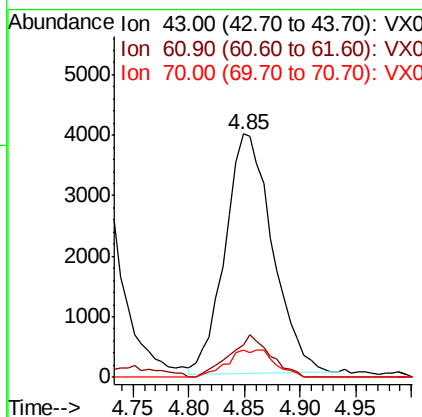
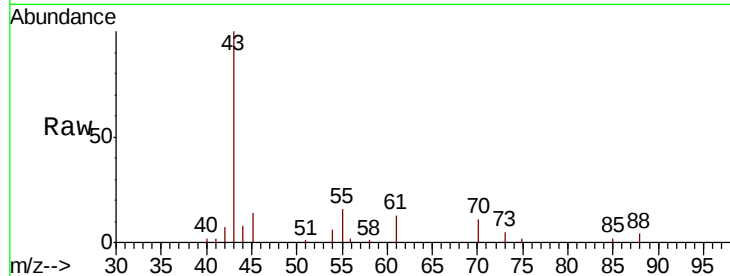
#37
Ethyl Acetate
Concen: 9.66 ug/l
RT: 4.85 min Scan# 699
Delta R.T. -0.01 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.4	17.0
70	11.5	8.2	12.2

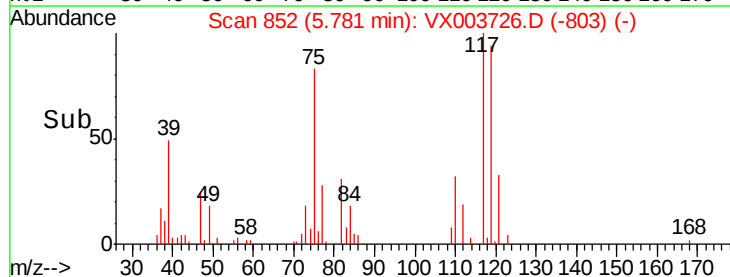
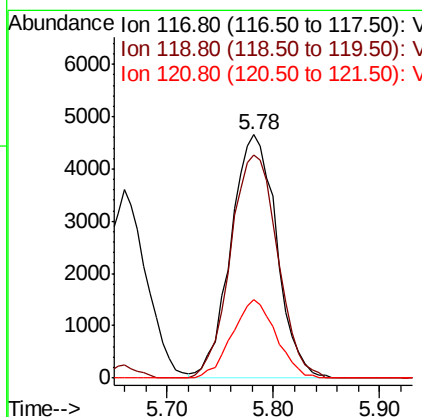
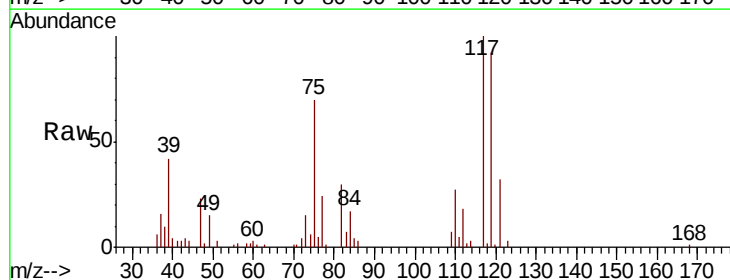
Manual Integrations
APPROVED

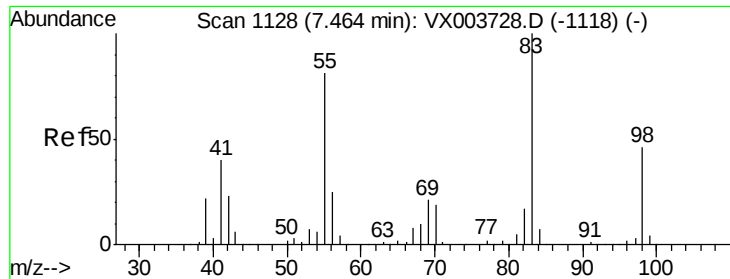
MMDadoda
8/1/2018 10:39:59 AM



#38
Carbon Tetrachloride
Concen: 9.62 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	77.2	115.8
121	32.3	25.0	37.4





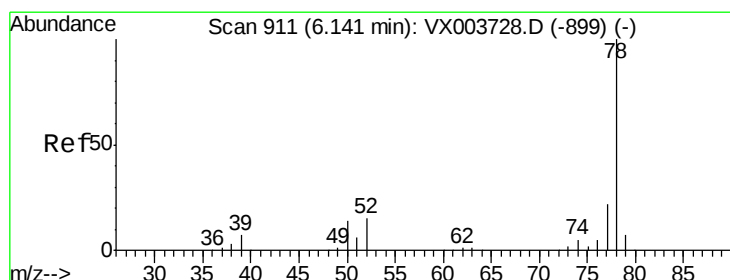
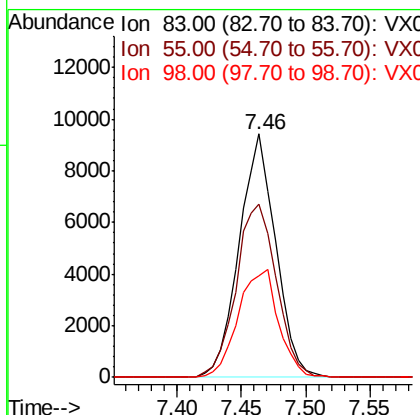
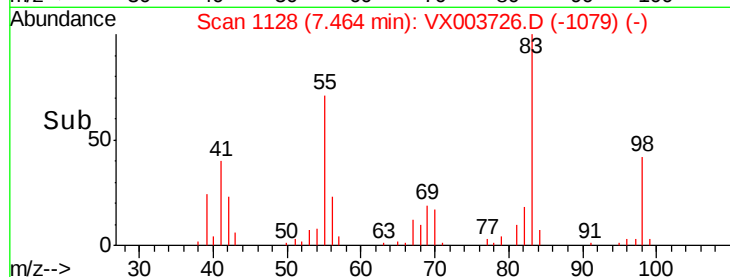
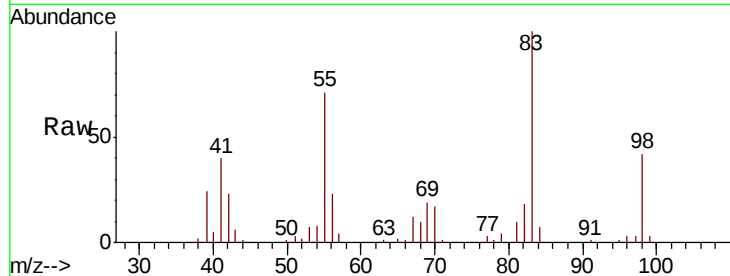
#39
Methvlcvclohexane
Concen: 9.54 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	65.0	97.6
98	41.6	37.1	55.7

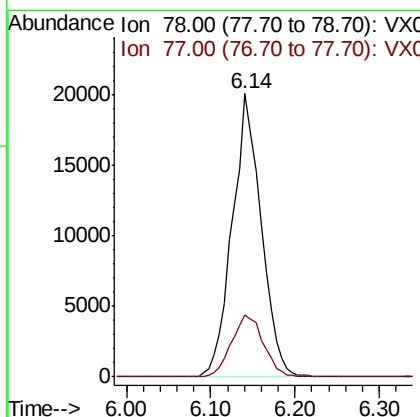
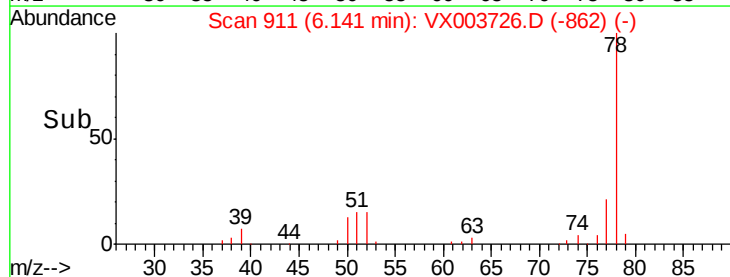
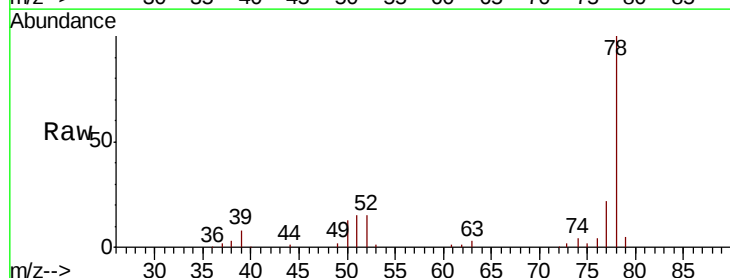
Manual Integrations
APPROVED

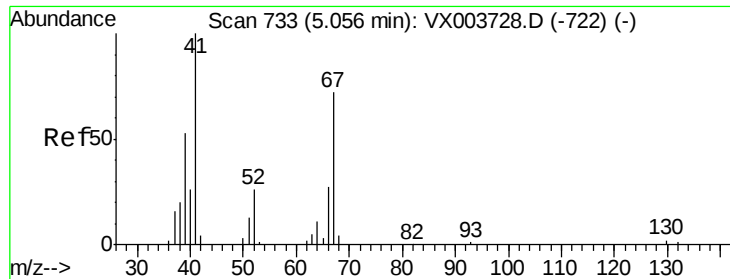
MMDadoda
8/1/2018 10:39:59 AM



#40
Benzene
Concen: 10.36 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.9	17.9	26.9





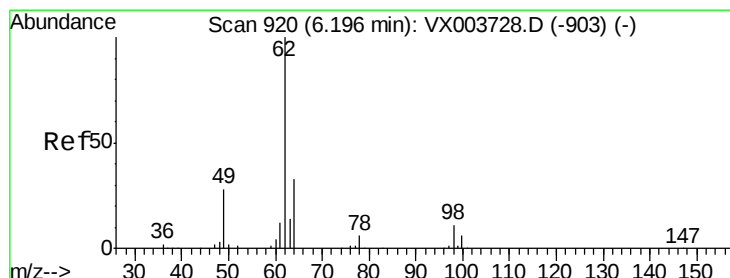
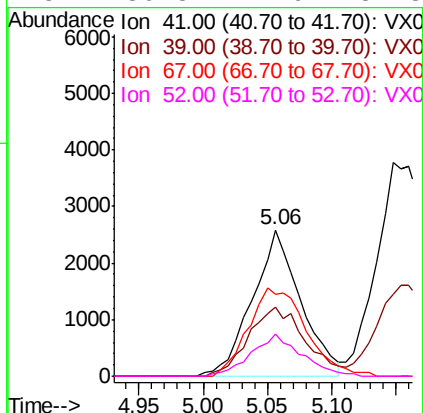
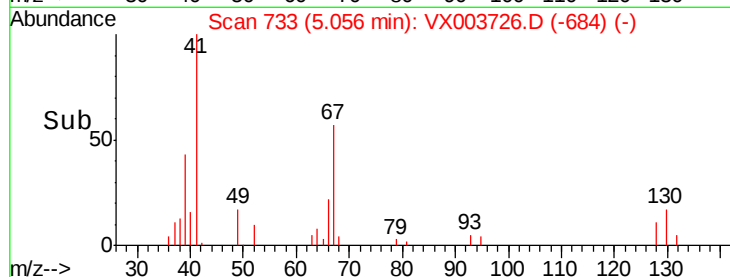
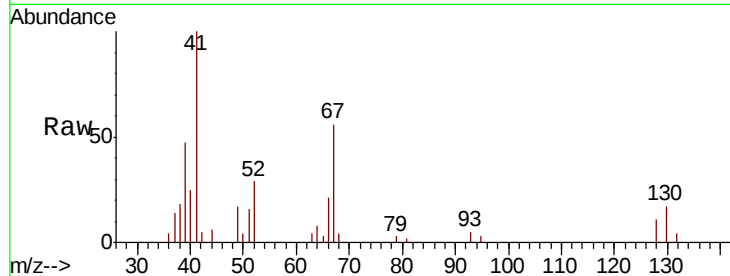
#41
Methacrylonitrile
Concen: 9.89 ug/l
RT: 5.06 min Scan# 733
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion:	41	Resp:	6737
Ion	Ratio	Lower	Upper
41	100		
39	55.9	42.6	64.0
67	72.1	58.9	88.3
52	30.3	22.9	34.3

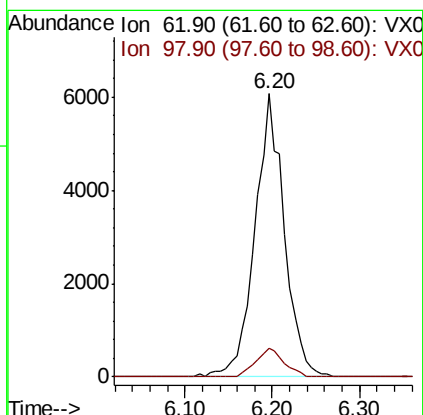
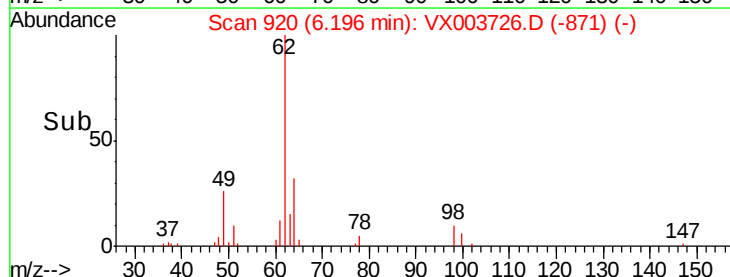
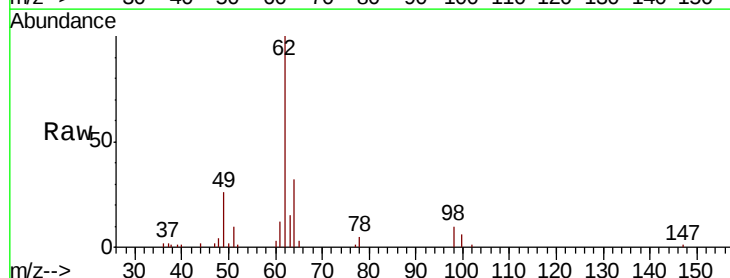
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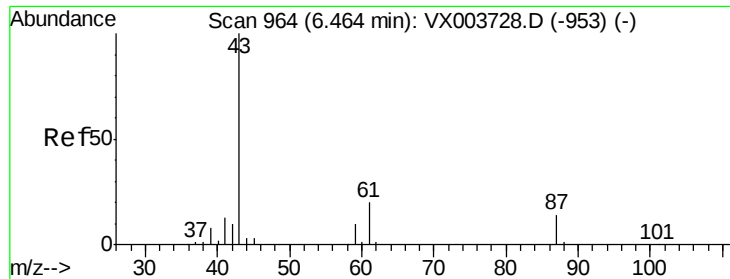
MMDadoda
8/1/2018 10:39:59 AM



#42
1,2-Dichloroethane
Concen: 10.36 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion:	62	Resp:	14105
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.4





#43

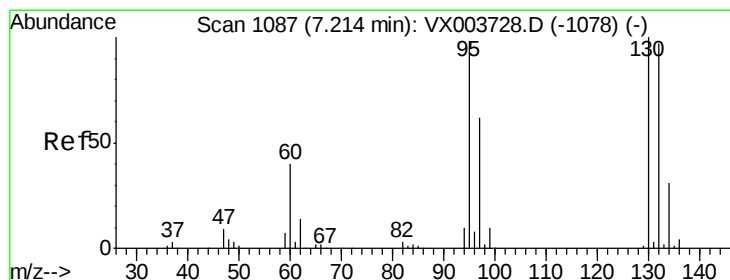
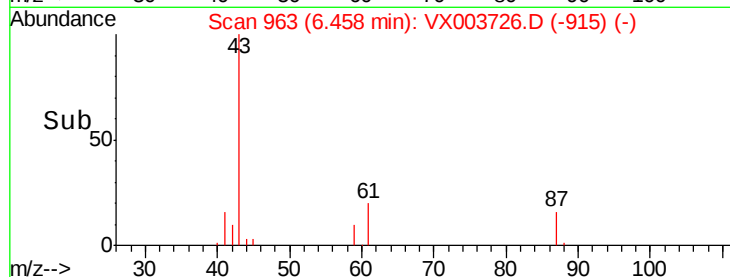
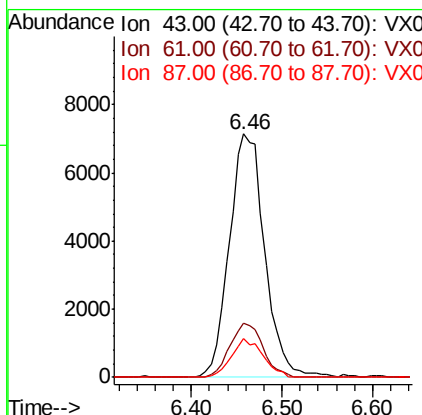
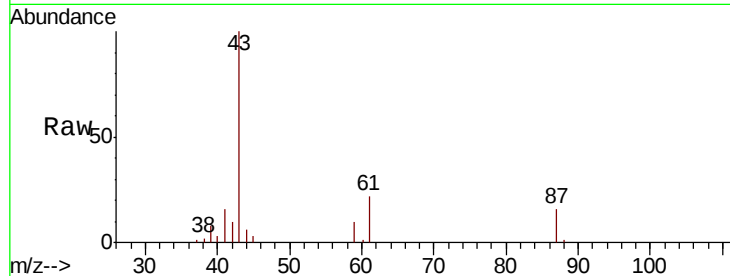
Isopropyl Acetate
 Concen: 10.05 ug/l
 RT: 6.46 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.5	24.7
87	14.2	10.7	16.1

Manual Integrations
 APPROVED

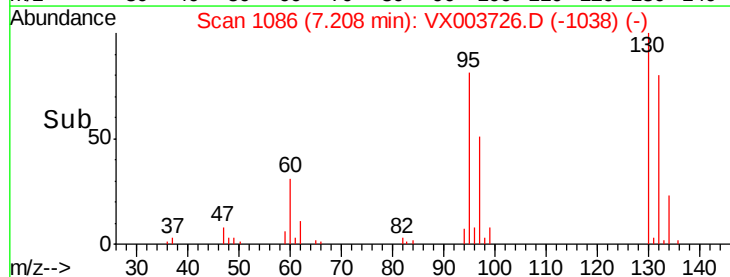
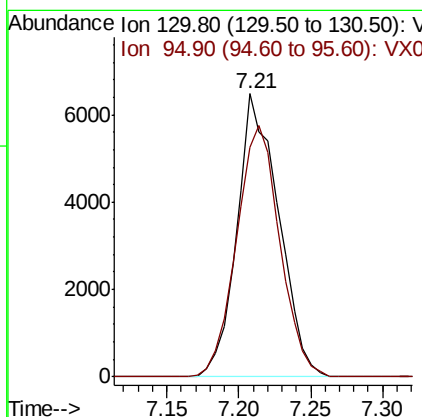
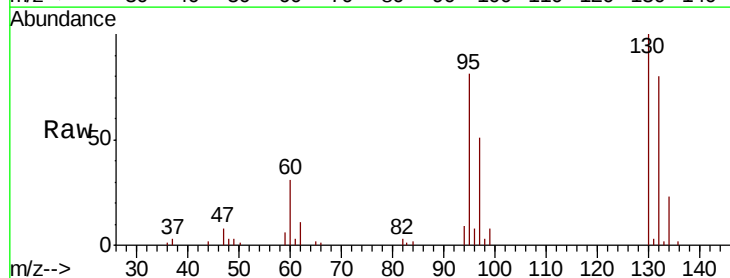
MMDadoda
 8/1/2018 10:39:59 AM

