

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073018\
 Data File : VX003727.D
 Acq On : 30 Jul 2018 16:50
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:40:04 AM

Quant Time: Jul 31 05:35:10 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	101783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	150611	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	137993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	79381	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	20655	20.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.14%	
35) Dibromofluoromethane	5.50	113	17076	19.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.50%	
50) Toluene-d8	8.72	98	71860	19.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.86%	
62) 4-Bromofluorobenzene	11.14	95	26363	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	17961	20.91	ug/l	100
3) Chloromethane	1.32	50	22095	20.46	ug/l	100
4) Vinyl Chloride	1.40	62	23336	20.09	ug/l #	83
5) Bromomethane	1.64	94	13301	19.02	ug/l	99
6) Chloroethane	1.70	64	18048	22.08	ug/l	99
7) Trichlorofluoromethane	1.92	101	30190	28.68	ug/l	99
8) Diethyl Ether	2.19	74	11609	20.17	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	19018	19.68	ug/l	97
10) Methyl Iodide	2.50	142	21635	19.48	ug/l	98
11) Tert butyl alcohol	3.09	59	17226	103.34	ug/l	100
12) 1,1-Dichloroethene	2.37	96	18509	18.80	ug/l	98
13) Acrolein	2.29	56	7398	135.66	ug/l	96
14) Allyl chloride	2.72	41	32352	20.06	ug/l	99
15) Acrylonitrile	3.15	53	43277	102.09	ug/l	98
16) Acetone	2.45	43	38113	96.93	ug/l	99
17) Carbon Disulfide	2.56	76	55626	18.79	ug/l	100
18) Methyl Acetate	2.78	43	21935	19.85	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	50206	20.27	ug/l	100
20) Methylene Chloride	2.85	84	24063	19.96	ug/l	87
21) trans-1,2-Dichloroethene	3.16	96	19861	19.92	ug/l	93
22) Diisopropyl ether	3.87	45	59323	20.38	ug/l	99
23) Vinyl Acetate	3.82	43	212965	101.43	ug/l	99
24) 1,1-Dichloroethane	3.70	63	34450	20.29	ug/l	97
25) 2-Butanone	4.70	43	58422	101.92	ug/l	100
26) 2,2-Dichloropropane	4.57	77	27170	20.32	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	21210	19.74	ug/l	97
28) Bromochloromethane	5.02	49	15302	20.09	ug/l	97
29) Tetrahydrofuran	5.16	42	37676	103.14	ug/l	100
30) Chloroform	5.21	83	33611	20.09	ug/l	96
31) Cyclohexane	5.57	56	32039	19.54	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	29416	20.46	ug/l	100
36) 1,1-Dichloropropene	5.80	75	28011	19.86	ug/l	99
37) Ethyl Acetate	4.86	43	23518	21.71	ug/l	100
38) Carbon Tetrachloride	5.78	117	25061	19.21	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	33683	19.45	ug/l	97
40) Benzene	6.15	78	81459	20.15	ug/l	100
41) Methacrylonitrile	5.06	41	12522	20.50	ug/l	99
42) 1,2-Dichloroethane	6.20	62	24923	20.42	ug/l	98
43) Isopropyl Acetate	6.46	43	34521	20.00	ug/l	100
44) Trichloroethene	7.21	130	22344	19.38	ug/l	99
45) 1,2-Dichloropropane	7.52	63	20234	20.36	ug/l	95
46) Dibromomethane	7.67	93	11546	20.16	ug/l	98
47) Bromodichloromethane	7.90	83	22613	19.81	ug/l	99
48) Methyl methacrylate	7.78	41	17726	20.47	ug/l	98
49) 1,4-Dioxane	7.76	88	7138	408.43	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	111829	105.41	ug/l	99
52) Toluene	8.79	92	50727	20.12	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	25461	19.53	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	28950	19.92	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	18015	20.76	ug/l	99
56) Ethyl methacrylate	9.18	69	24040	20.17	ug/l	99
57) 1,3-Dichloropropane	9.37	76	29742	20.42	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	51545	90.40	ug/l	100
59) 2-Hexanone	9.50	43	84792	104.91	ug/l	100
60) Dibromochloromethane	9.59	129	17427	19.94	ug/l	98
61) 1,2-Dibromoethane	9.68	107	18475	20.85	ug/l	99
64) Tetrachloroethene	9.34	164	21101	19.45	ug/l	97
65) Chlorobenzene	10.14	112	57667	20.00	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	18485	19.66	ug/l	98
67) Ethyl Benzene	10.26	91	96906	19.90	ug/l	100
68) m/p-Xylenes	10.36	106	76285	40.05	ug/l	99
69) o-Xylene	10.70	106	35430	20.03	ug/l	98
70) Styrene	10.71	104	60371	20.29	ug/l	100
71) Bromoform	10.86	173	12362	19.12	ug/l #	99
73) Isopropylbenzene	11.02	105	98653	19.85	ug/l	100
74) N-amyl acetate	6.46	43	34521	21.84	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	11.27	83	26349	20.39	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	22274m	20.36	ug/l	
77) Bromobenzene	11.26	156	25857	19.96	ug/l	99
78) n-propylbenzene	11.36	91	120433	20.00	ug/l	100
79) 2-Chlorotoluene	11.42	91	68374	20.00	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	84280	17.38	ug/l #	68
81) trans-1,4-Dichloro-2-buten	11.08	75	7012	18.98	ug/l	91
82) 4-Chlorotoluene	11.51	91	82995	20.02	ug/l	99
83) tert-Butylbenzene	11.77	119	82483	19.66	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	87346	20.01	ug/l	99
85) sec-Butylbenzene	11.95	105	106622	19.86	ug/l	100
86) p-Isopropyltoluene	12.07	119	96951	22.53	ug/l #	70
87) 1,3-Dichlorobenzene	12.03	146	52429	20.00	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	53712	20.09	ug/l	99
89) n-Butylbenzene	12.39	91	91873	19.79	ug/l	99
90) Hexachloroethane	12.60	117	13740	18.97	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	49409	20.24	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	5190	20.25	ug/l	98

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ClientSampleId :
VSTDICC020

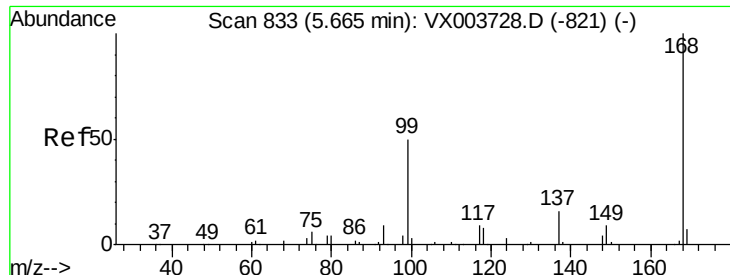
Manual Integrations
APPROVED

MMDadoda
8/1/2018 10:40:04 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	38527	19.90	ug/l	100
94) Hexachlorobutadiene	13.79	225	24646	19.91	ug/l	99
95) Naphthalene	13.83	128	83831	20.26	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	35707	20.32	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 101783

Ion Ratio Lower Upper

168 100

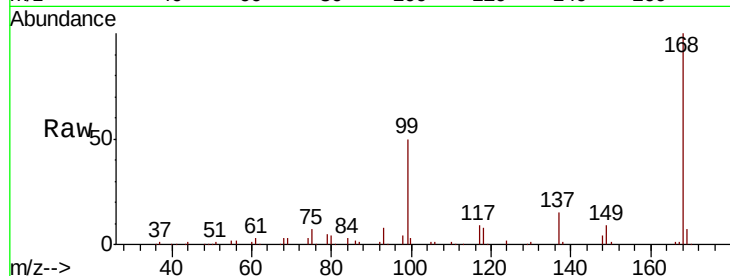
99 50.5 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