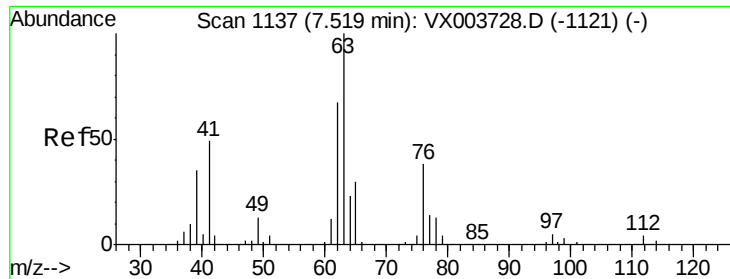


#44

Trichloroethene
 Concen: 10.11 ug/l
 RT: 7.21 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.1	0.0	196.2





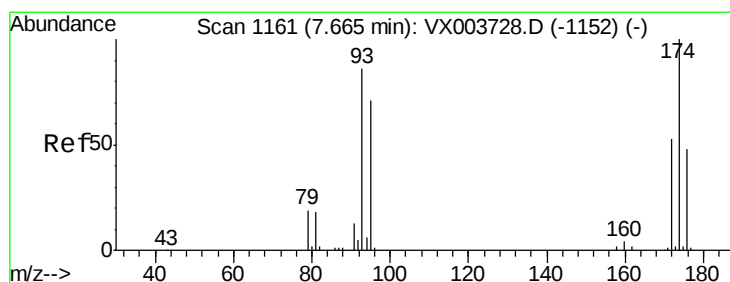
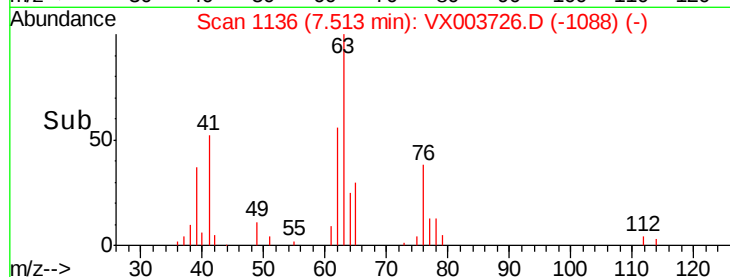
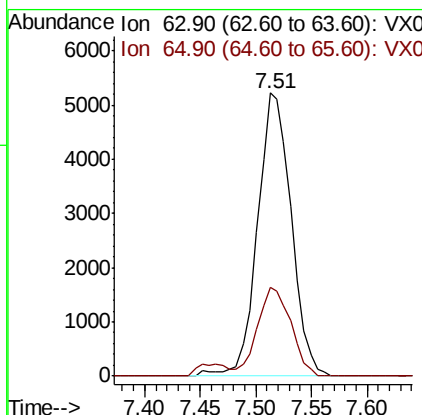
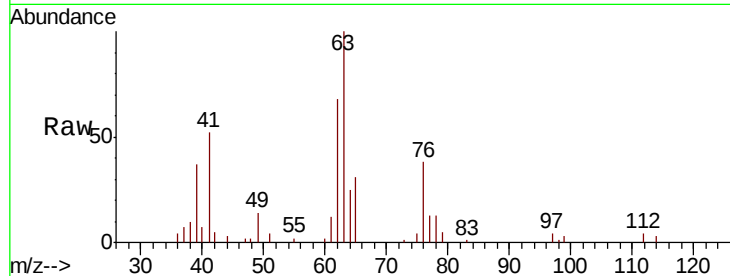
#45
 1,2-Dichloropropane
 Concen: 9.92 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 10997
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.7 35.5

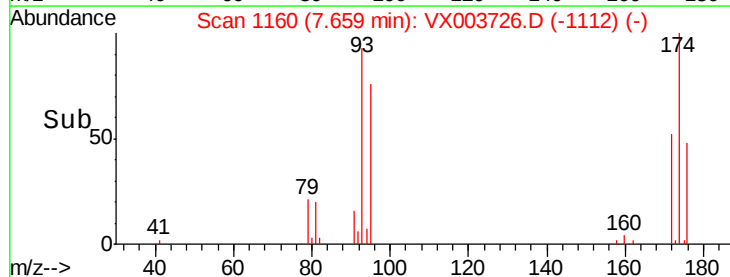
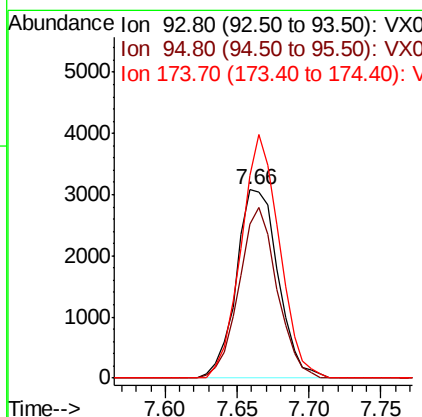
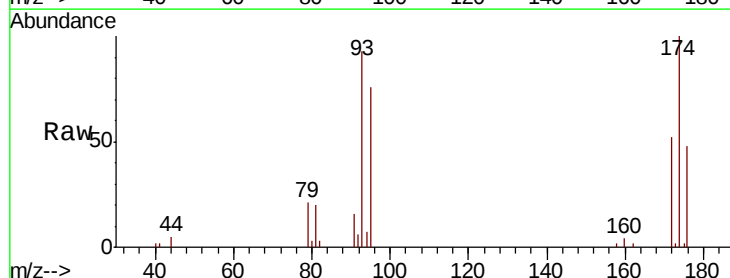
Manual Integrations
 APPROVED

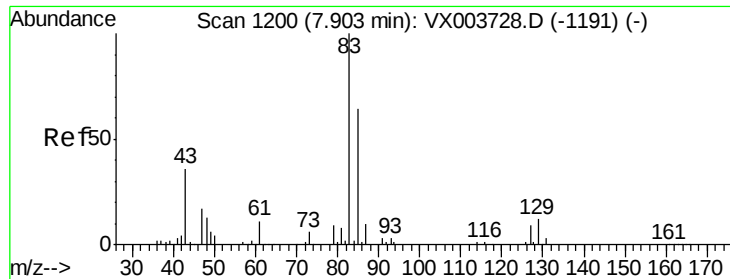
MMDadoda
 8/1/2018 10:39:59 AM



#46
 Dibromomethane
 Concen: 9.72 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Tgt Ion: 93 Resp: 6208
 Ion Ratio Lower Upper
 93 100
 95 82.2 68.1 102.1
 174 118.0 96.2 144.4





#47

Bromodichloromethane

Concen: 9.47 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

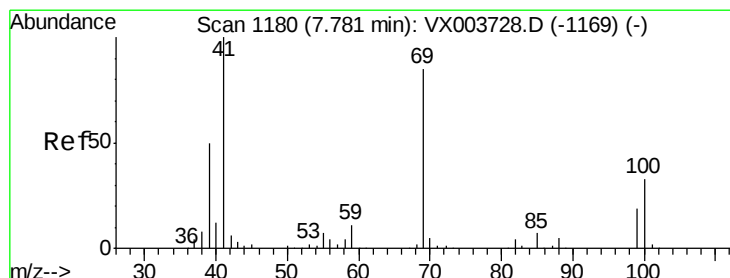
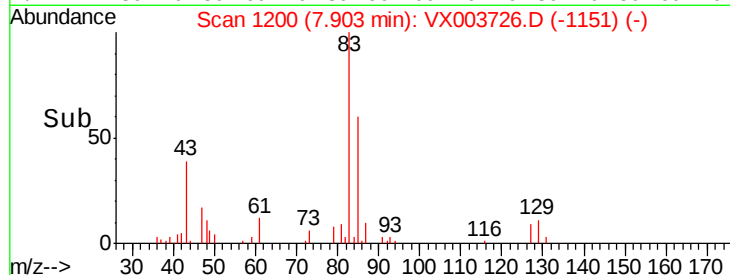
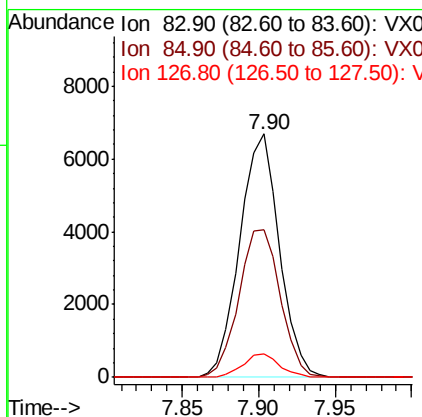
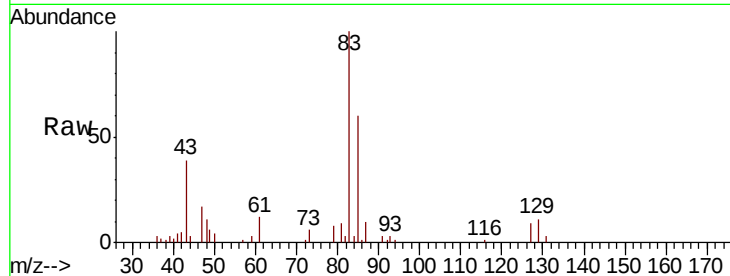
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	12063
Ion	Ratio	Lower	Upper
83	100		
85	60.5	51.1	76.7
127	9.5	7.1	10.7

Manual Integrations
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MMDadoda
8/1/2018 10:39:59 AM



#48

Methyl methacrylate

Concen: 9.63 ug/l

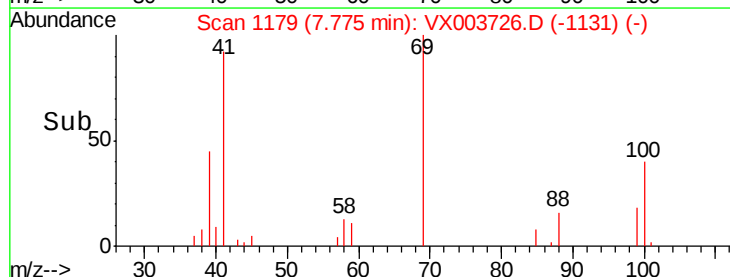
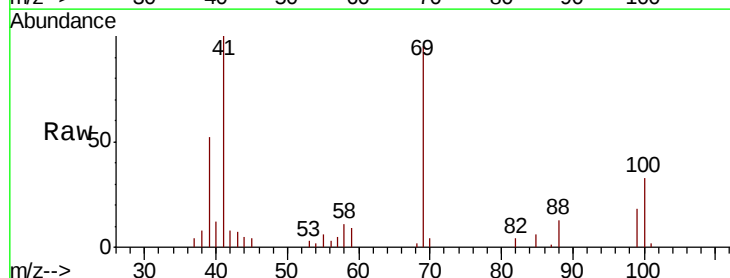
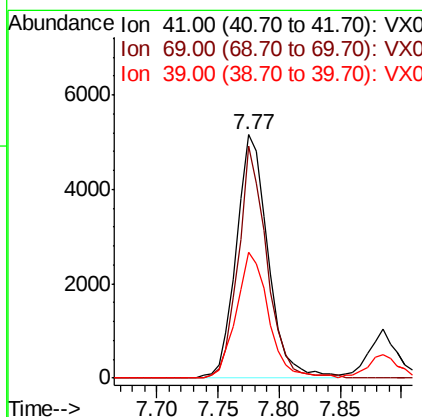
RT: 7.77 min Scan# 1179

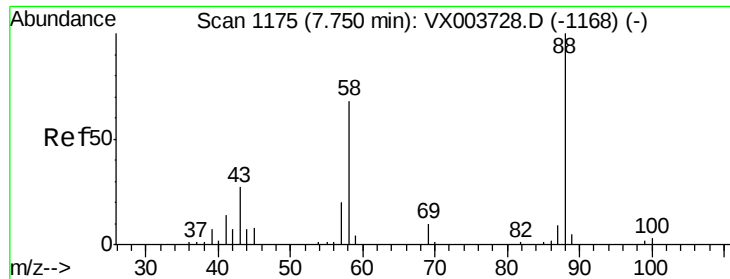
Delta R.T. -0.01 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Tgt Ion:	41	Resp:	9298
Ion	Ratio	Lower	Upper
41	100		
69	85.6	68.7	103.1
39	52.3	40.8	61.2





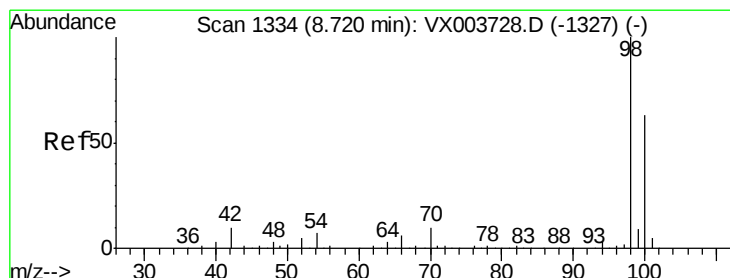
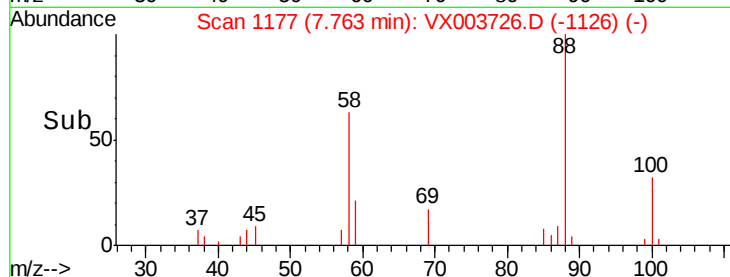
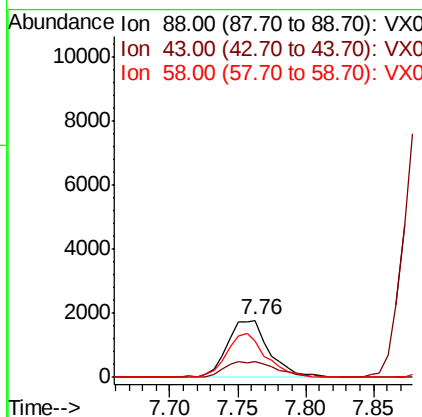
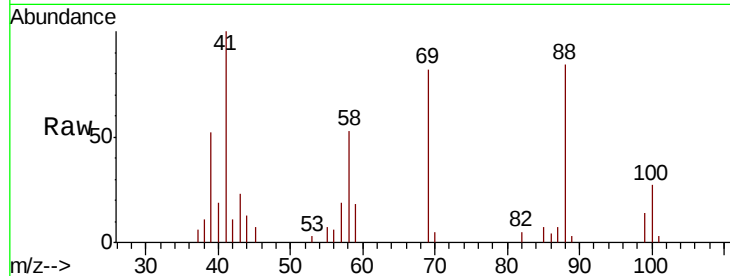
#49
1,4-Dioxane
Concen: 195.28 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.0	39.0
58	72.3	57.1	85.7

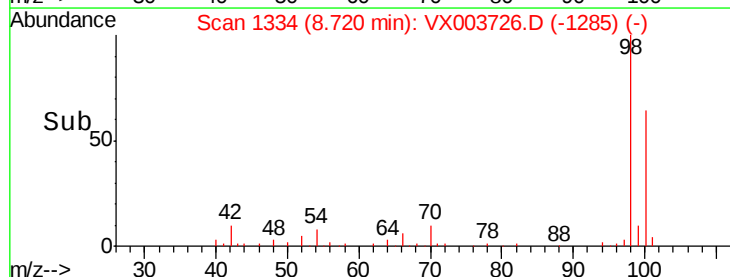
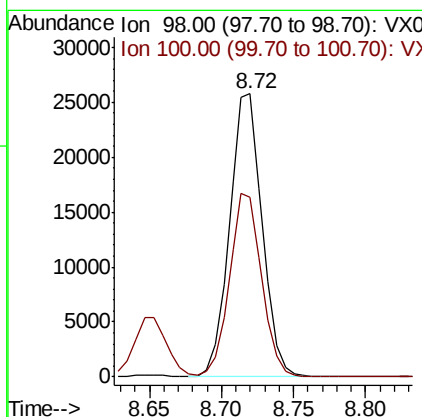
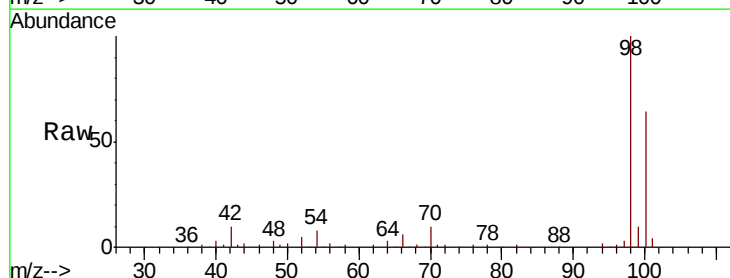
Manual Integrations
APPROVED

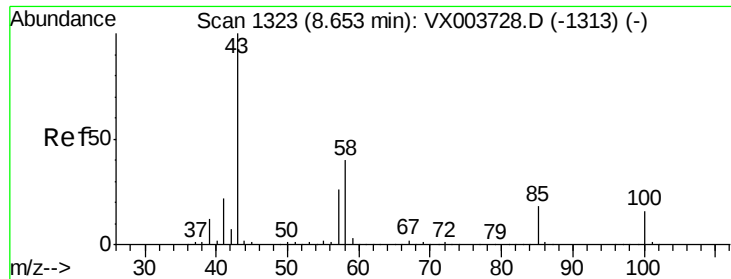
MMDadoda
8/1/2018 10:39:59 AM



#50
Toluene-d8
Concen: 9.87 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0





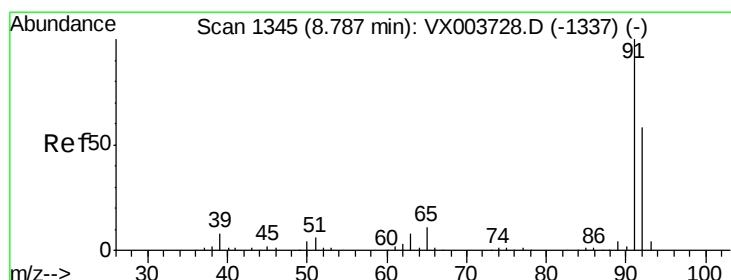
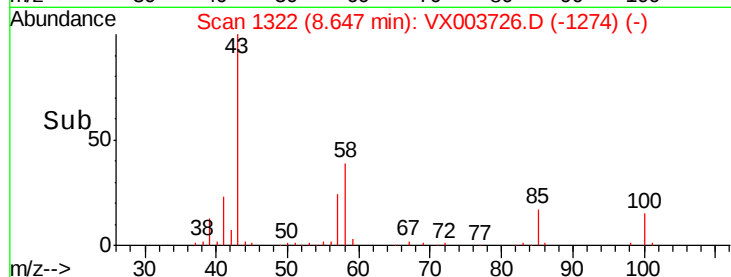
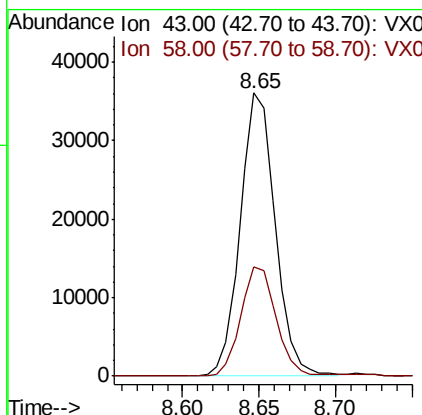
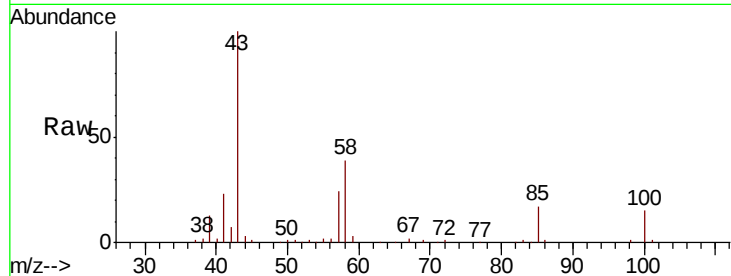
#51
4-Methyl-2-Pentanone
Concen: 48.43 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	32.1	48.1

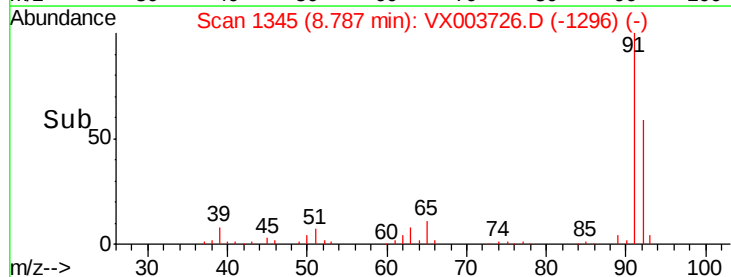
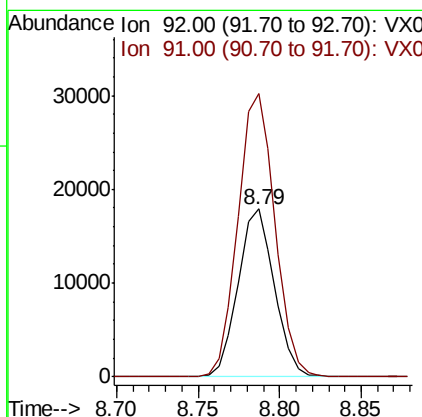
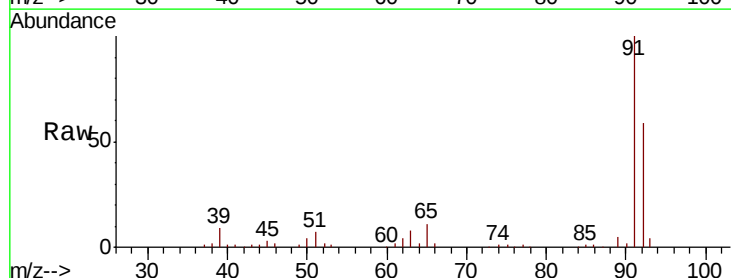
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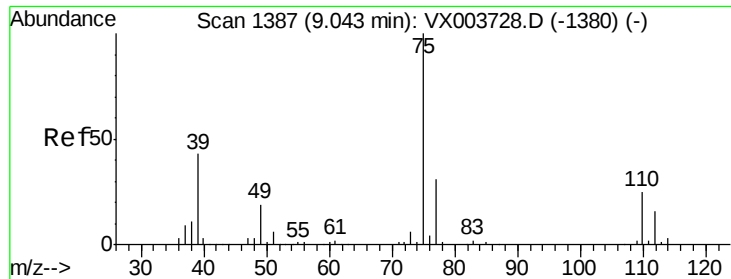
MMDadoda
8/1/2018 10:39:59 AM



#52
Toluene
Concen: 9.85 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.2	139.4	209.2





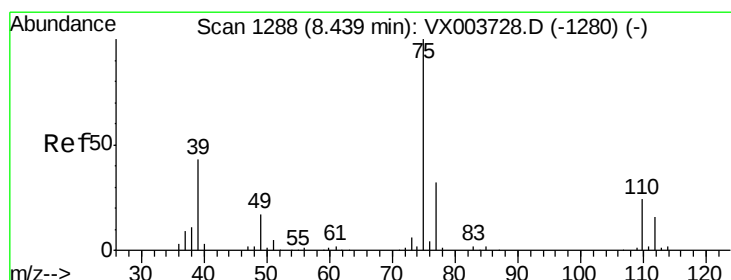
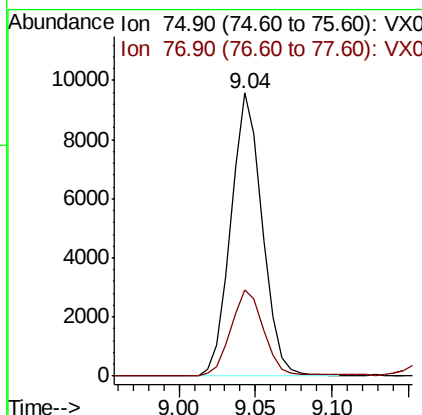
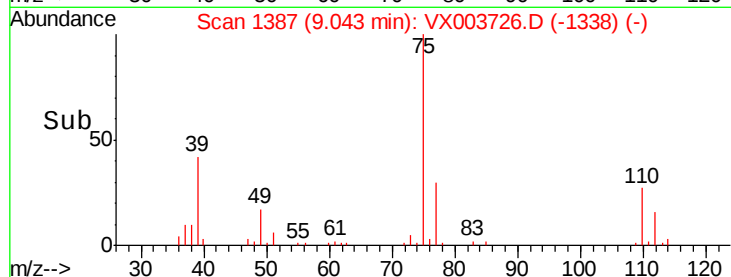
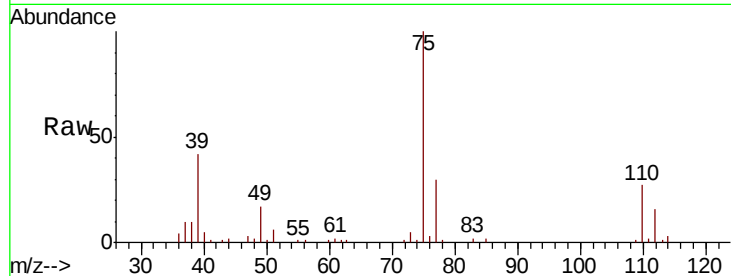
#53
t-1,3-Dichloropropene
Concen: 9.36 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 13607
Ion Ratio Lower Upper
75 100
77 30.4 24.9 37.3

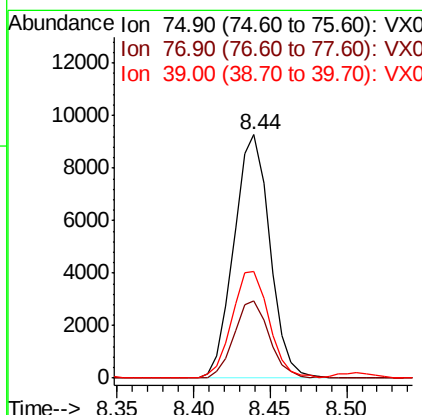
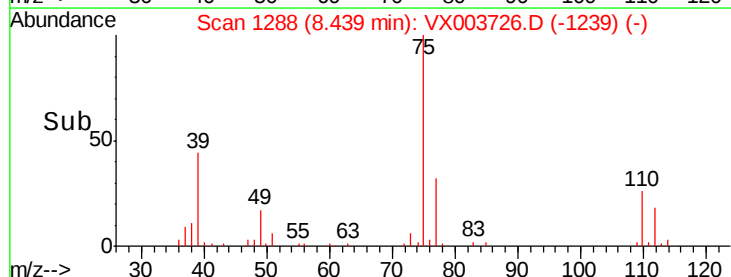
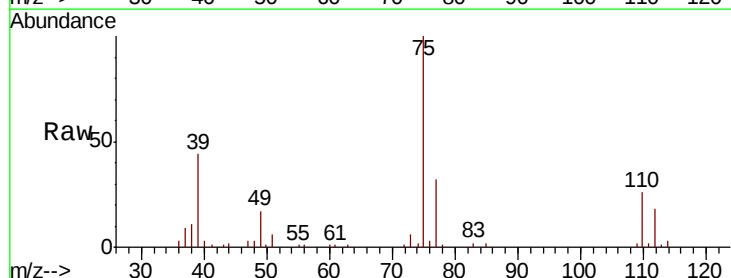
Manual Integrations
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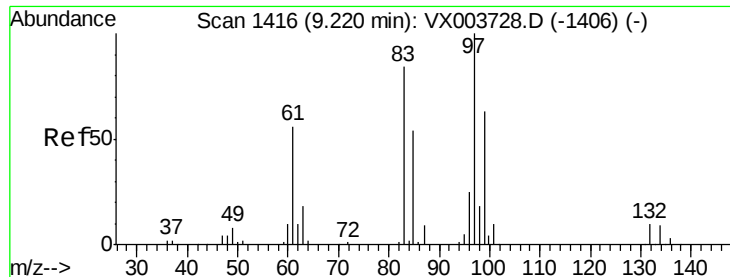
MMDadoda
8/1/2018 10:39:59 AM



#54
cis-1,3-Dichloropropene
Concen: 9.31 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion: 75 Resp: 15091
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9
39 43.8 34.1 51.1





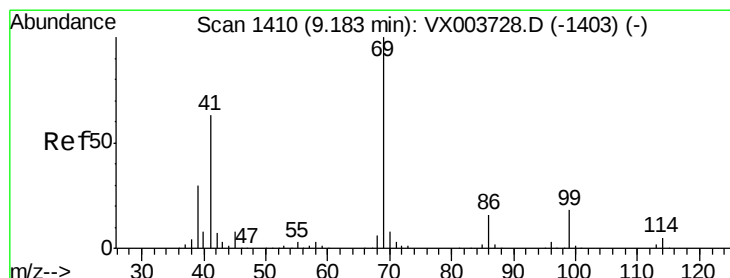
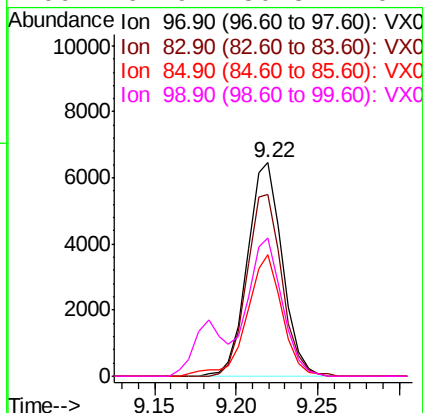
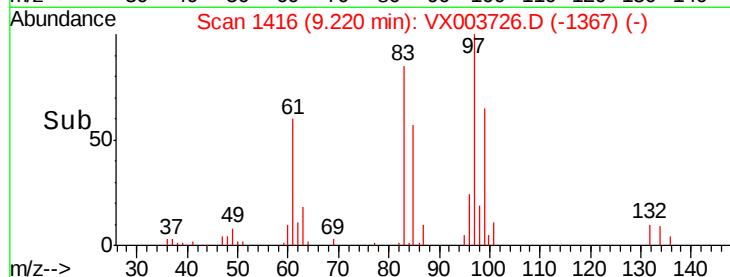
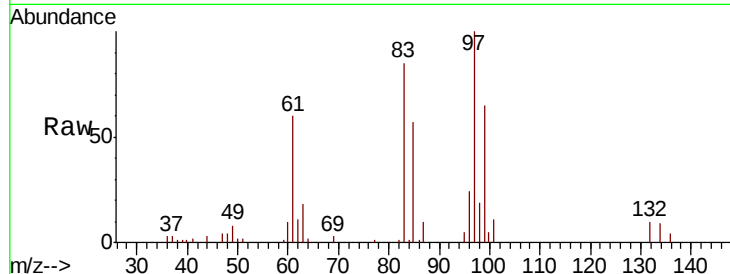
#55
 1,1,2-Trichloroethane
 Concen: 9.96 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC010

Tot Ion:	97	Resp:	9642
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.4	101.0
85	56.7	43.3	64.9
99	64.9	50.8	76.2

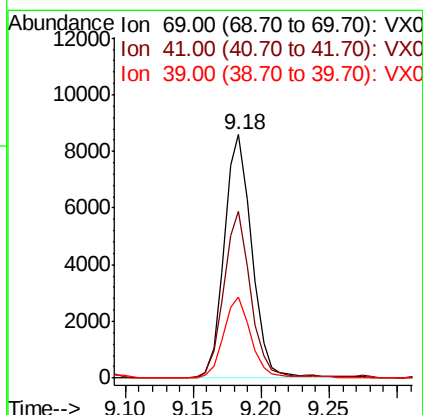
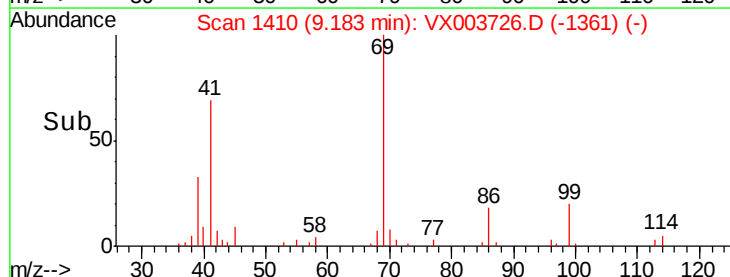
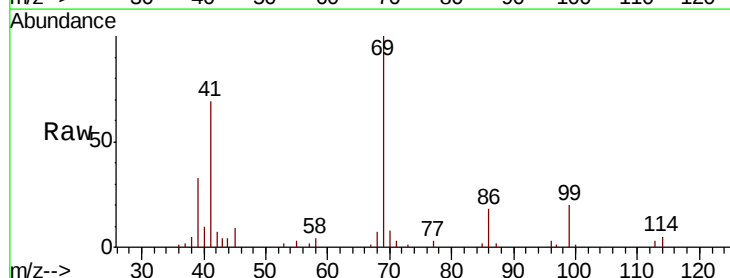
Manual Integrations
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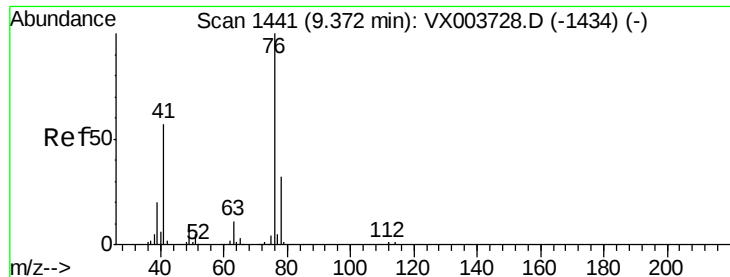
MMDadoda
 8/1/2018 10:39:59 AM



#56
 Ethyl methacrylate
 Concen: 9.14 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Tgt Ion:	69	Resp:	12153
Ion	Ratio	Lower	Upper
69	100		
41	66.7	51.6	77.4
39	33.5	25.1	37.7





#57

1,3-Dichloropropane

Concen: 9.95 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

VSTDIC010

Tot Ion: 76 Resp: 16163

Ion Ratio Lower Upper

76 100

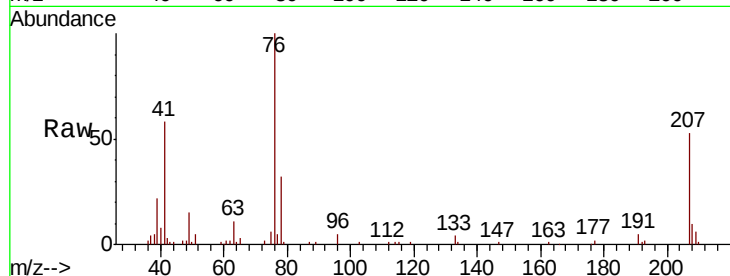
78 32.2 25.7 38.5

Manual Integrations

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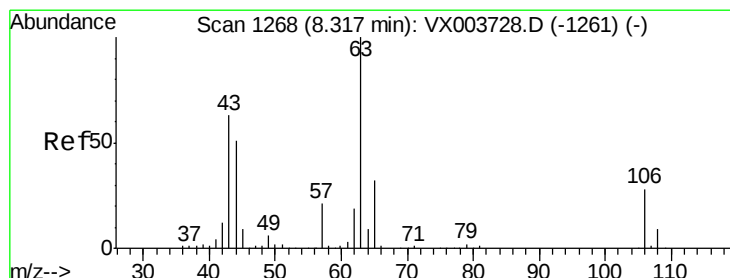
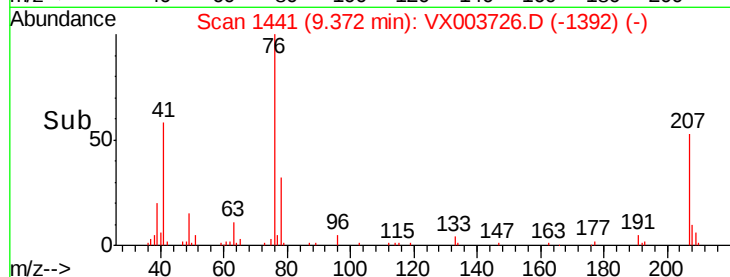
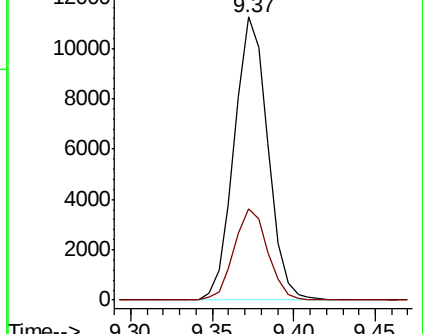
MMDadoda

8/1/2018 10:39:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 42.50 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003726.D

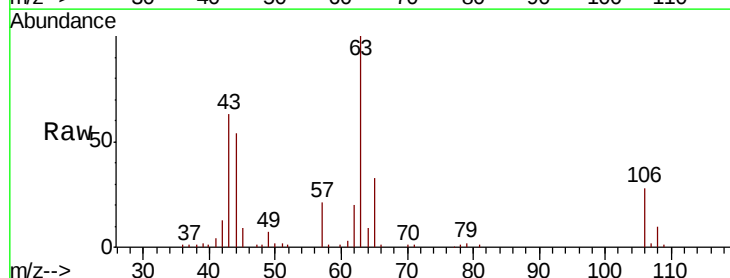
Acq: 30 Jul 2018 16:24

Tgt Ion: 63 Resp: 27034

Ion Ratio Lower Upper

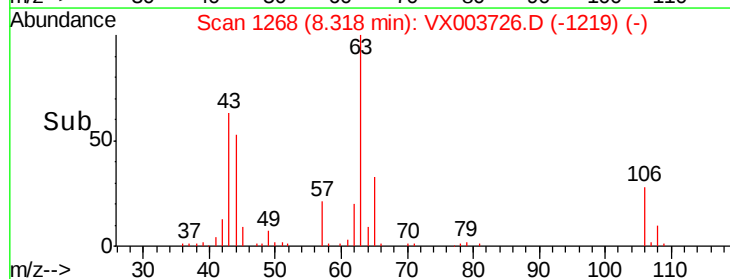
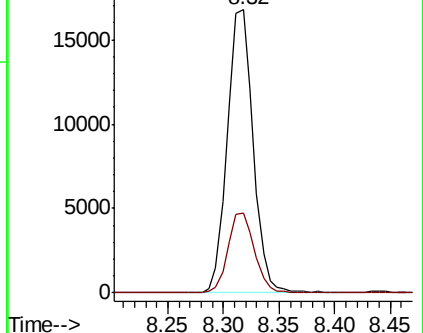
63 100

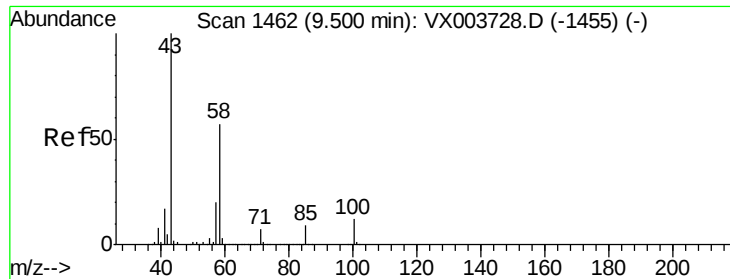
106 28.7 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