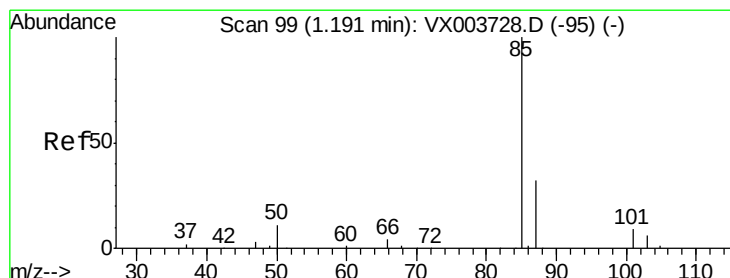
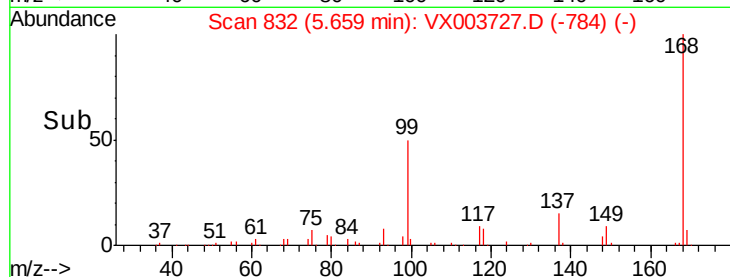
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.91 ug/l

RT: 1.19 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX003727.D

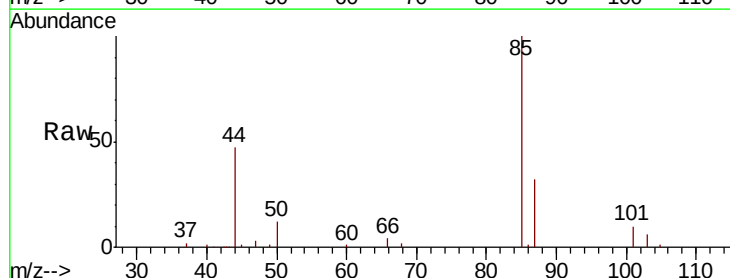
Acq: 30 Jul 2018 16:50

Tgt Ion: 85 Resp: 17961

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

15000

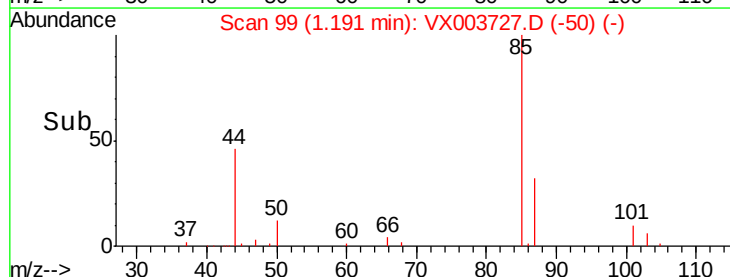
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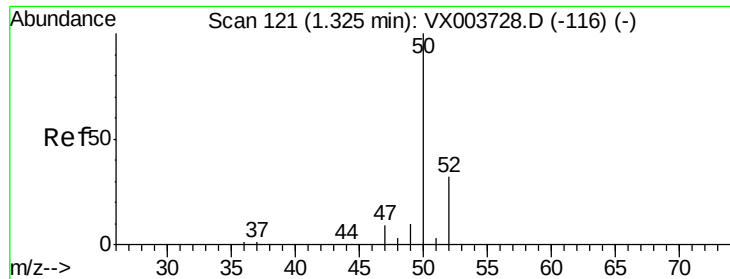
5000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.46 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 22095

Ion Ratio Lower Upper

50 100

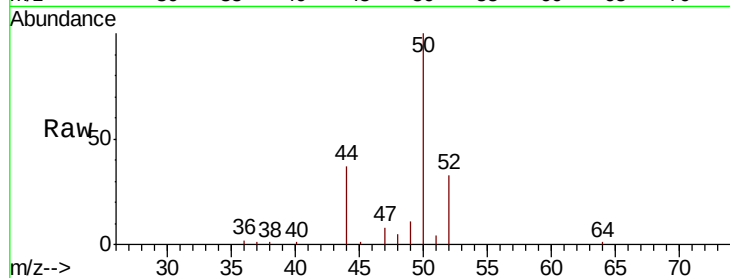
52 32.6 25.9 38.9

Manual Integrations

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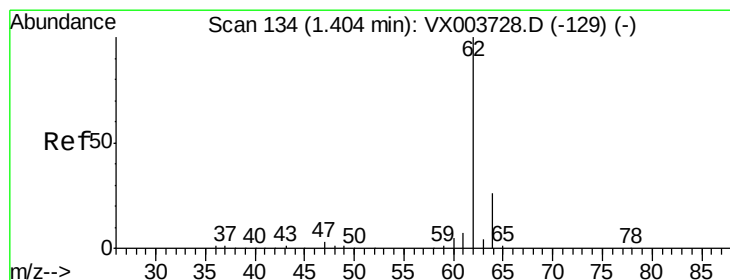
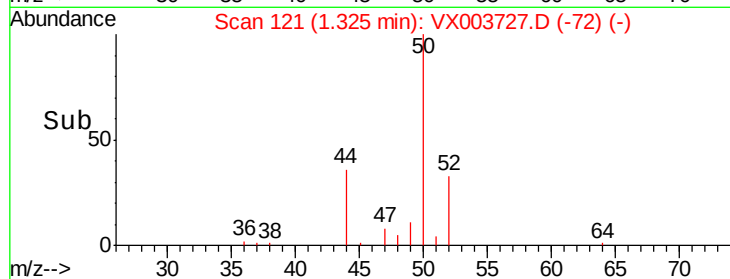
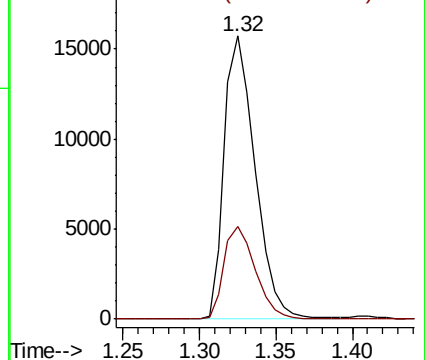
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.09 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003727.D

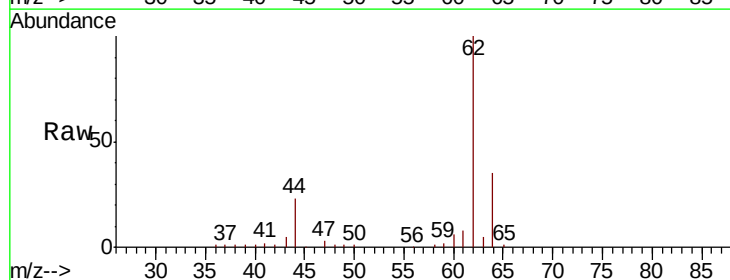
Acq: 30 Jul 2018 16:50

Tgt Ion: 62 Resp: 23336

Ion Ratio Lower Upper

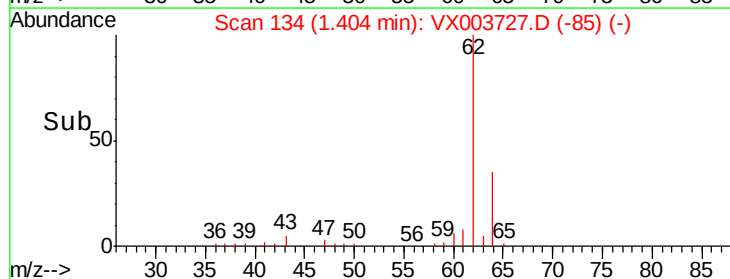
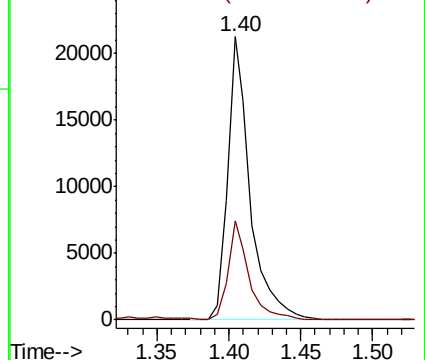
62 100

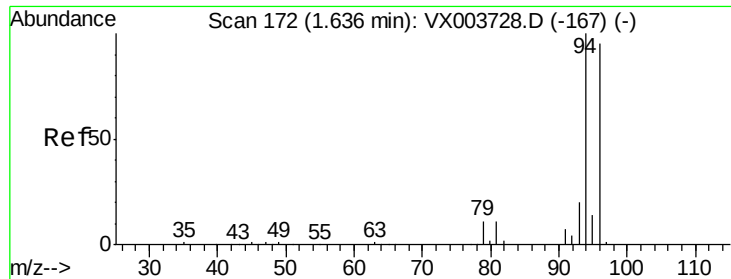
64 34.9 21.0 31.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.02 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 13301

Ion Ratio Lower Upper

94 100

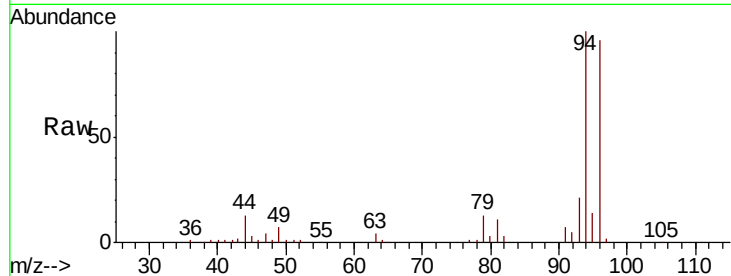
96 95.6 76.0 114.0

Manual Integrations

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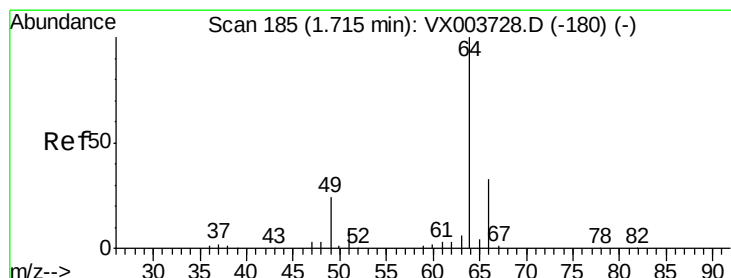
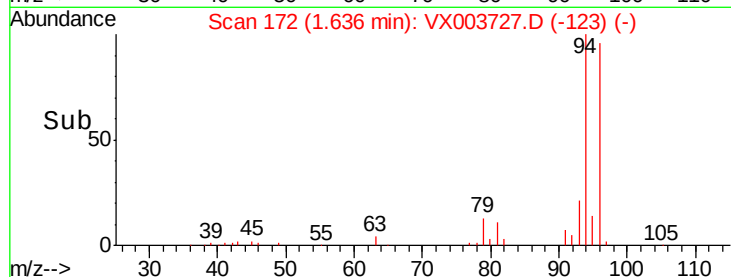
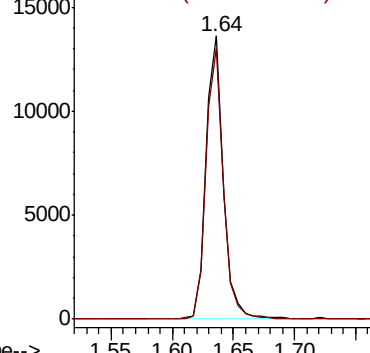
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.08 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX003727.D

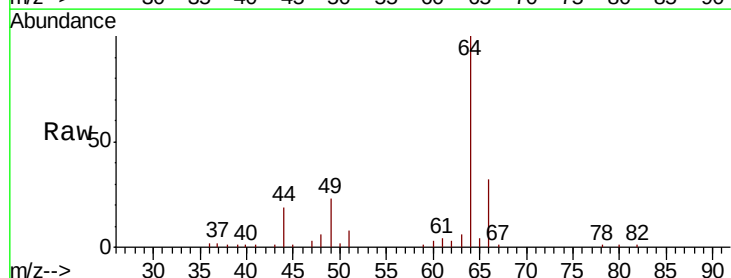
Acq: 30 Jul 2018 16:50

Tgt Ion: 64 Resp: 18048

Ion Ratio Lower Upper

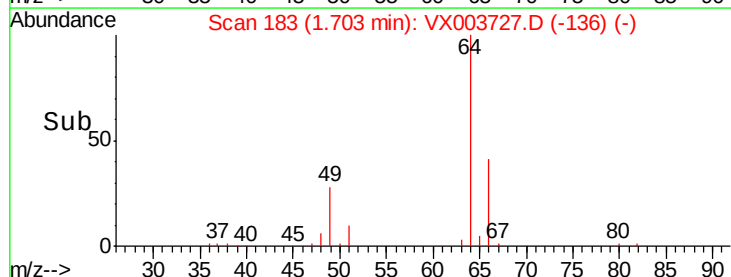
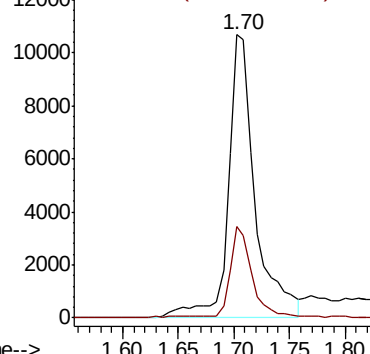
64 100

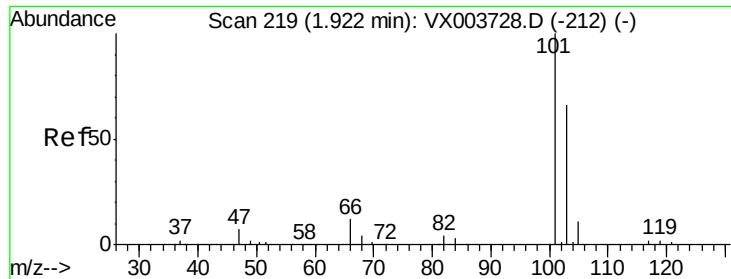
66 32.4 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

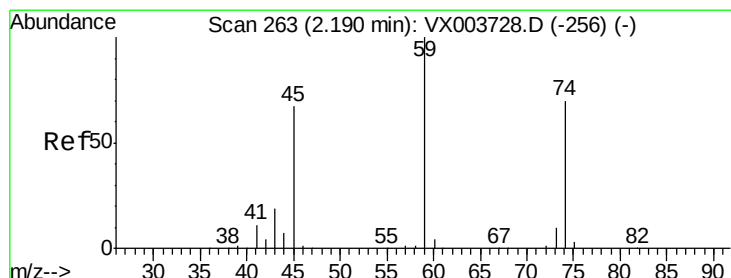
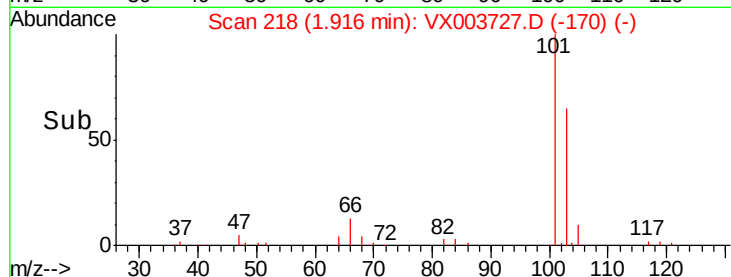
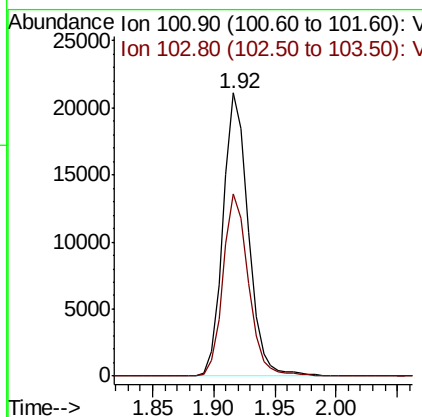
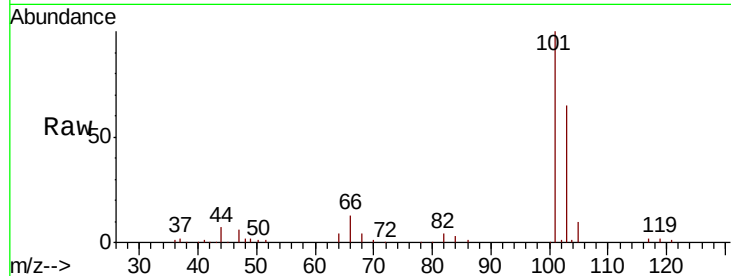
Trichlorofluoromethane
Concen: 28.68 ug/l
RT: 1.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.6	78.8