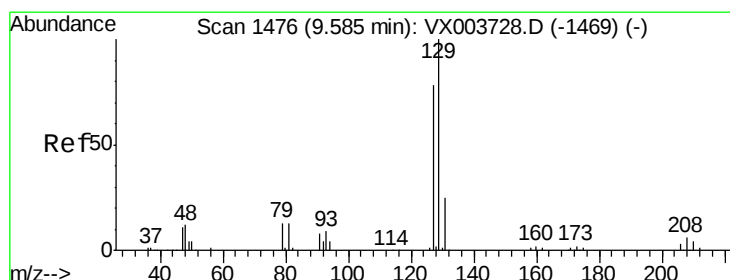
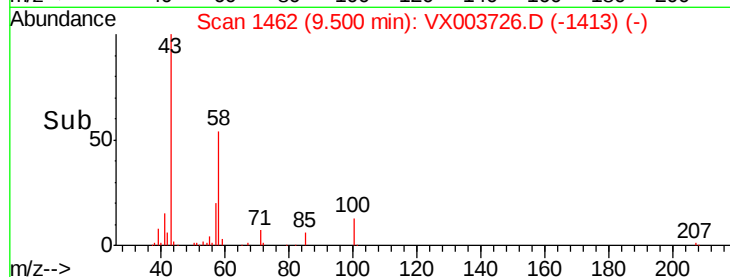
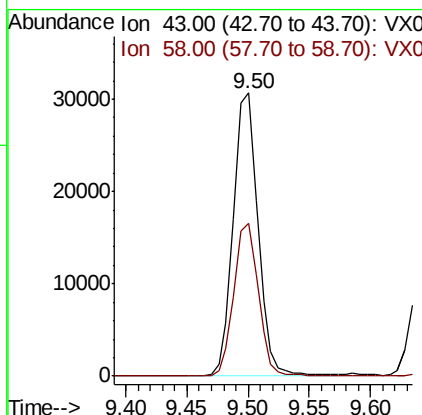
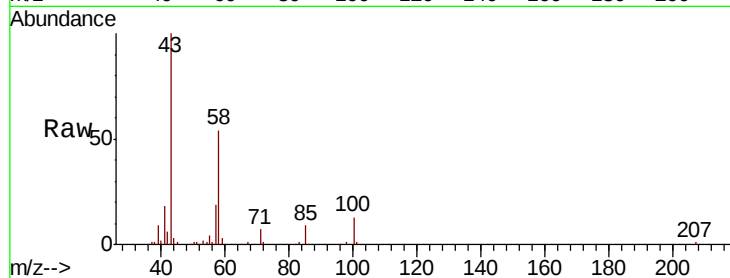
#59
2-Hexanone
Concen: 47.30 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 42644
Ion Ratio Lower Upper
43 100
58 53.9 28.0 83.9

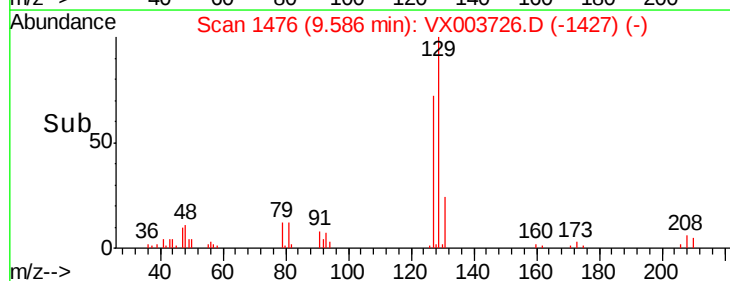
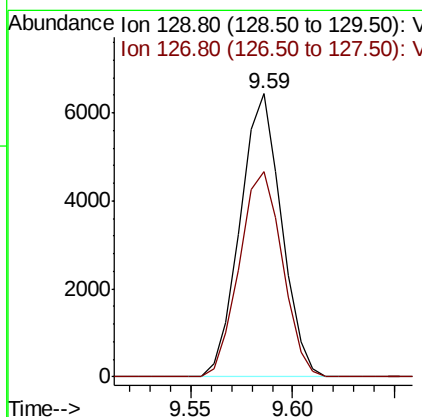
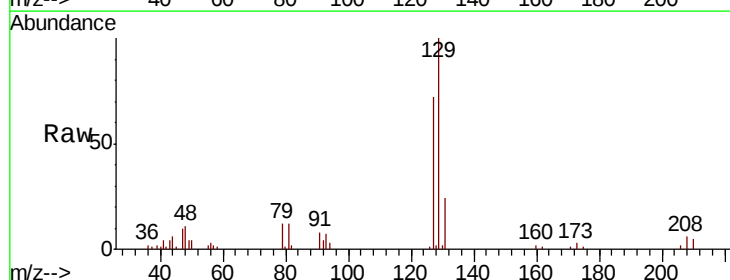
Manual Integrations
APPROVED

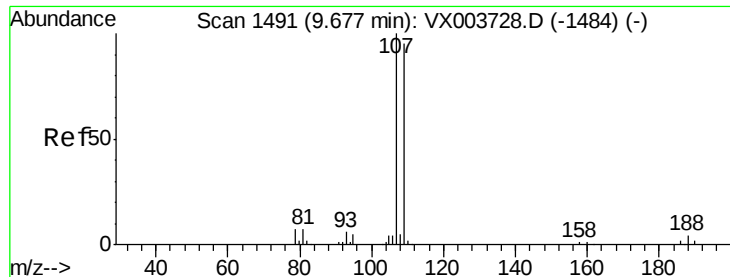
MMDadoda
8/1/2018 10:39:59 AM



#60
Dibromochloromethane
Concen: 9.30 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion: 129 Resp: 9065
Ion Ratio Lower Upper
129 100
127 75.3 38.8 116.4





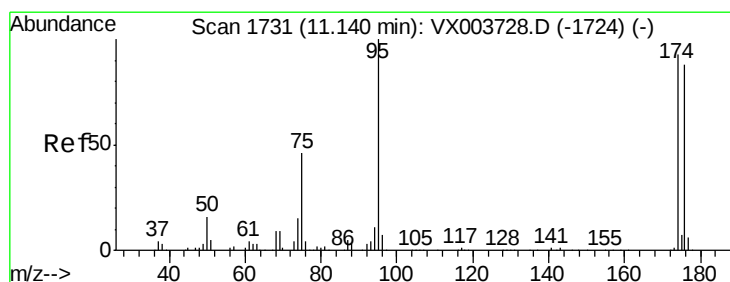
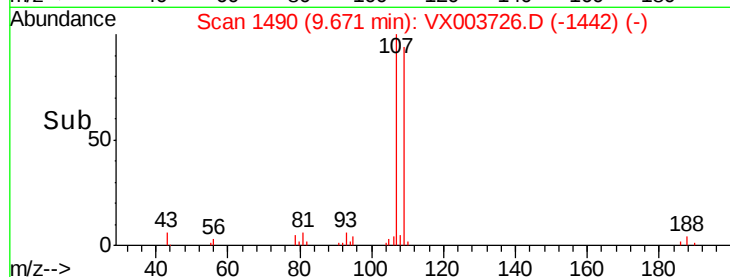
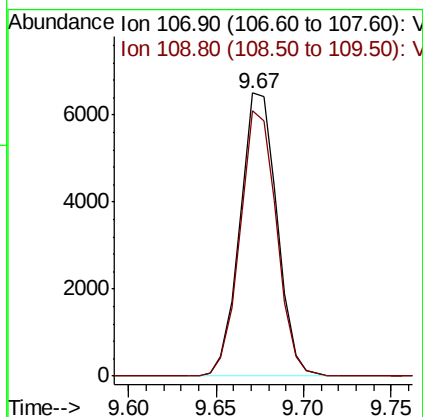
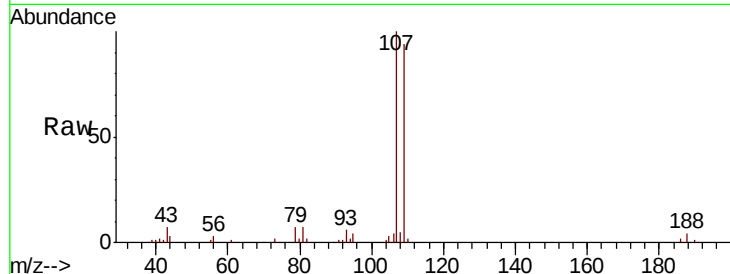
#61
 1,2-Dibromoethane
 Concen: 9.71 ug/l
 RT: 9.67 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion:107 Resp: 9599
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.0 112.6

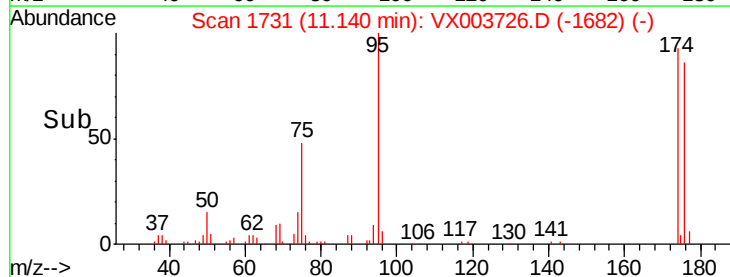
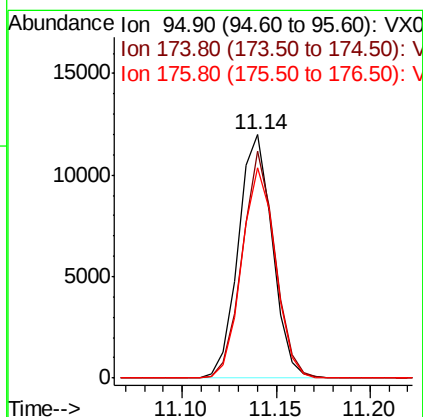
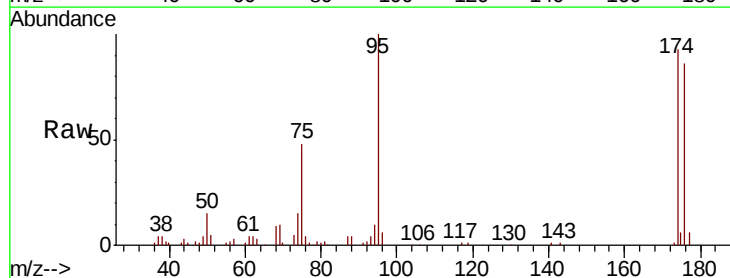
Manual Integrations
 APPROVED

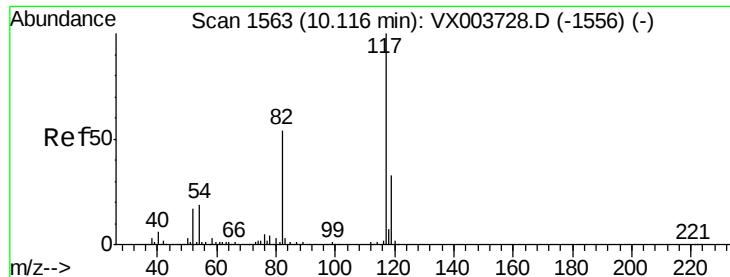
MMDadoda
 8/1/2018 10:39:59 AM



#62
 4-Bromofluorobenzene
 Concen: 9.86 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Tgt Ion: 95 Resp: 14988
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 186.2
 176 85.8 0.0 179.2





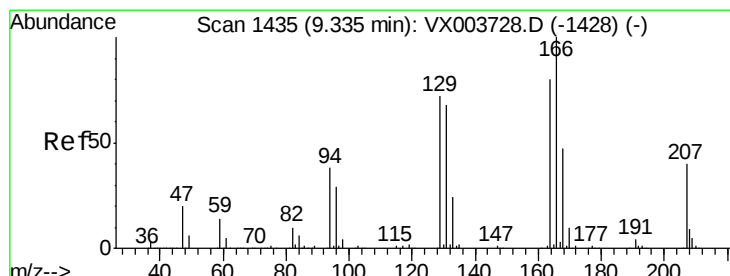
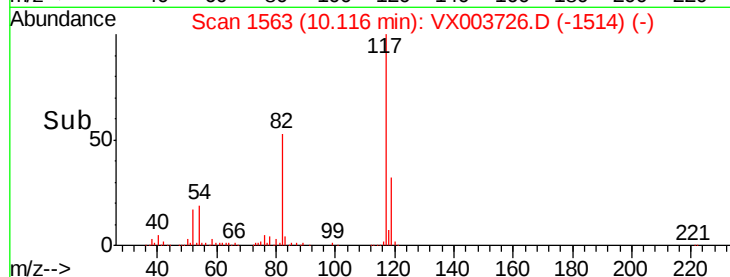
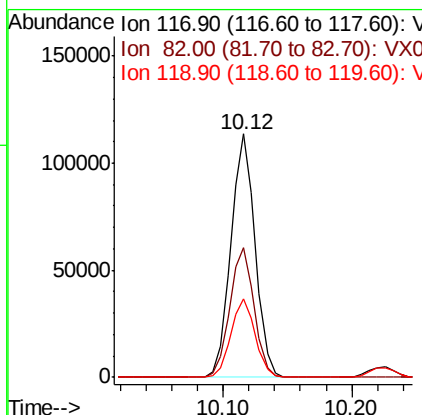
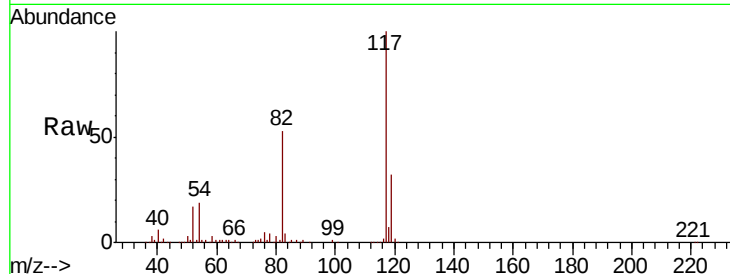
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	149530		
82	53.2	43.2	64.8	
119	32.1	26.3	39.5	

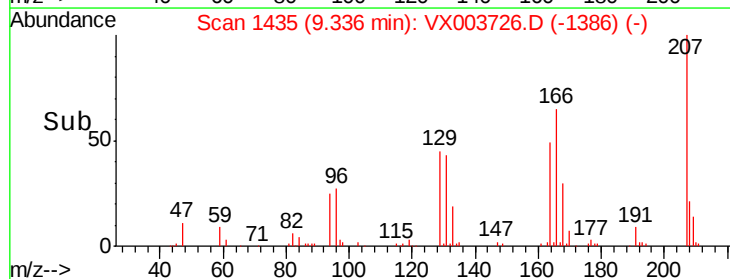
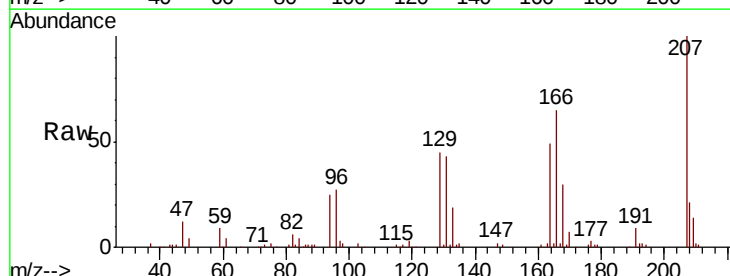
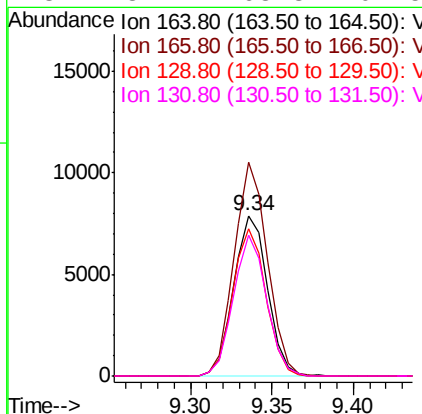
Manual Integrations
APPROVED

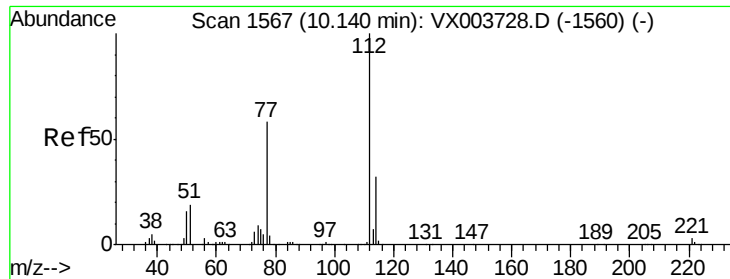
MMDadoda
8/1/2018 10:39:59 AM



#64
Tetrachloroethene
Concen: 9.72 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	11425		
166	133.3	100.4	150.6	
129	92.1	71.8	107.8	
131	87.7	68.3	102.5	





#65

Chlorobenzene

Concen: 9.95 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

VSTDIC010

Tot Ion:112 Resp: 31096

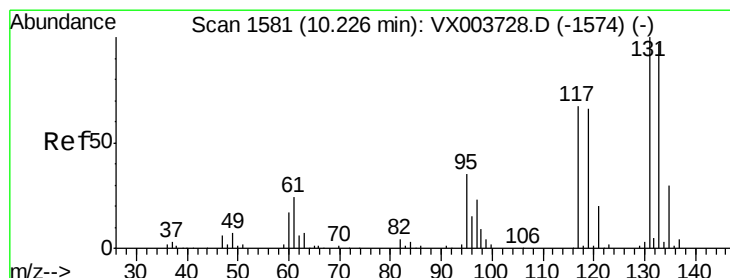
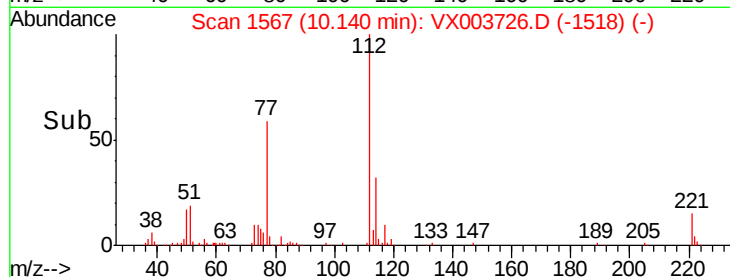
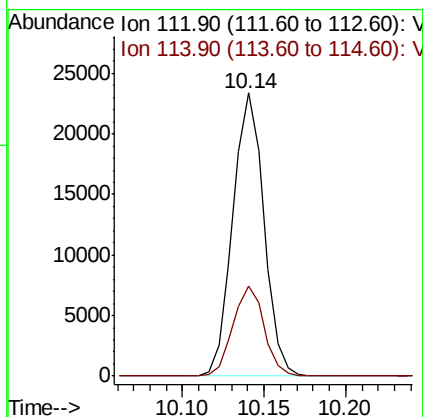
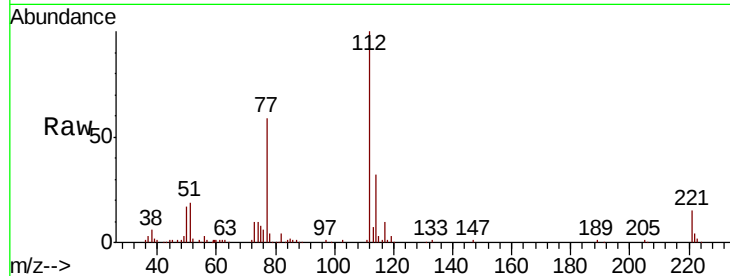
Ion Ratio Lower Upper

112 100

114 32.0 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
8/1/2018 10:39:59 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 9.70 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

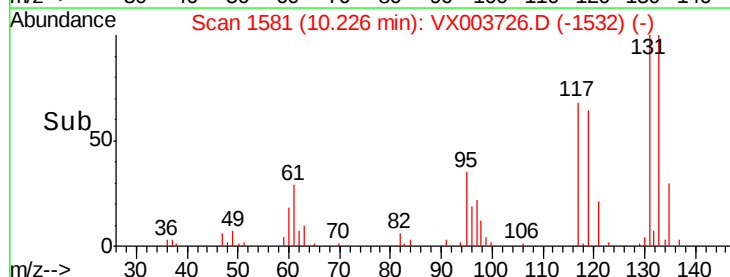
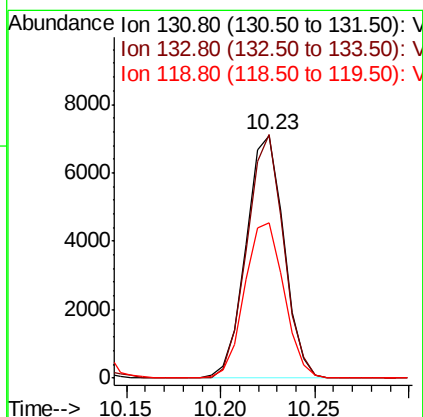
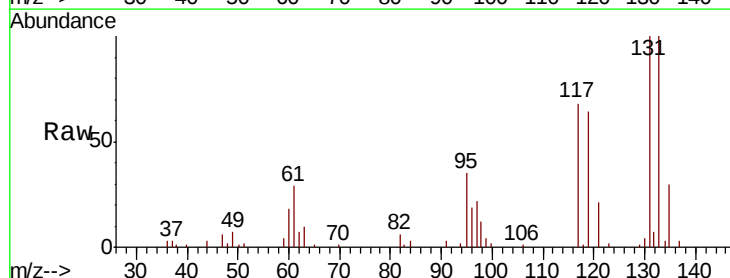
Tgt Ion:131 Resp: 9887