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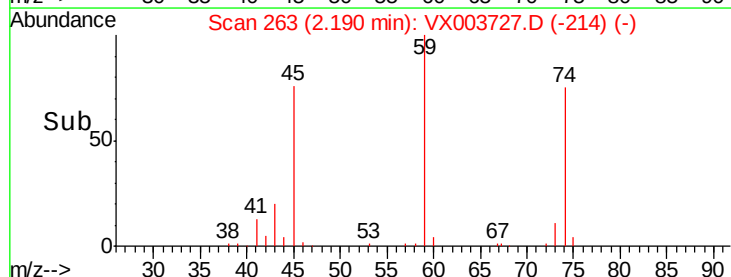
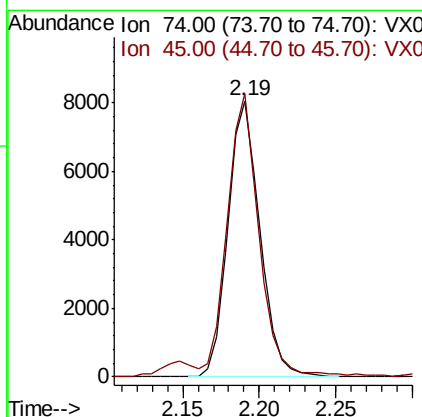
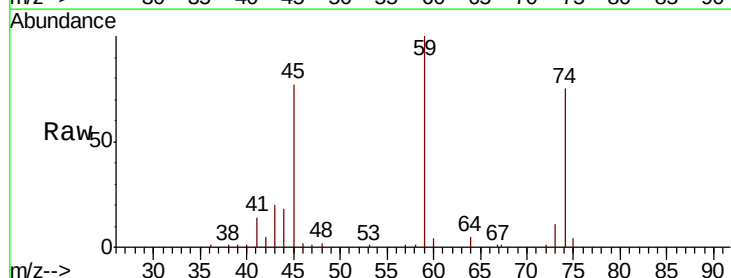
MMDadoda
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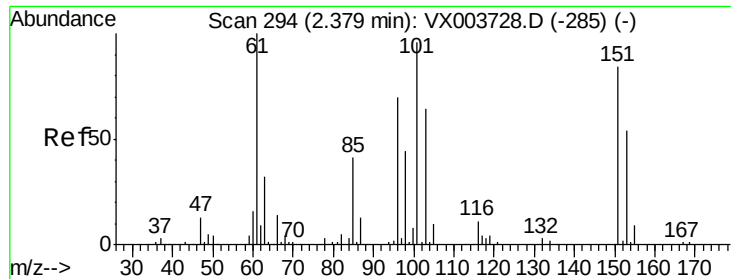


#8

Diethyl Ether
Concen: 20.17 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003727.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	49.5	148.7





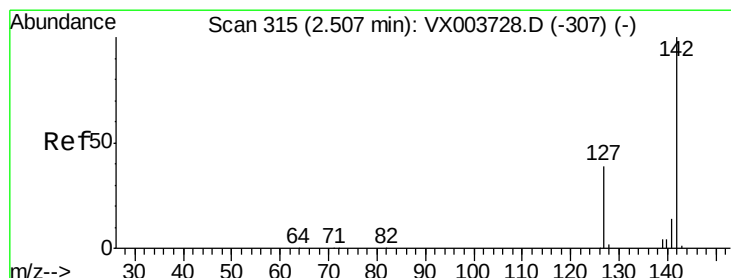
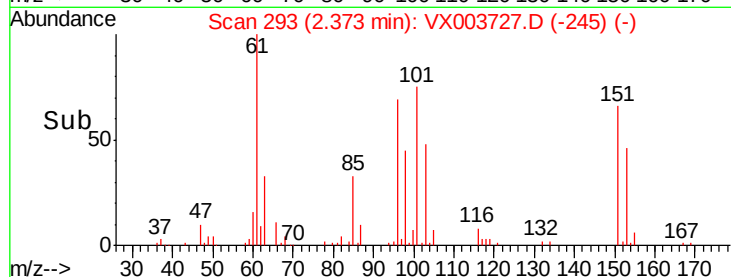
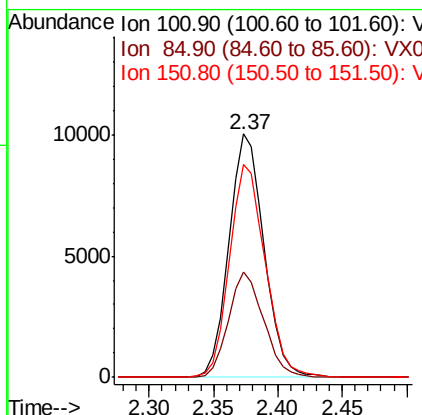
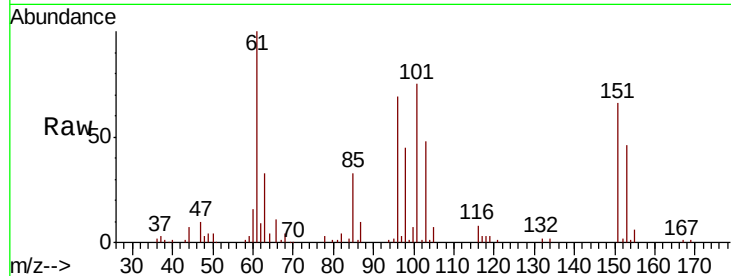
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.68 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	43.1	33.3	49.9
151	89.1	68.8	103.2

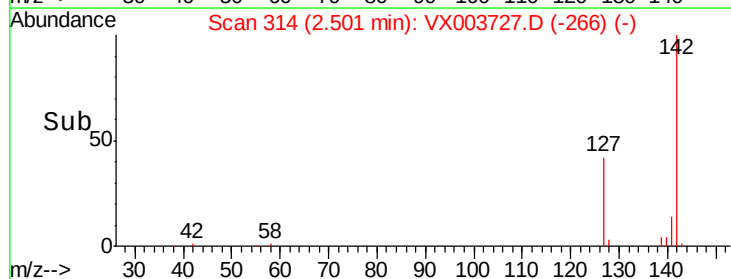
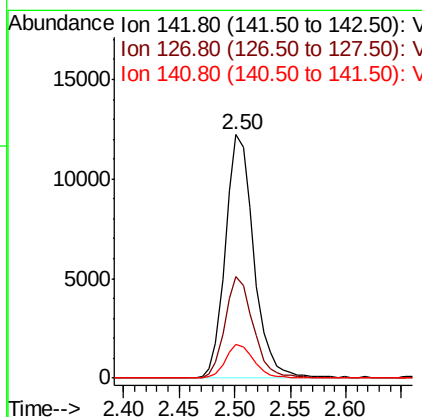
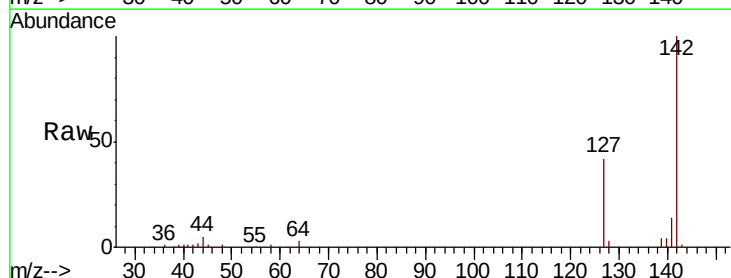
Manual Integrations
 APPROVED

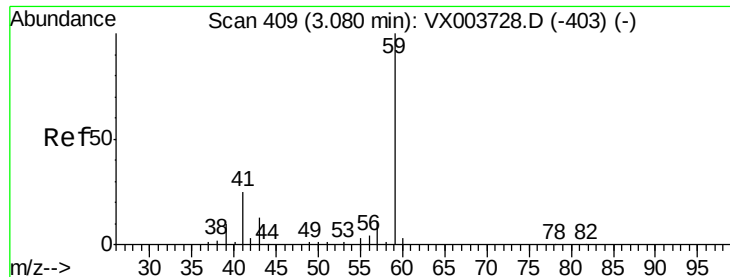
MMDadoda
 8/1/2018 10:40:04 AM



#10
 Methyl Iodide
 Concen: 19.48 ug/l
 RT: 2.50 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
127	41.1	32.0	48.0
141	13.8	11.3	16.9





#11

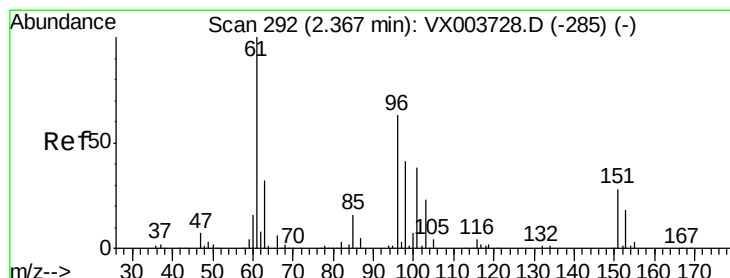
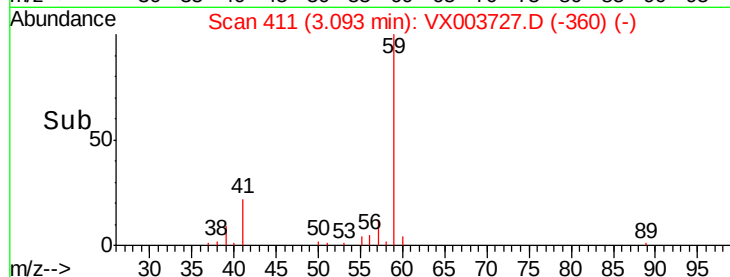
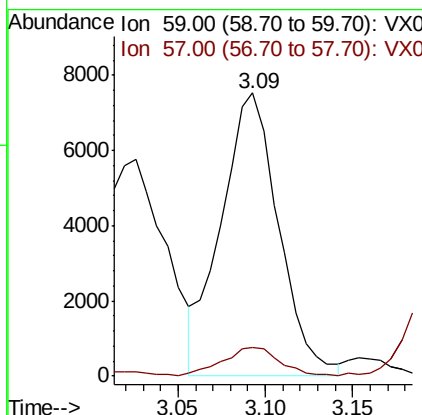
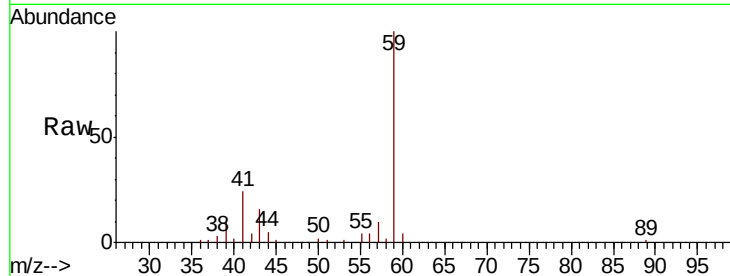
Tert butyl alcohol
 Concen: 103.34 ug/l
 RT: 3.09 min Scan# 411
 Delta R.T. 0.01 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

Manual Integrations
 APPROVED

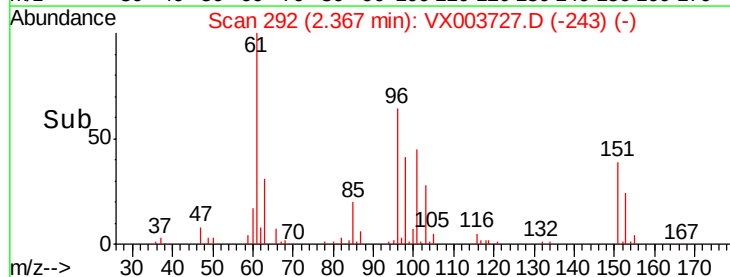
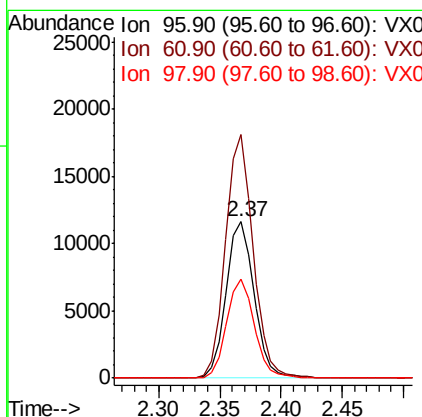
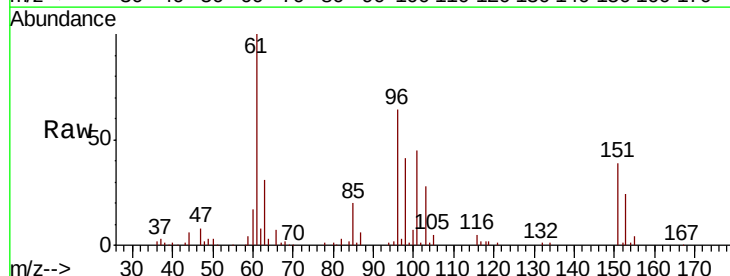
MMDadoda
 8/1/2018 10:40:04 AM

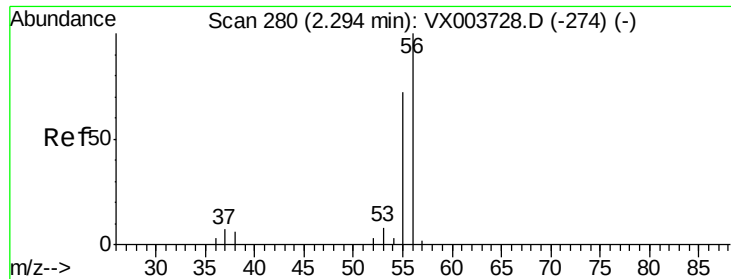


#12

1,1-Dichloroethene
 Concen: 18.80 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.6	127.1	190.7
98	63.3	52.0	78.0