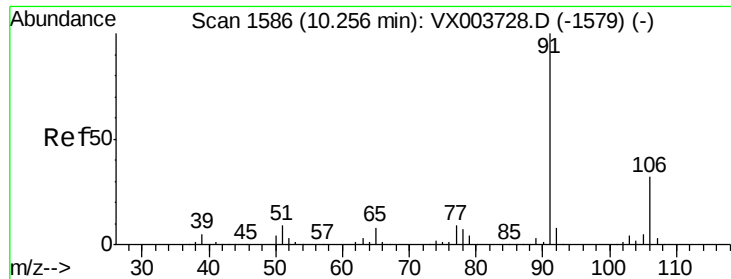
Ion Ratio Lower Upper

131 100

133 96.8 47.6 142.9

119 66.3 32.8 98.3





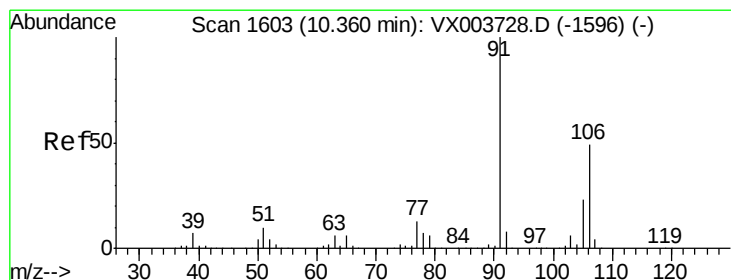
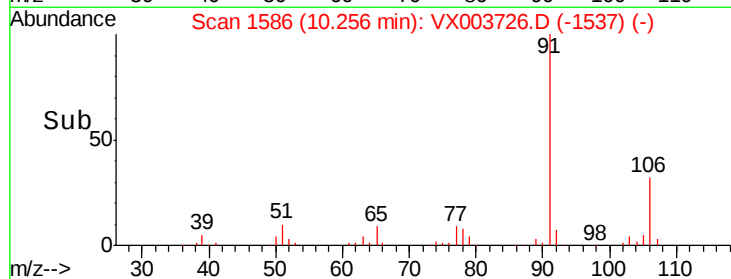
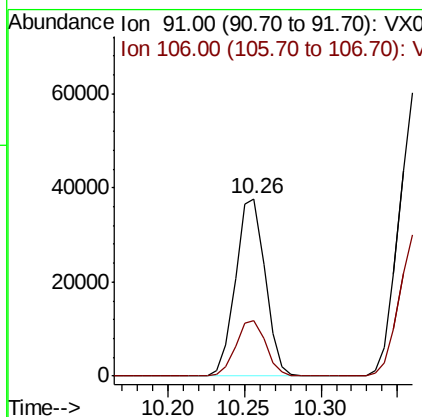
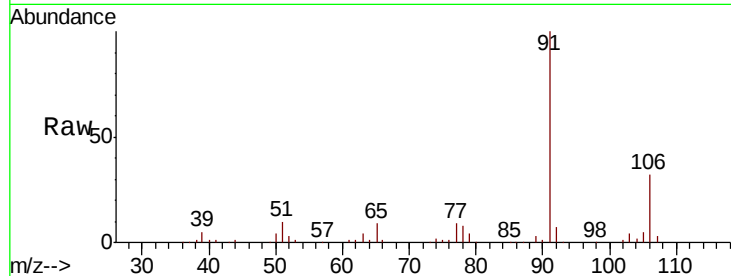
#67
Ethyl Benzene
Concen: 9.64 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 50872
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2

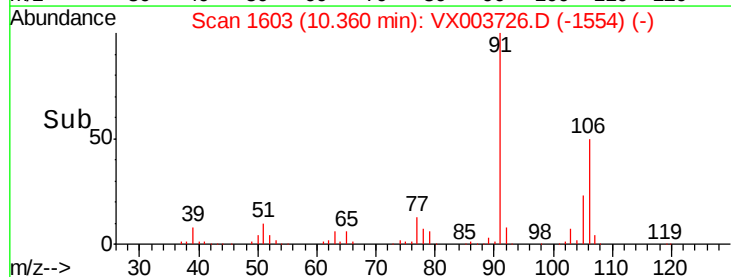
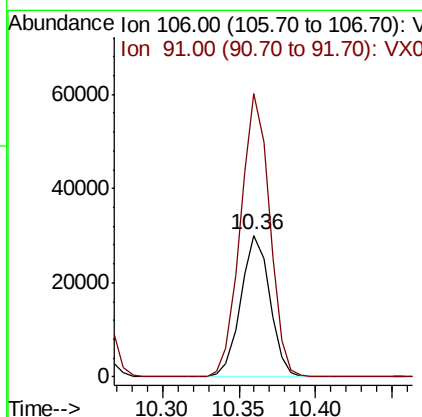
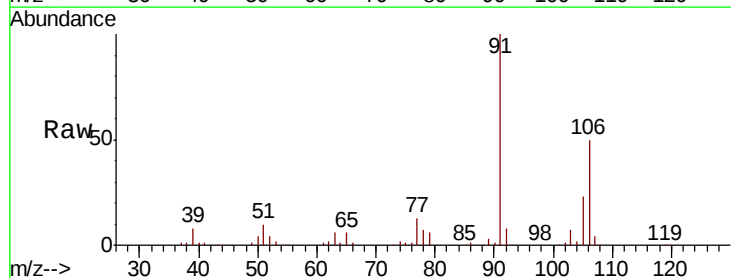
Manual Integrations
APPROVED

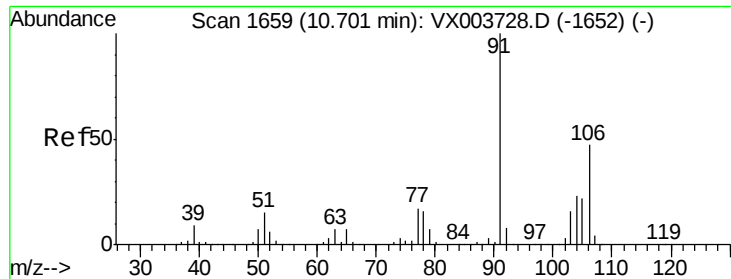
MMDadoda
8/1/2018 10:39:59 AM



#68
m/p-Xylenes
Concen: 19.24 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion: 106 Resp: 39711
Ion Ratio Lower Upper
106 100
91 200.9 159.8 239.8





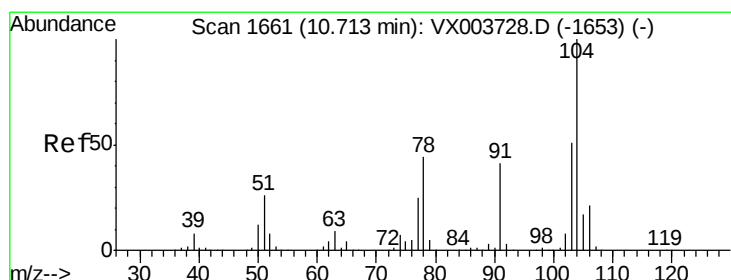
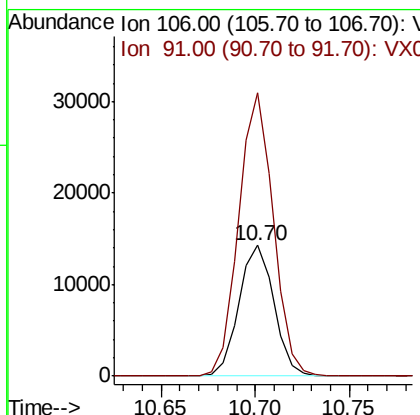
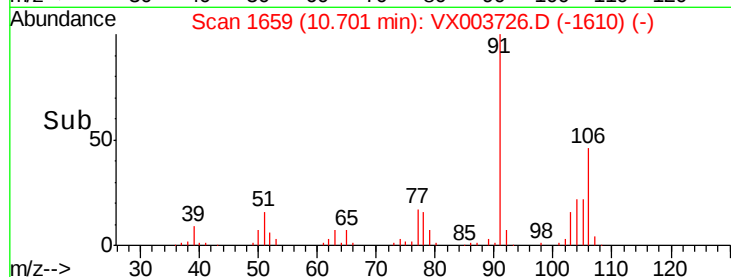
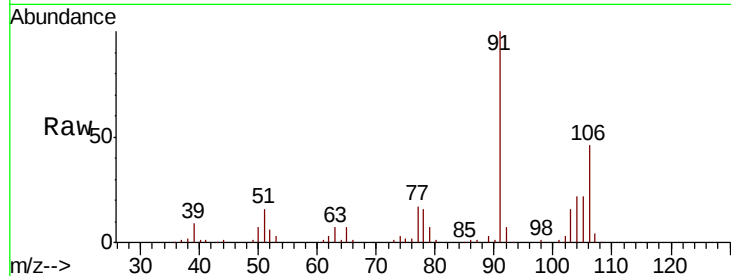
#69
o-Xylene
Concen: 9.61 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion:106 Resp: 18414
Ion Ratio Lower Upper
106 100
91 214.4 105.6 316.8

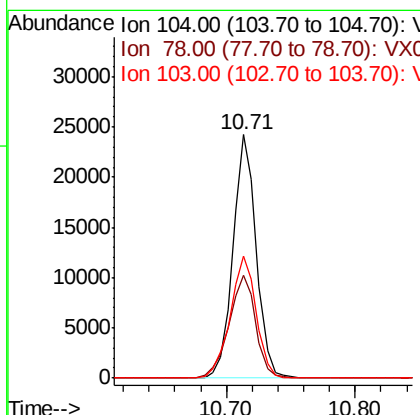
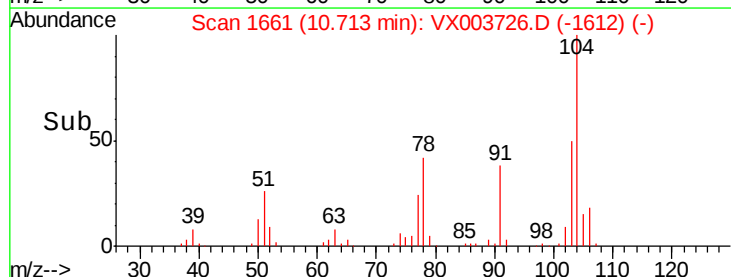
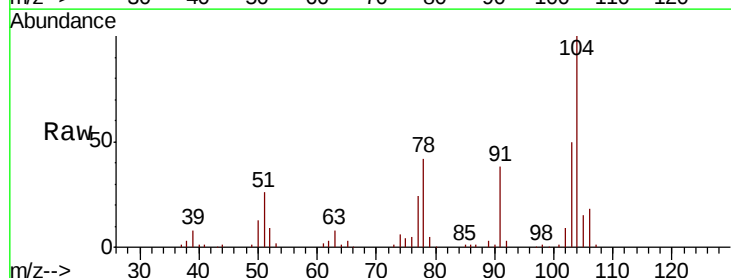
Manual Integrations
APPROVED

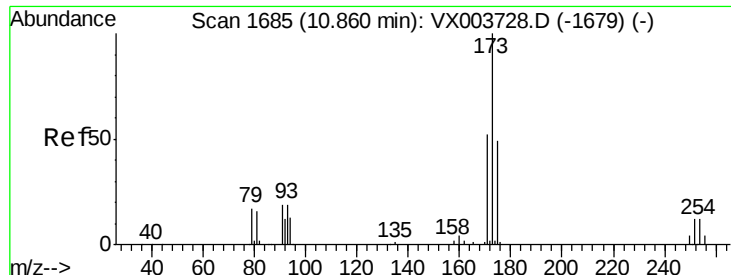
MMDadoda
8/1/2018 10:39:59 AM



#70
Styrene
Concen: 9.47 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion:104 Resp: 30541
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 56.5 44.5 66.7





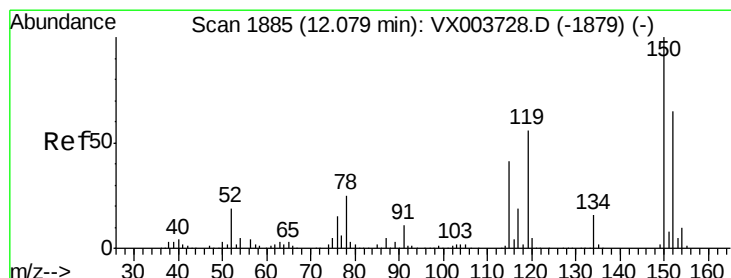
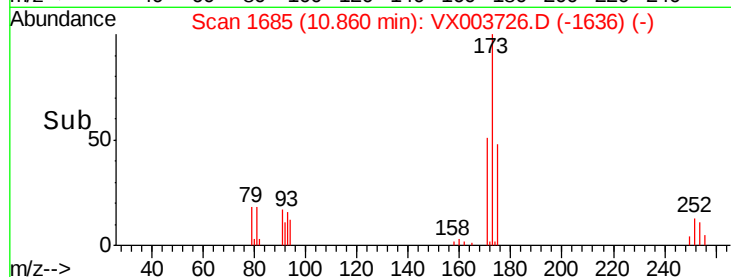
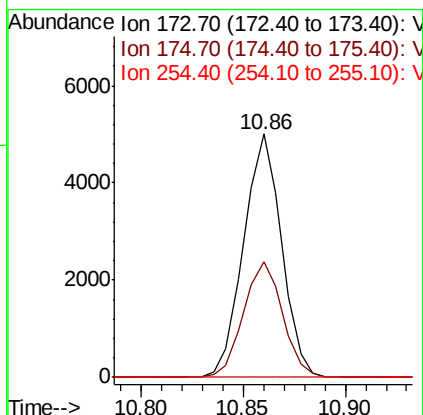
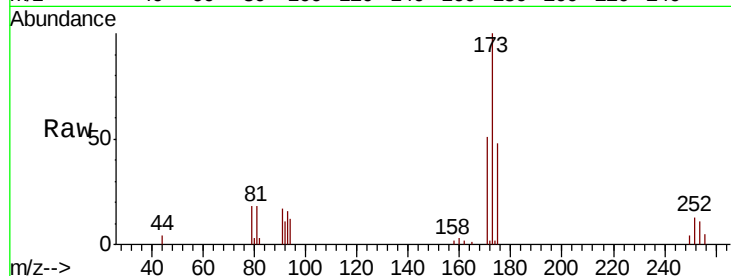
#71
Bromoform
Concen: 9.24 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.6
254	0.0	0.0	0.0

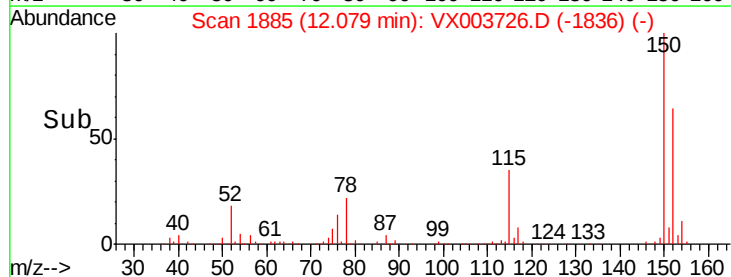
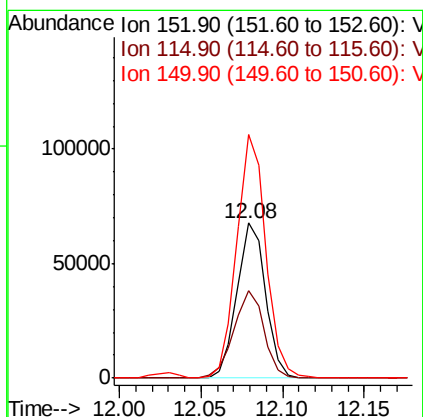
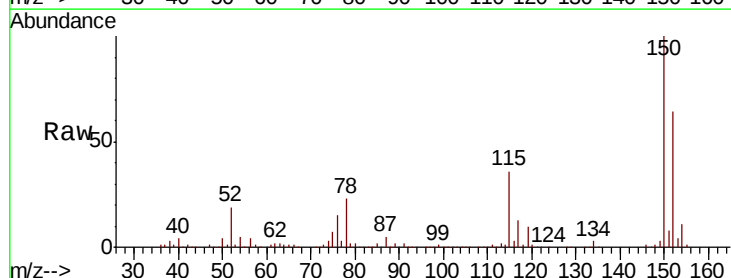
Manual Integrations
APPROVED

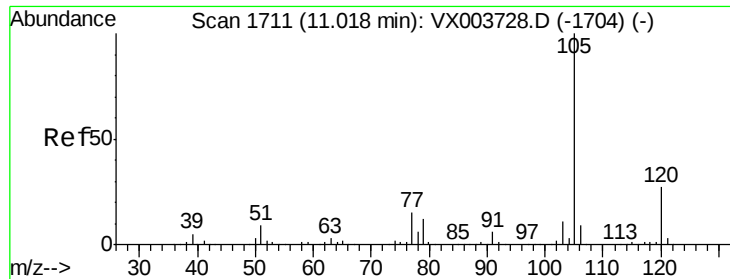
MMDadoda
8/1/2018 10:39:59 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	38.5	115.3
150	159.3	0.0	346.2





#73

Isopropylbenzene

Concen: 9.95 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 51601

Ion Ratio Lower Upper

105 100

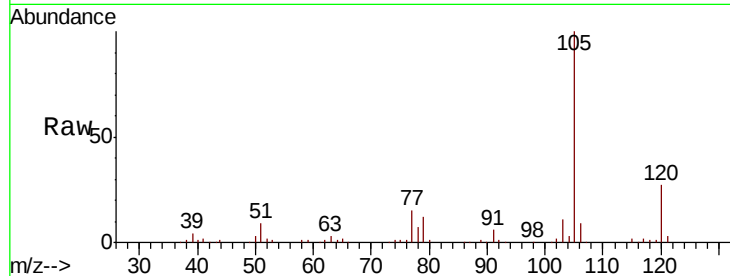
120 26.3 13.5 40.5

Manual Integrations

APPROVED

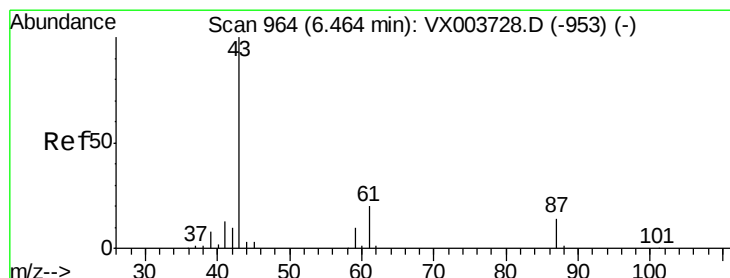
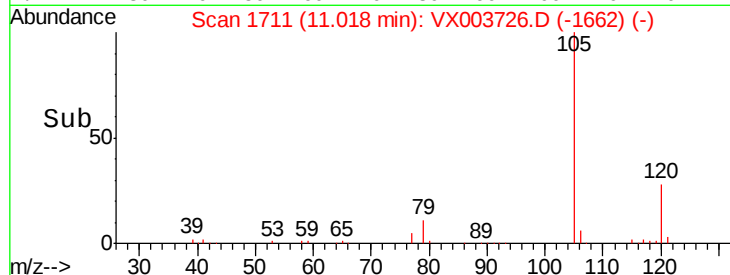
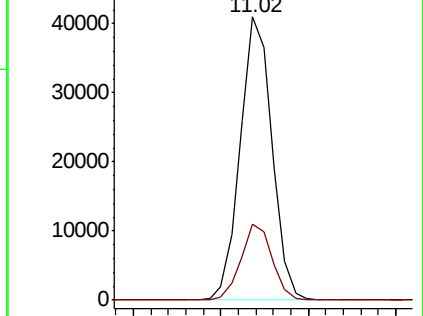
MMDadoda

8/1/2018 10:39:59 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 11.74 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Tgt Ion: 43 Resp: 19362

Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.9 28.3#

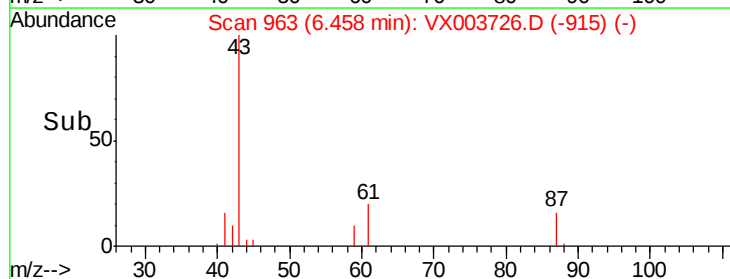
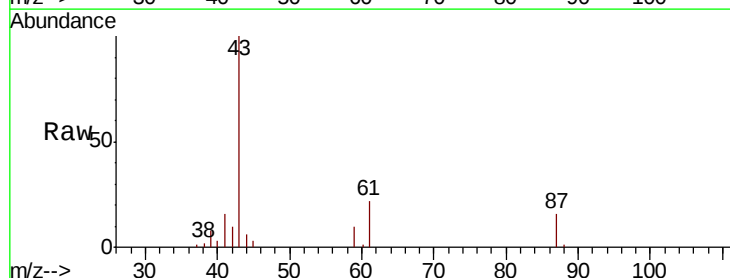
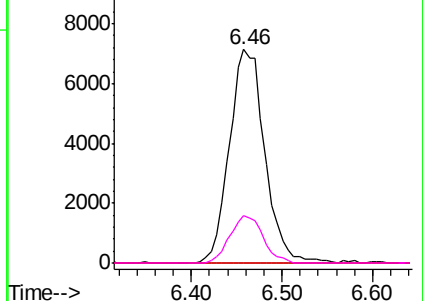
61 20.7 17.8 26.8

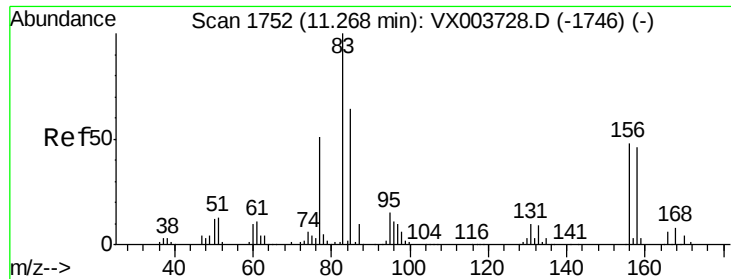
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.31 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

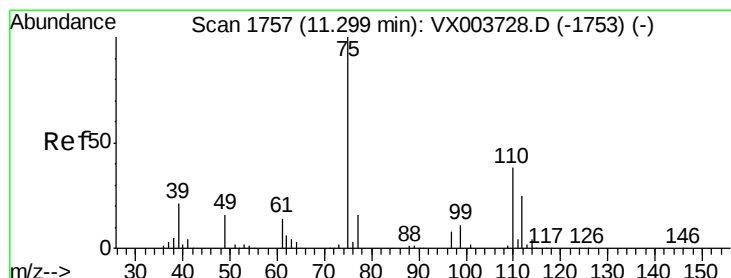
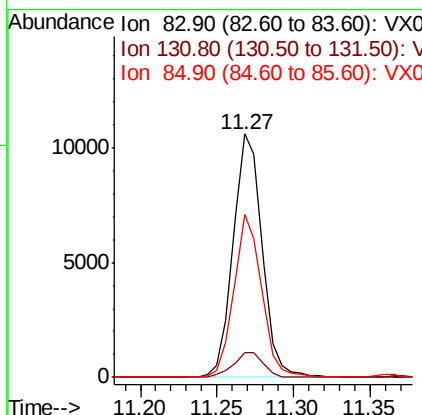
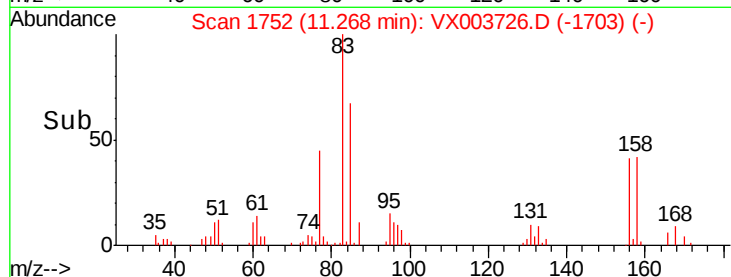
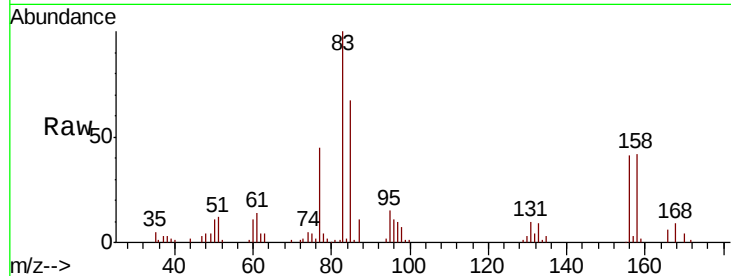
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	13903
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	64.2	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
8/1/2018 10:39:59 AM



#76

1,2,3-Trichloropropane

Concen: 10.44 ug/l m

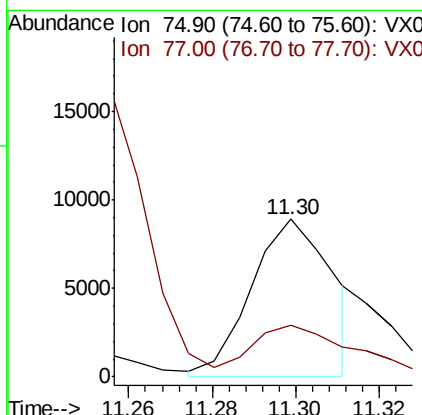
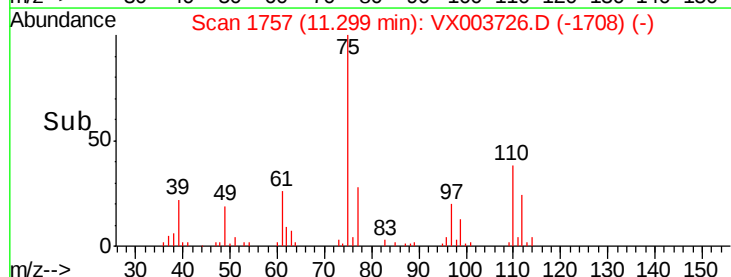
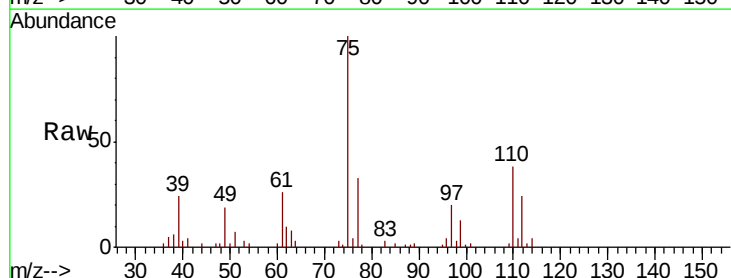
RT: 11.30 min Scan# 1757

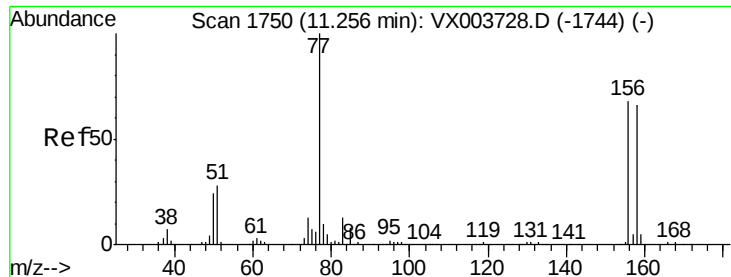
Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Tgt Ion:	75	Resp:	11921
Ion Ratio	Lower	Upper	
75	100		
77	42.3	21.6	65.0





#77

Bromobenzene

Concen: 10.01 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

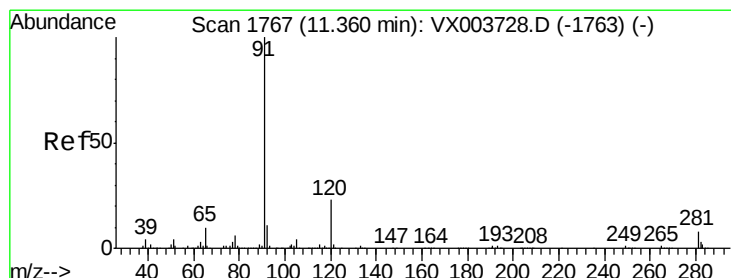
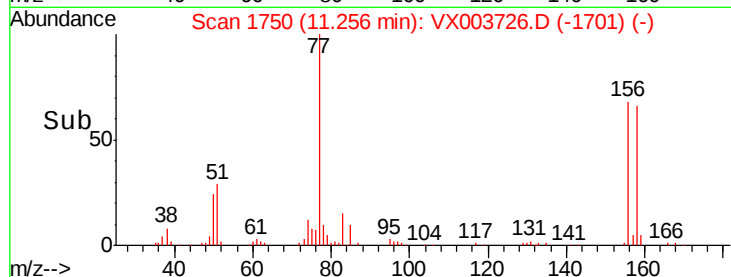
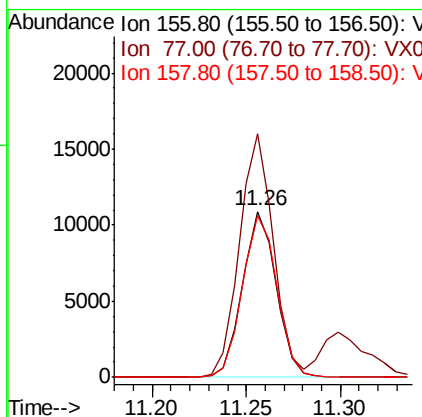
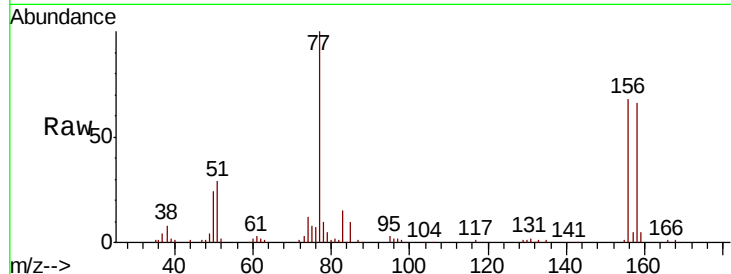
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	147.5	71.8	215.3	
158	99.7	48.8	146.4	

Manual Integrations
APPROVED

MMDadoda
8/1/2018 10:39:59 AM



#78

n-propylbenzene

Concen: 9.93 ug/l

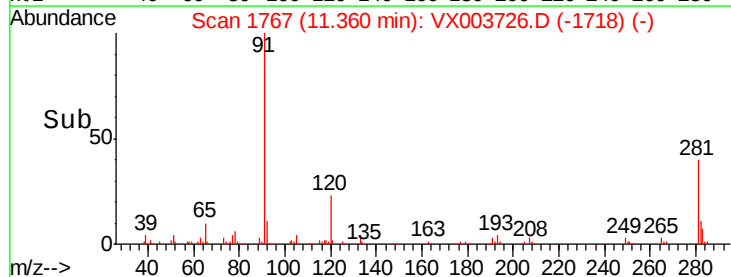
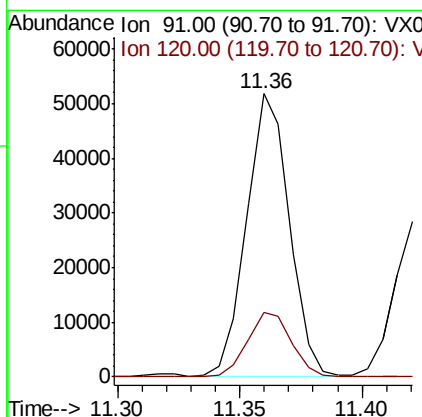
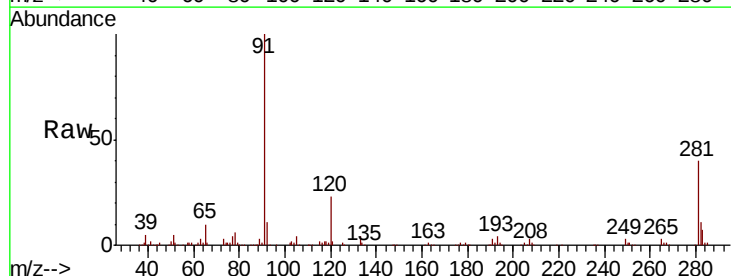
RT: 11.36 min Scan# 1767

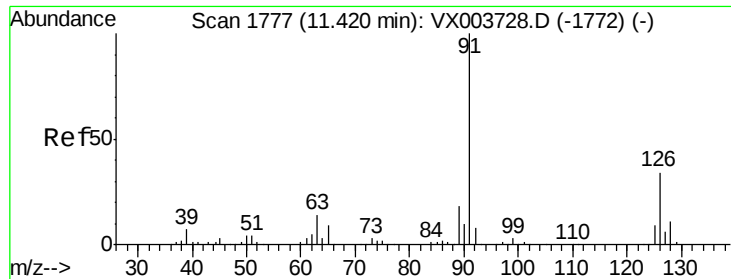
Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.5	11.9	35.5	





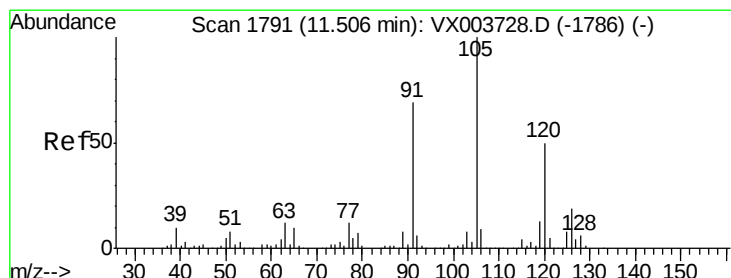
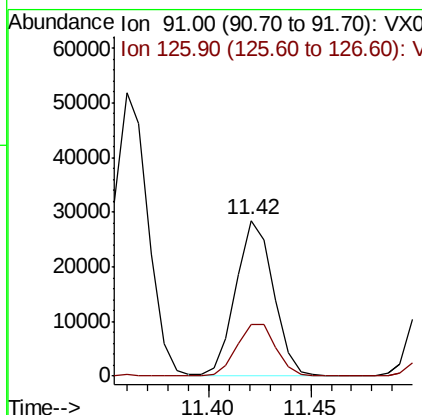
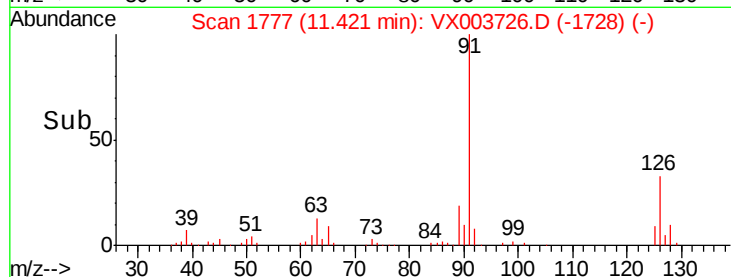
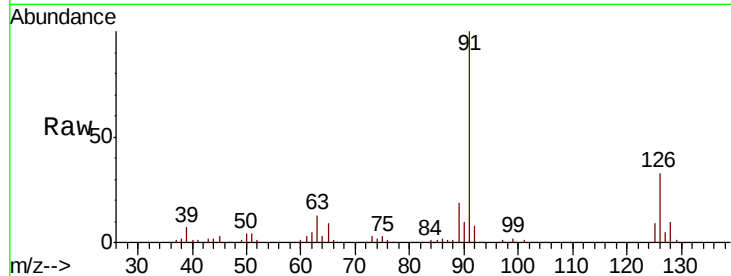
#79
 2-Chlorotoluene
 Concen: 10.15 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC010

Tot Ion: 91 Resp: 36210
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.8

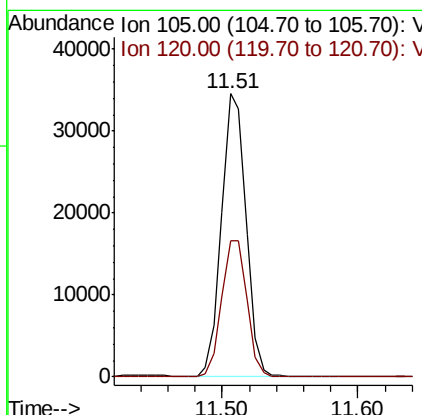
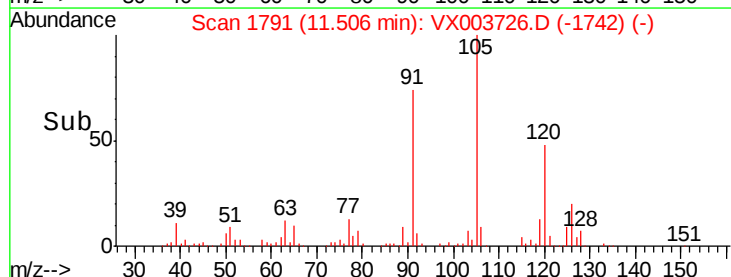
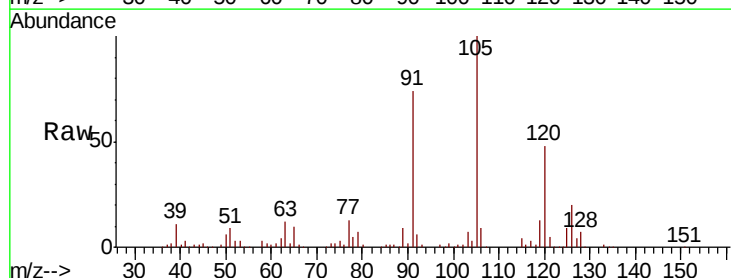
Manual Integrations
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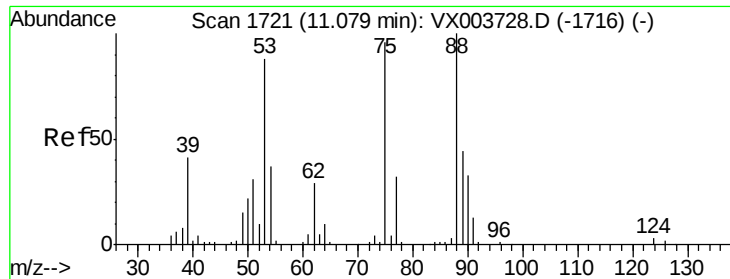
MMDadoda
 8/1/2018 10:39:59 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 8.56 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Tgt Ion: 105 Resp: 43334
 Ion Ratio Lower Upper
 105 100
 120 49.7 15.8 47.4#