#13

Acrolein

Concen: 135.66 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 7398

Ion Ratio Lower Upper

56 100

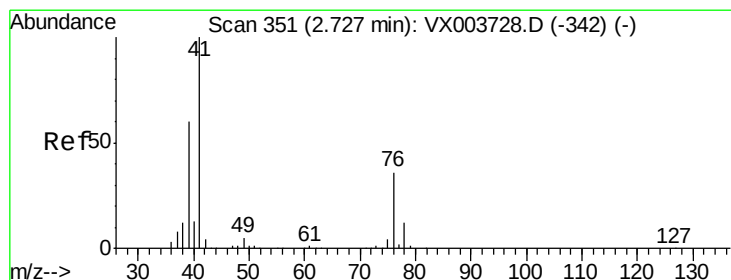
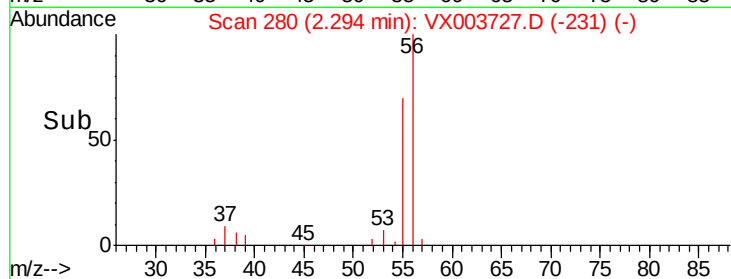
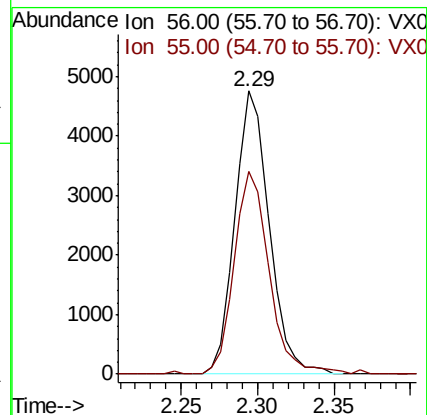
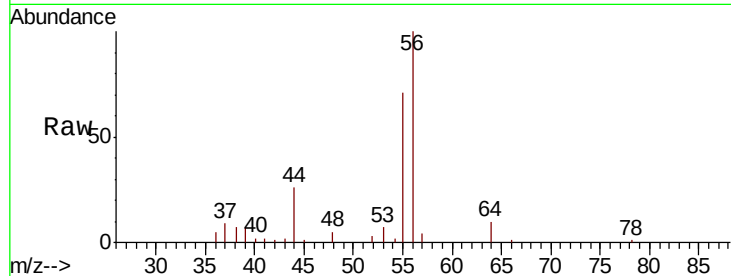
55 73.0 61.4 92.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 20.06 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

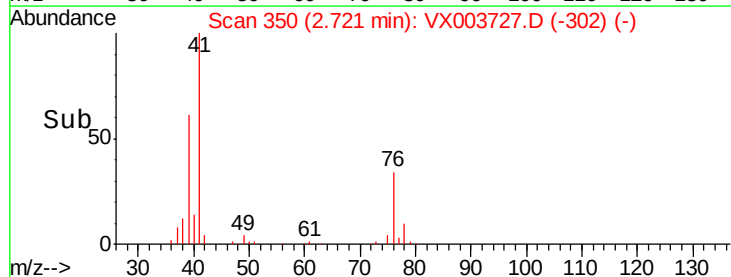
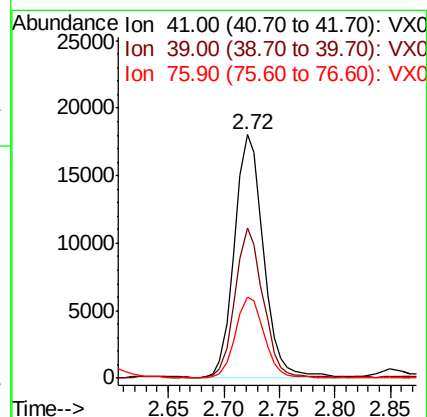
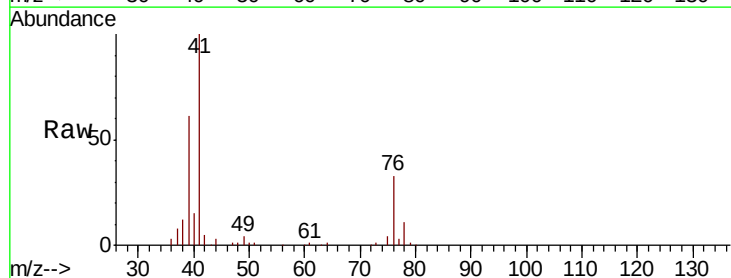
Tgt Ion: 41 Resp: 32352

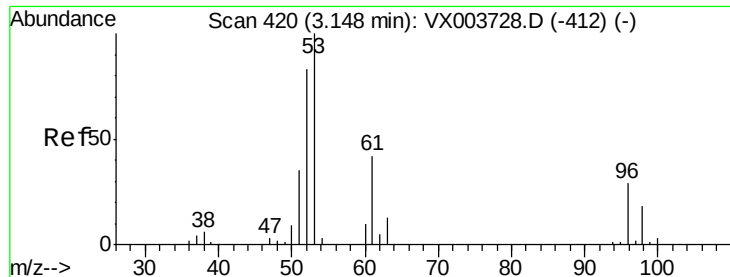
Ion Ratio Lower Upper

41 100

39 60.6 47.7 71.5

76 33.3 27.0 40.6





#15

Acrylonitrile

Concen: 102.09 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

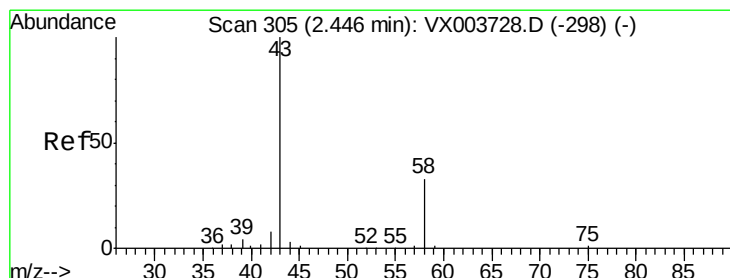
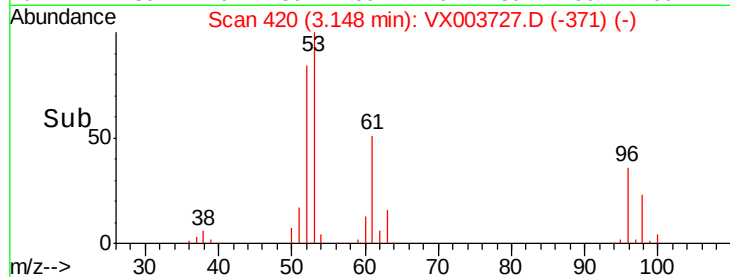
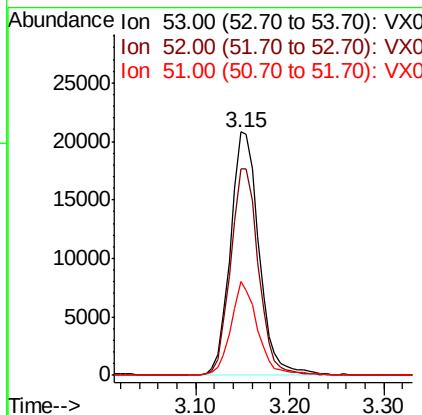
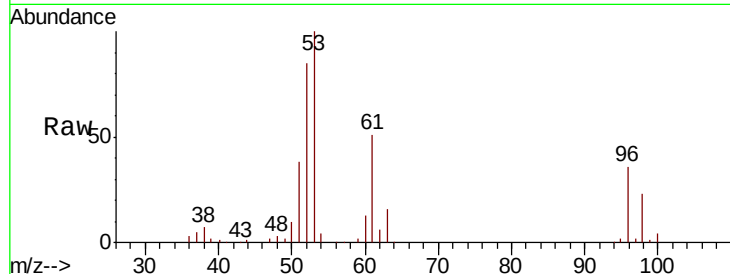
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	43277
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.2	99.2
51	36.7	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 96.93 ug/l