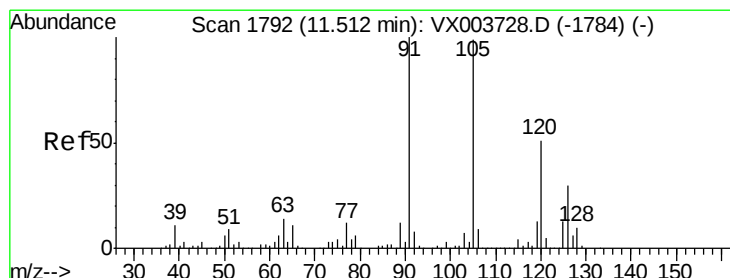
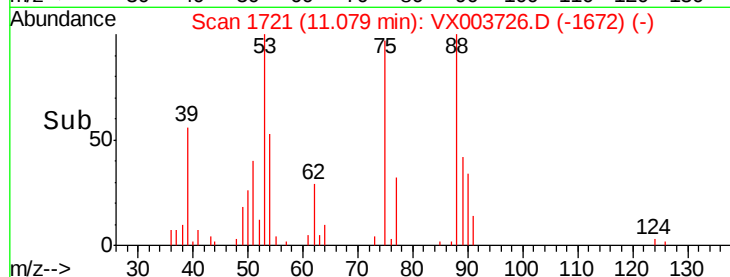
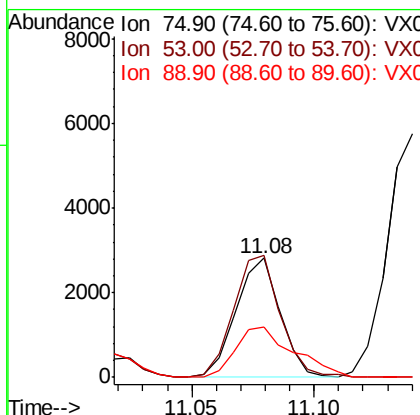
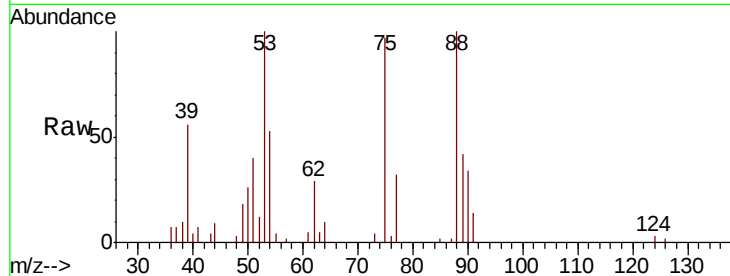
#81
trans-1,4-Dichloro-2-butene
Concen: 9.19 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.9	75.8	113.8
89	55.3	39.1	58.7

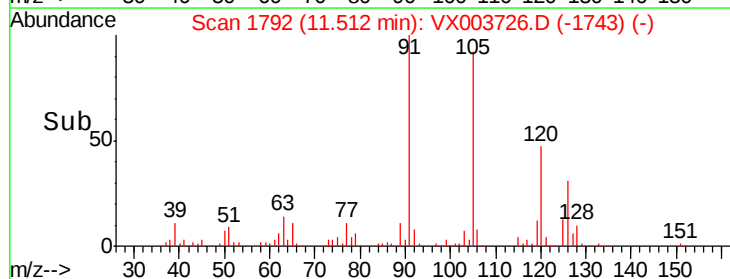
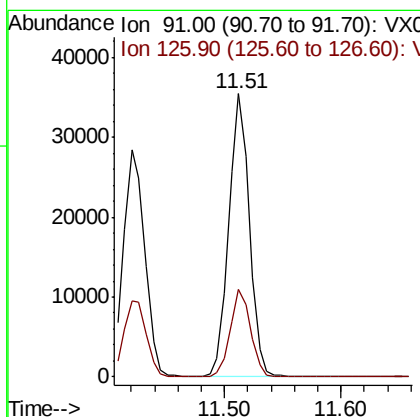
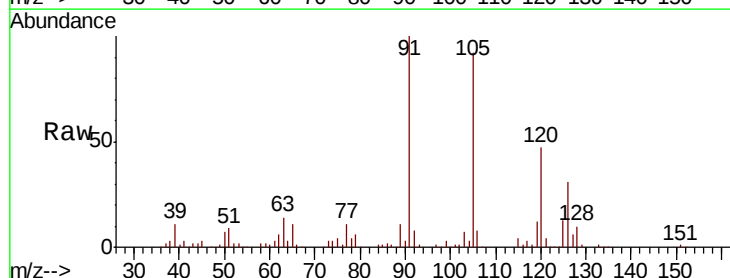
Manual Integrations
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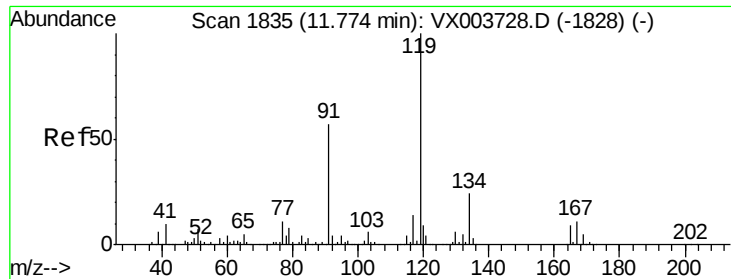
MMDadoda
8/1/2018 10:39:59 AM



#82
4-Chlorotoluene
Concen: 10.12 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.6	46.7





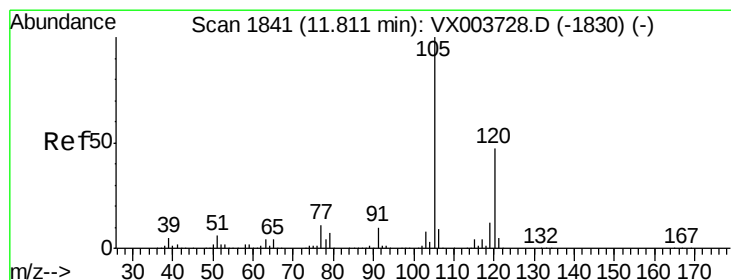
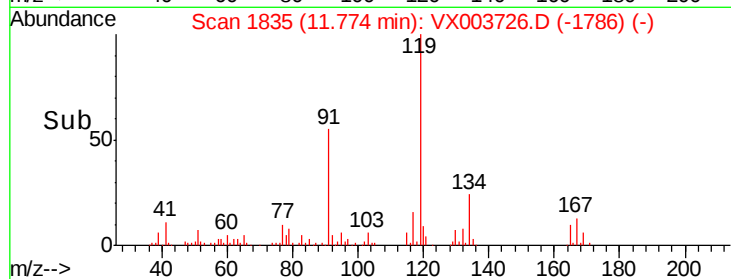
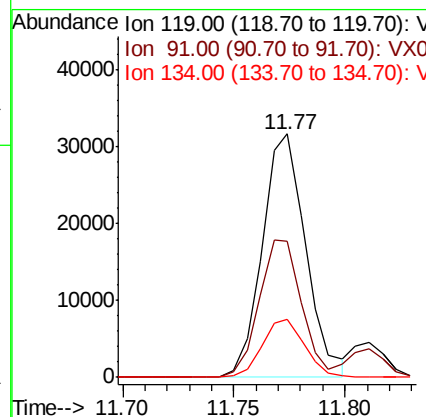
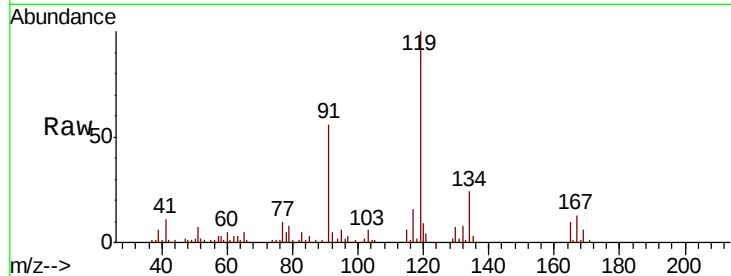
#83
tert-Butylbenzene
Concen: 9.82 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.9	27.2	81.6
134	23.2	11.6	34.8

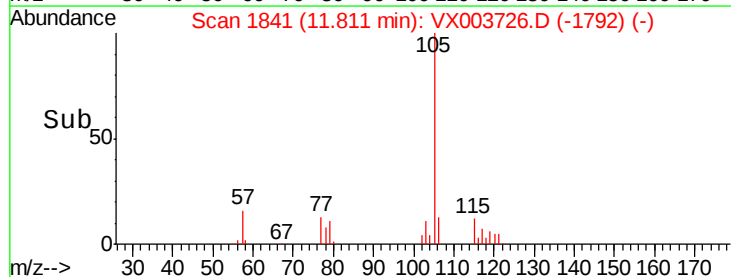
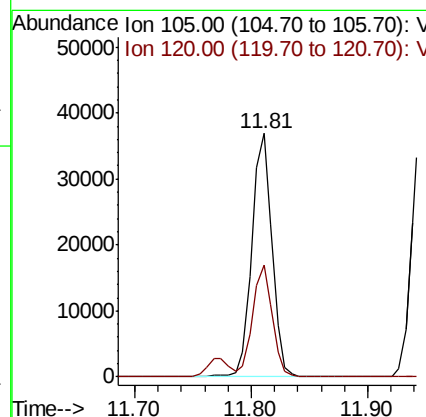
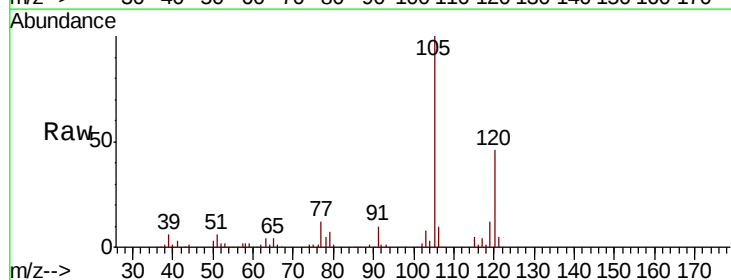
Manual Integrations
APPROVED

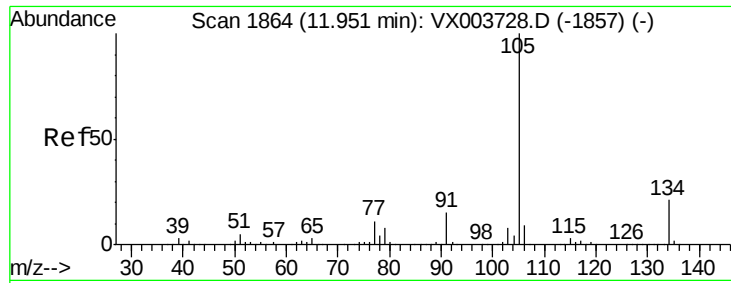
MMDadoda
8/1/2018 10:39:59 AM



#84
1,2,4-Trimethylbenzene
Concen: 9.82 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.1	69.2





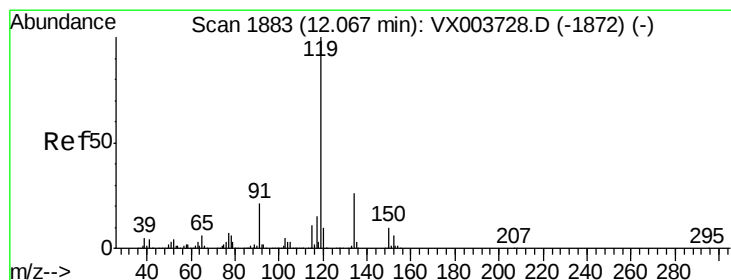
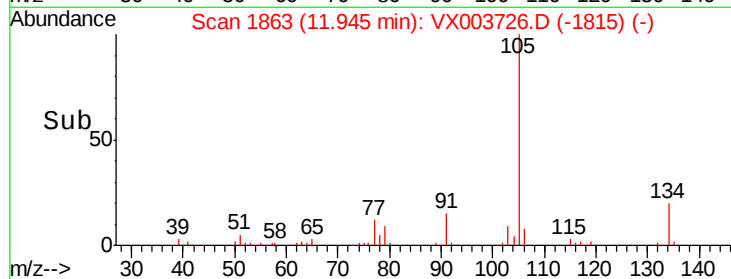
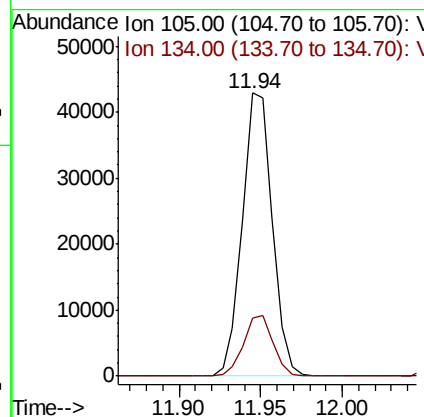
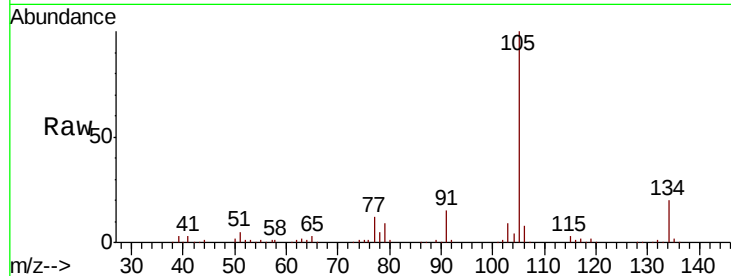
#85
 sec-Butylbenzene
 Concen: 9.84 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.3	30.8

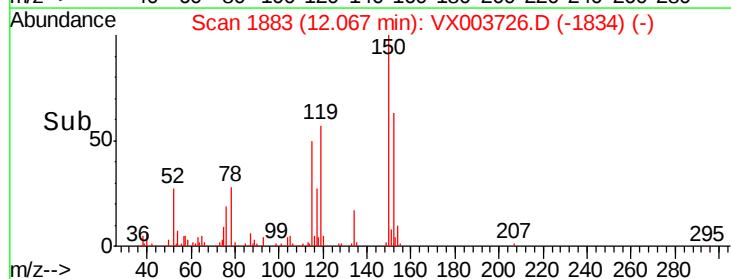
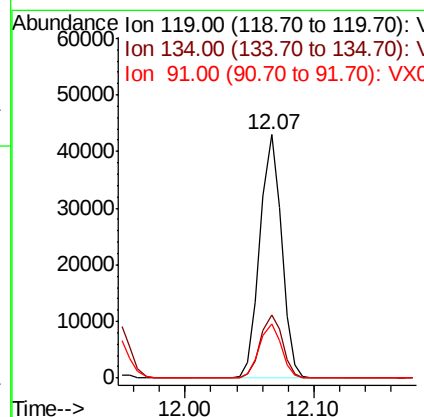
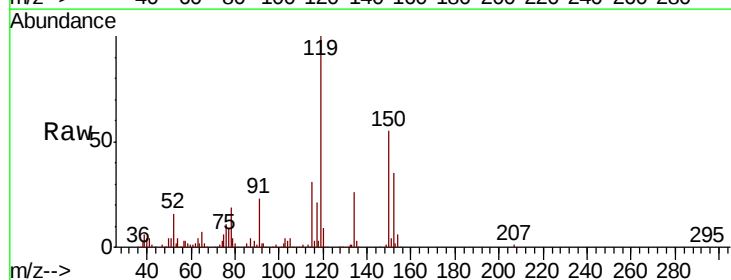
Manual Integrations
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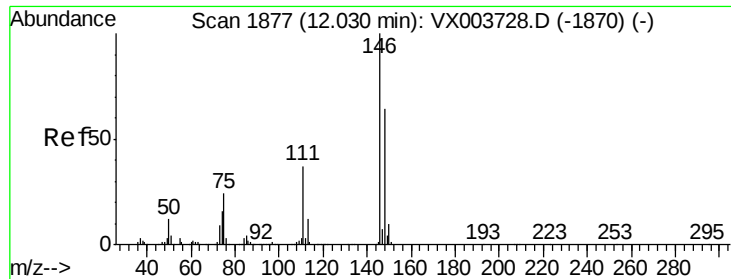
MMDadoda
 8/1/2018 10:39:59 AM



#86
 p-Isopropyltoluene
 Concen: 11.08 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	10.1	30.1
91	23.2	23.6	70.8#





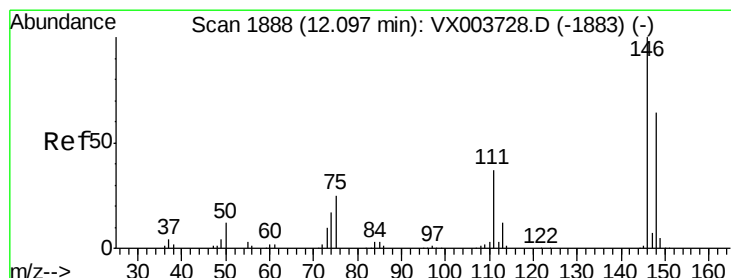
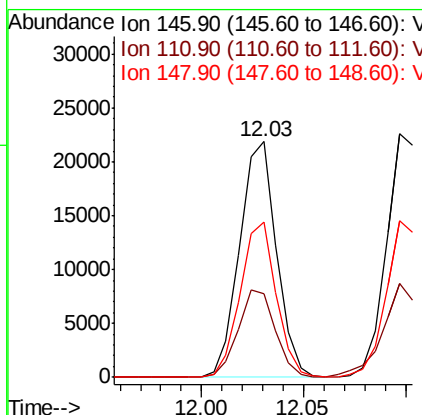
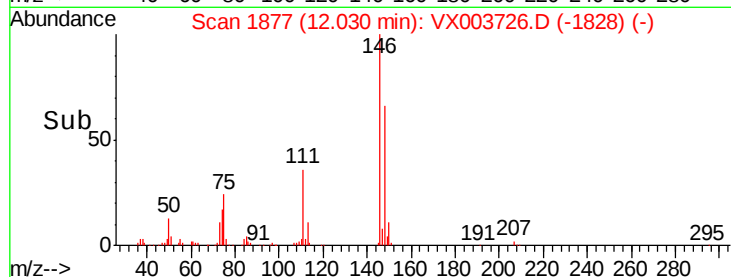
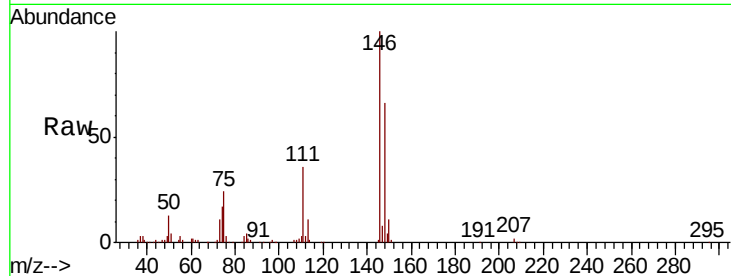
#87
 1,3-Dichlorobenzene
 Concen: 10.06 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.0	31.9	95.9

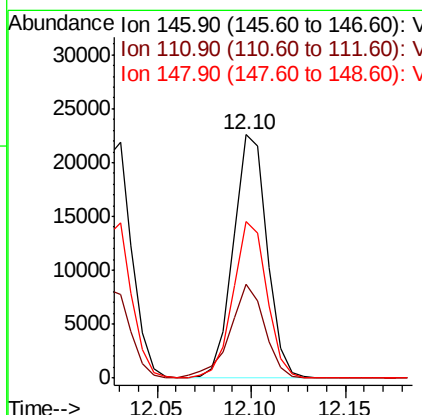
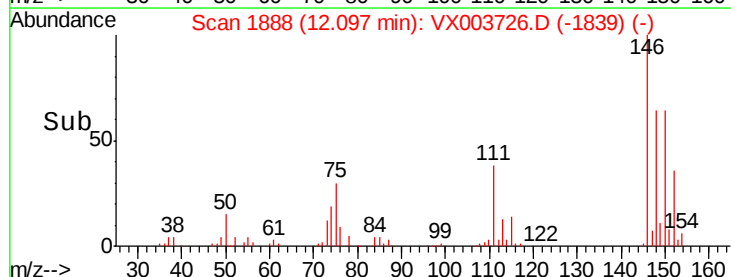
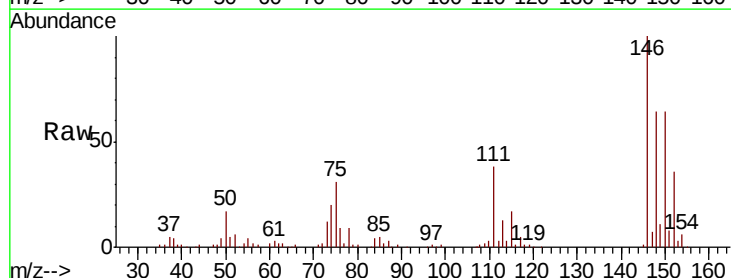
Manual Integrations
 APPROVED