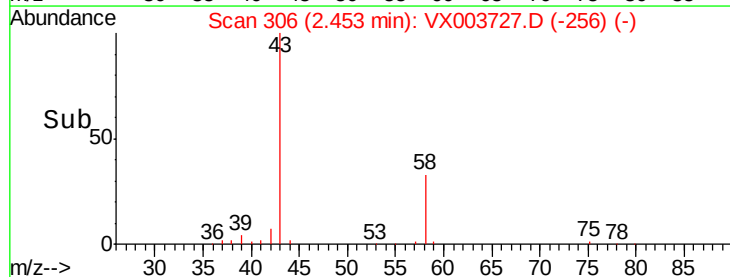
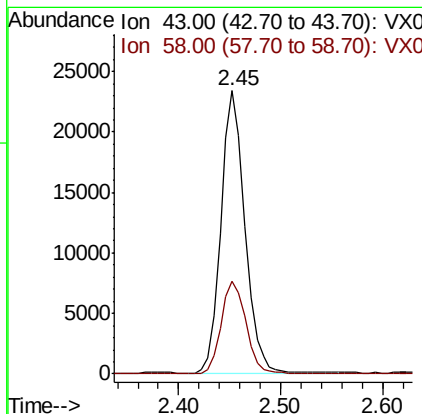
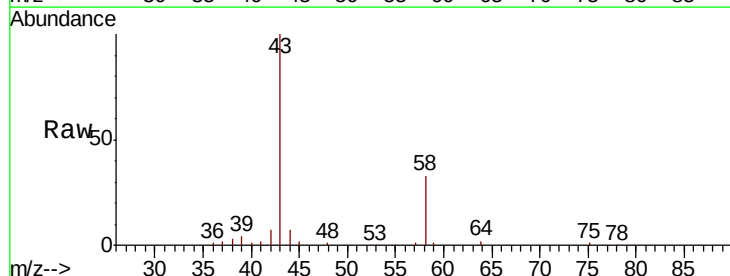
RT: 2.45 min Scan# 306

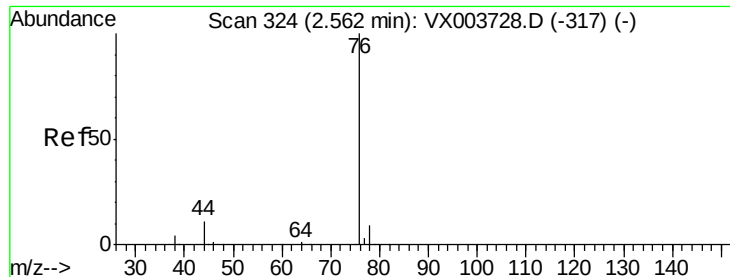
Delta R.T. 0.01 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Tgt Ion:	43	Resp:	38113
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.7	40.1





#17

Carbon Disulfide

Concen: 18.79 ug/l

RT: 2.56 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 55626

Ion Ratio Lower Upper

76 100

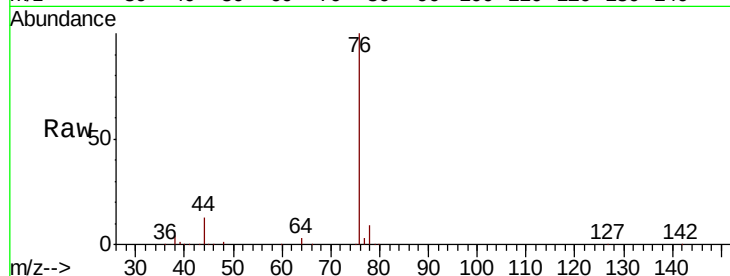
78 9.2 7.3 10.9

Manual Integrations

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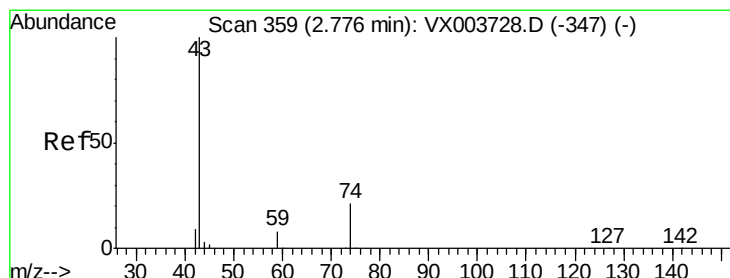
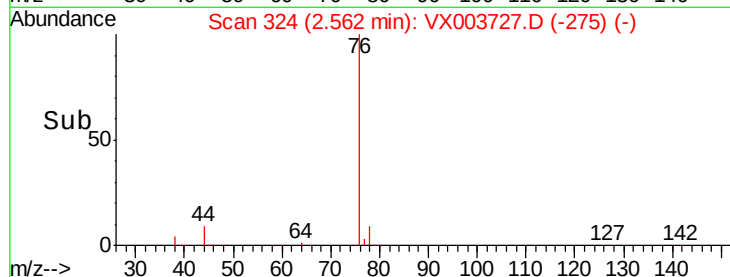
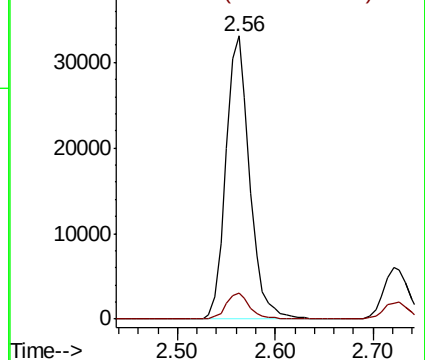
MMDadoda

8/1/2018 10:40:04 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.85 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.01 min

Lab File: VX003727.D

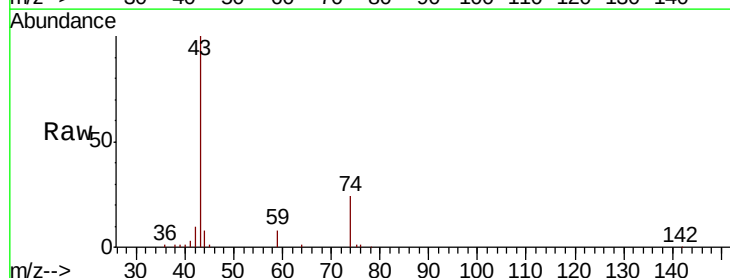
Acq: 30 Jul 2018 16:50

Tgt Ion: 43 Resp: 21935

Ion Ratio Lower Upper

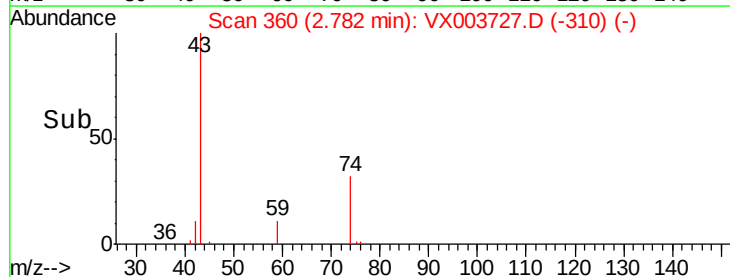
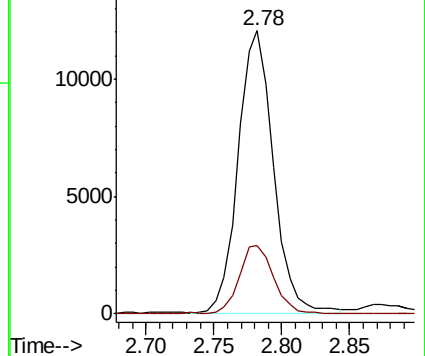
43 100