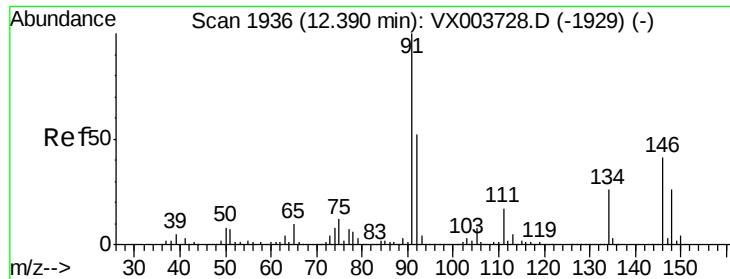
MMDadoda
 8/1/2018 10:39:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 10.07 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.3	54.9
148	64.4	32.0	96.2





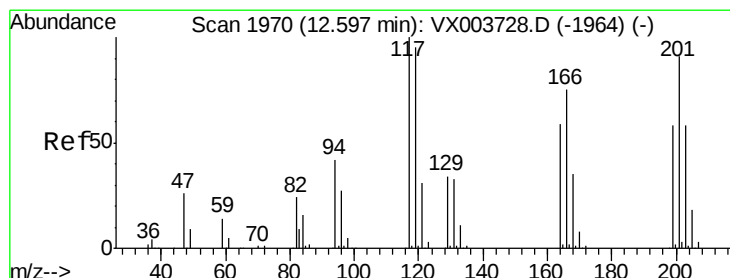
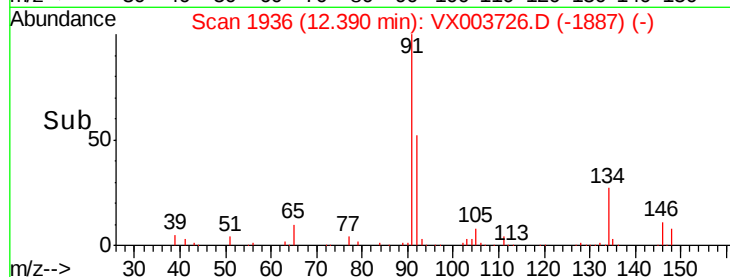
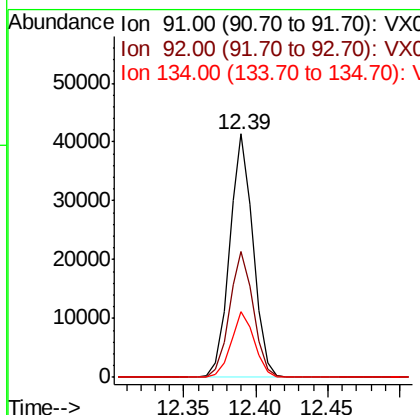
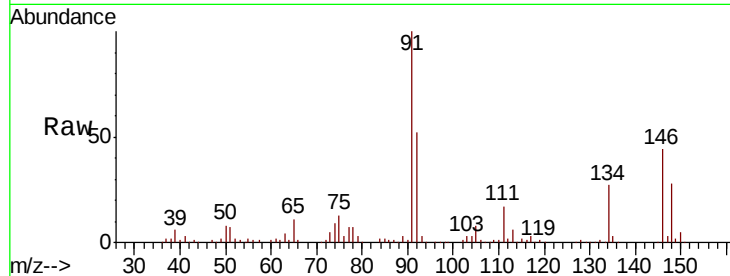
#89
n-Butylbenzene
Concen: 9.78 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	26.6	13.6	40.7

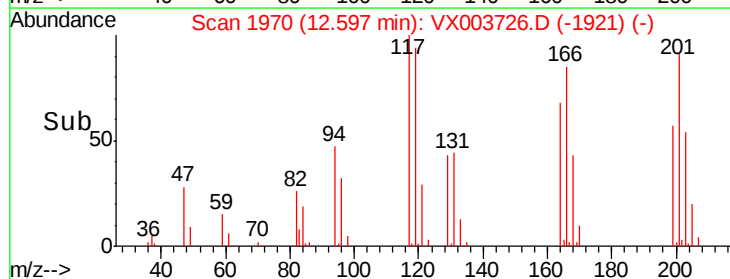
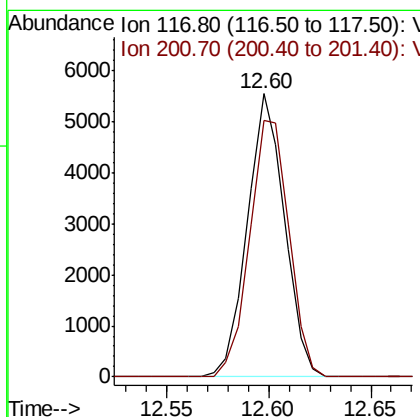
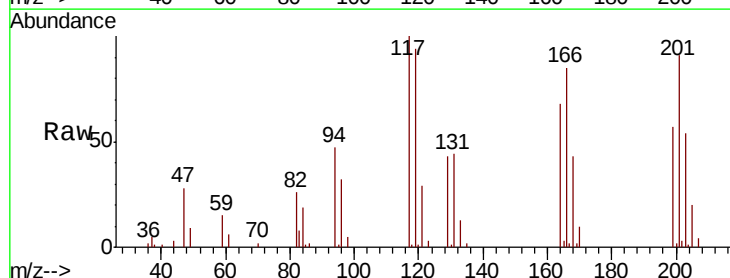
Manual Integrations
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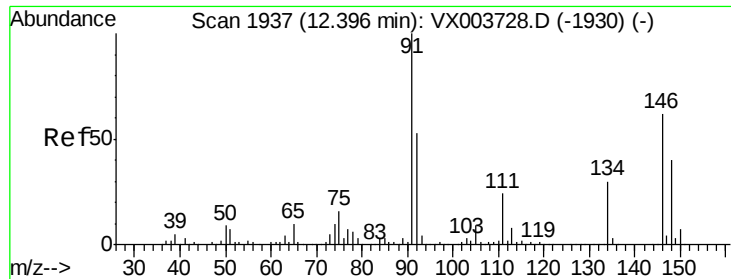
MMDadoda
8/1/2018 10:39:59 AM



#90
Hexachloroethane
Concen: 9.27 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.0	49.3	147.8





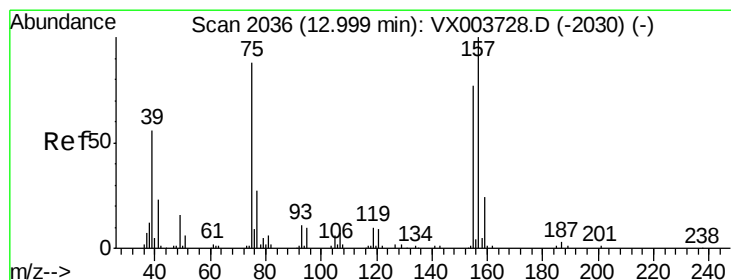
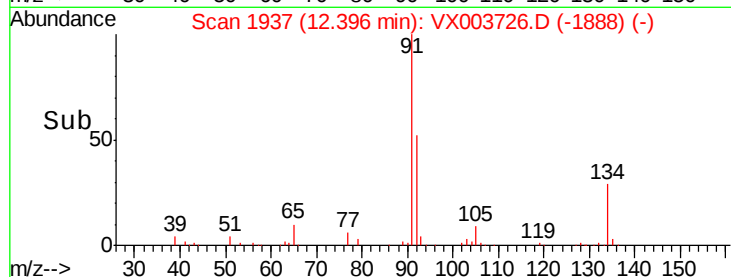
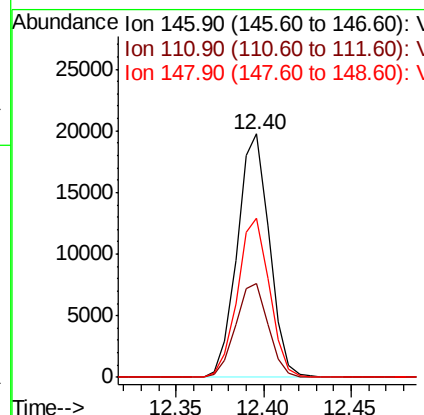
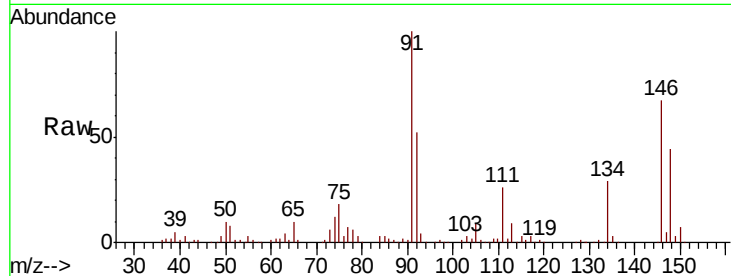
#91
1,2-Dichlorobenzene
Concen: 9.87 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.4
148	64.9	32.0	96.0

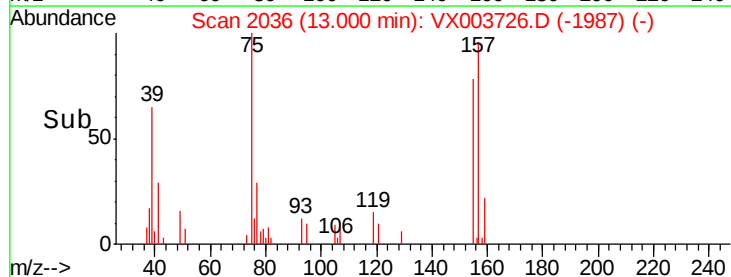
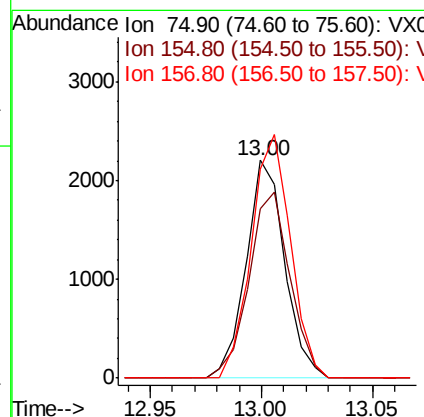
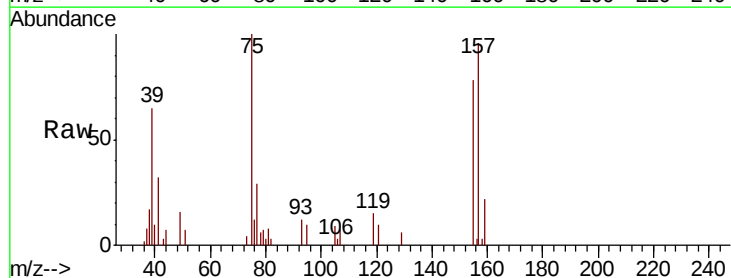
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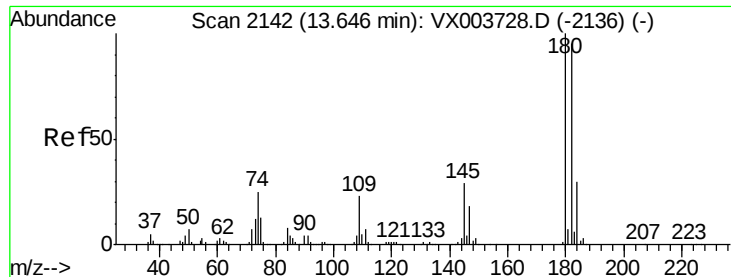
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 9.97 ug/l
RT: 13.00 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VX003726.D
Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.0	48.9	146.7
157	113.3	63.7	191.1





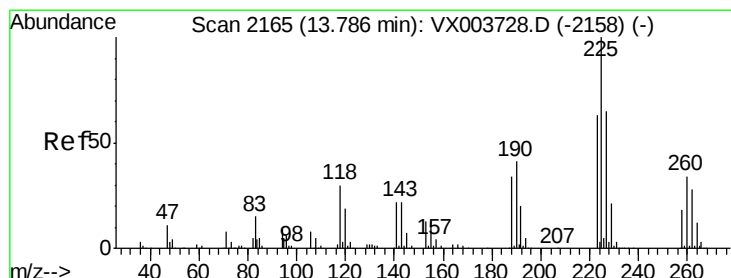
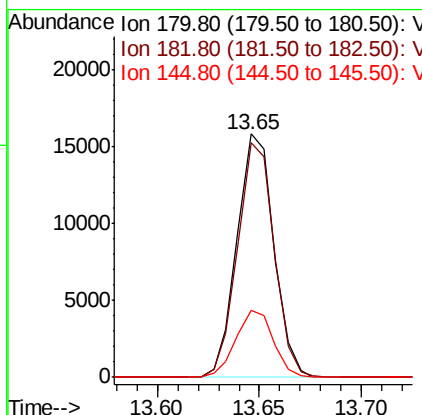
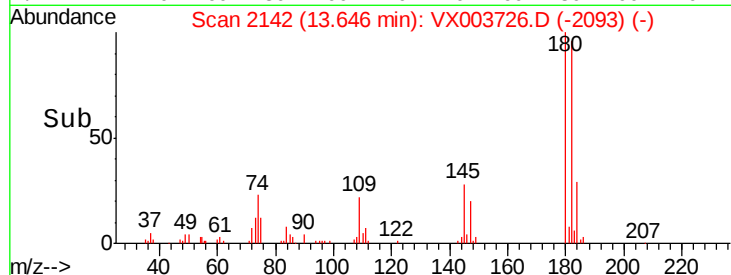
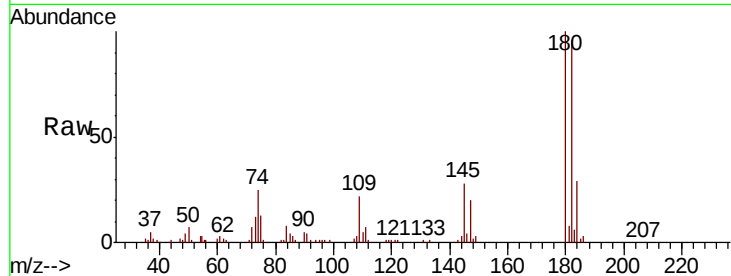
#93
 1,2,4-Trichlorobenzene
 Concen: 9.81 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.9
145	28.1	14.1	42.2

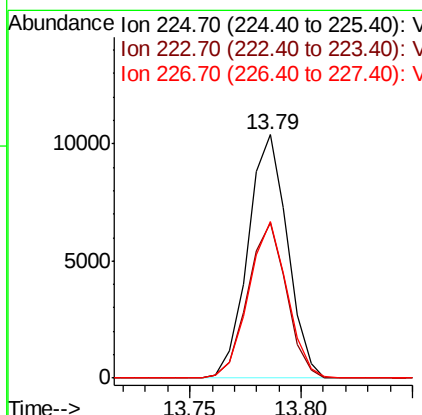
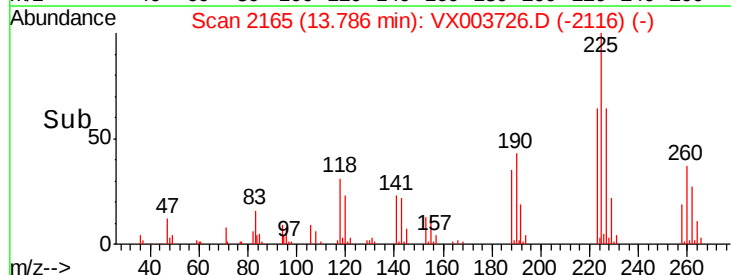
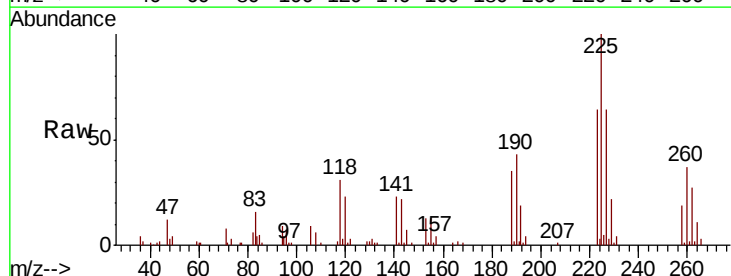
Manual Integrations
 APPROVED

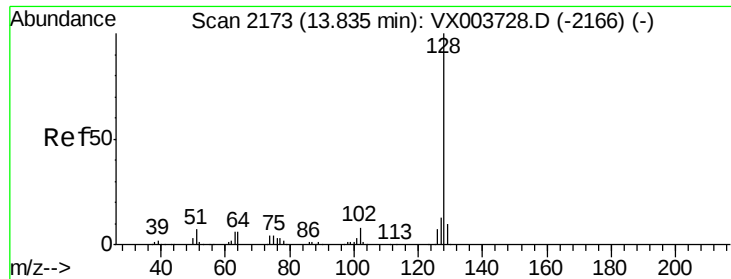
MMDadoda
 8/1/2018 10:39:59 AM



#94
 Hexachlorobutadiene
 Concen: 9.92 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003726.D
 Acq: 30 Jul 2018 16:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.1	93.5
227	62.8	31.9	95.9





#95

Naphthalene

Concen: 9.49 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Instrument :

MSVOA_X

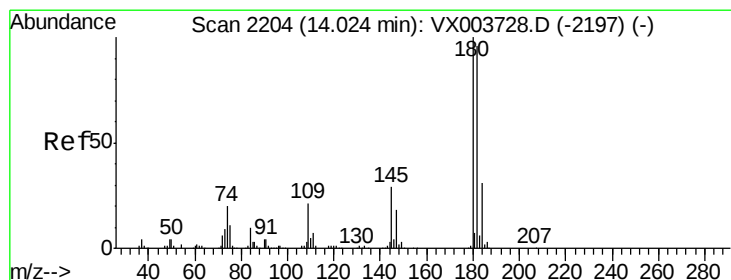
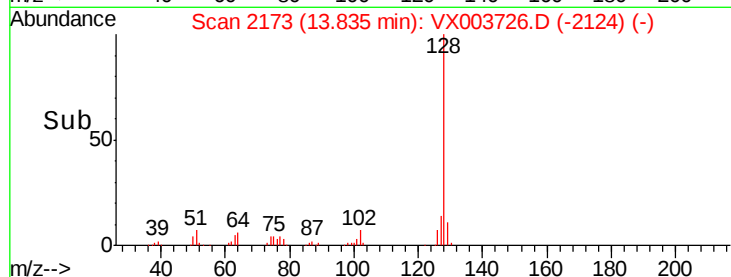
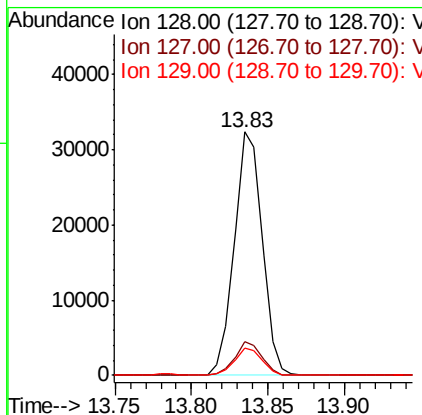
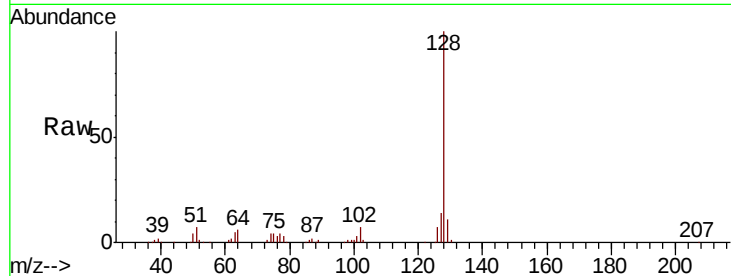
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	40989
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/1/2018 10:39:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 9.86 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003726.D

Acq: 30 Jul 2018 16:24

Tgt Ion:	180	Resp:	18094
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	29.5	14.7	44.1