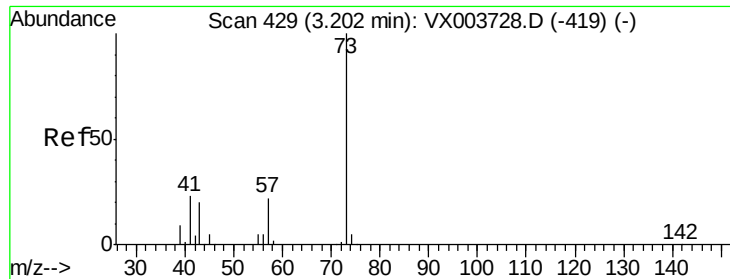
74 23.6 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

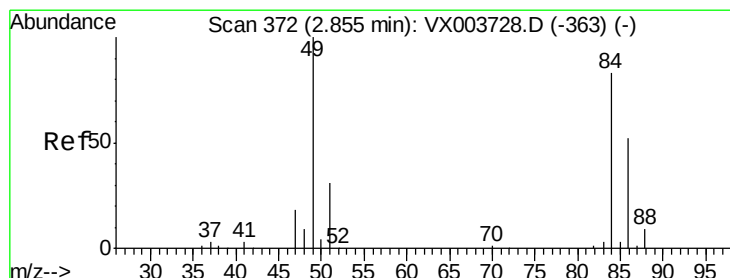
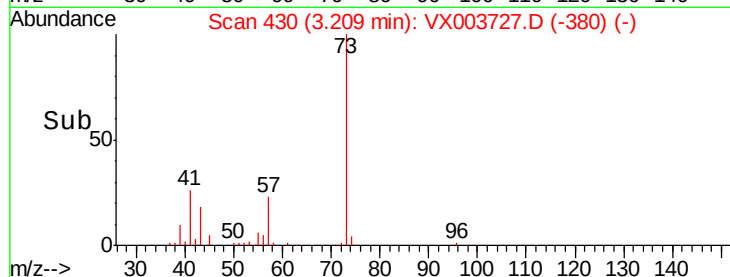
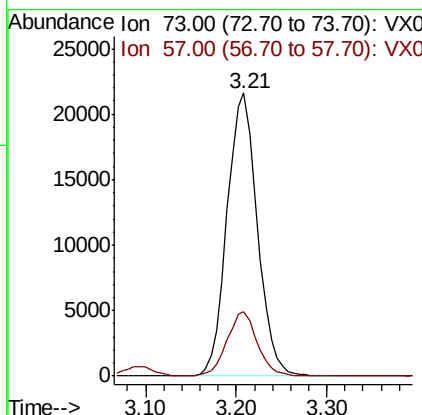
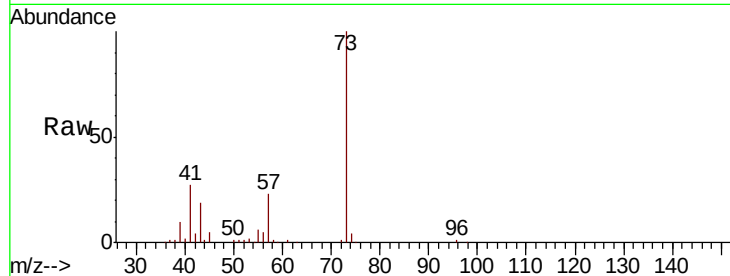
Methyl tert-butyl Ether
 Concen: 20.27 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.01 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.0	27.0

Manual Integrations
 APPROVED

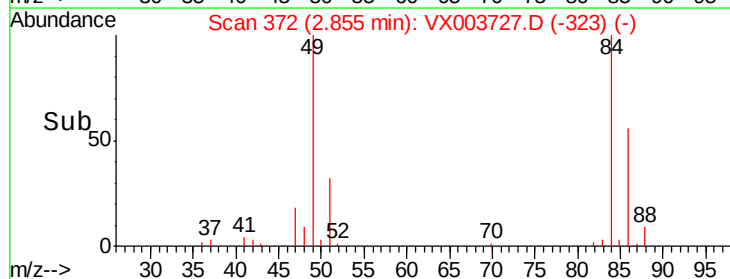
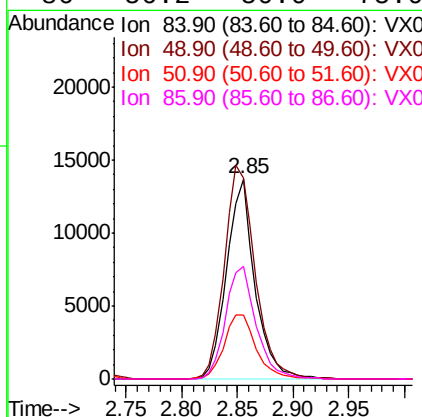
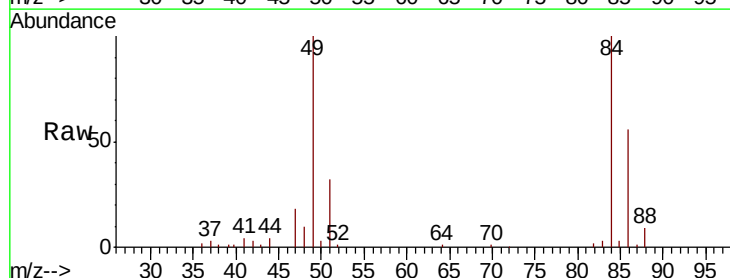
MMDadoda
 8/1/2018 10:40:04 AM

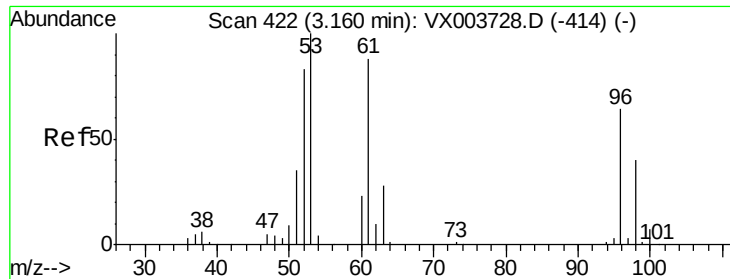


#20

Methylene Chloride
 Concen: 19.96 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	100.3	95.8	143.8
51	32.0	29.6	44.4
86	56.2	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 19.92 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

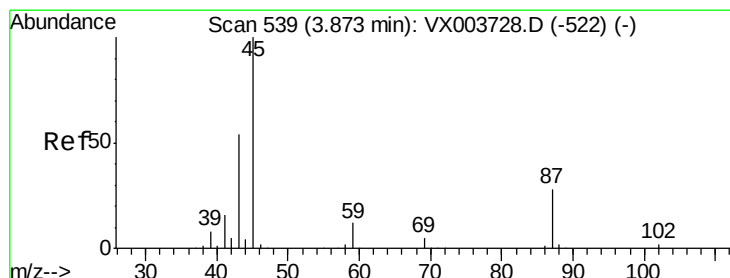
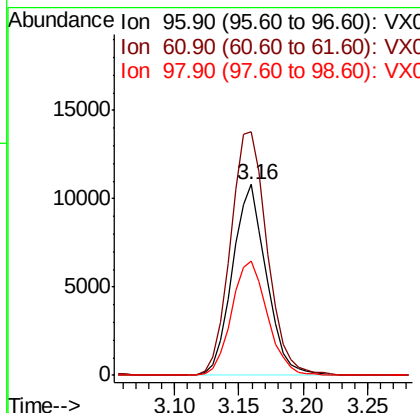
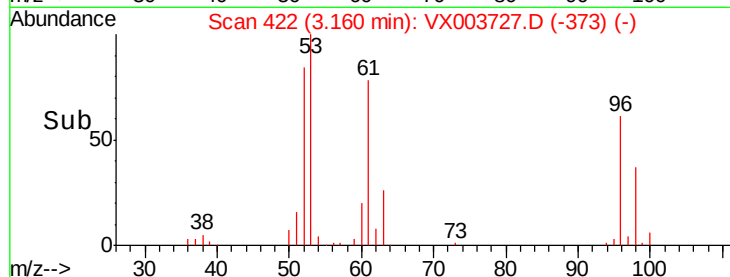
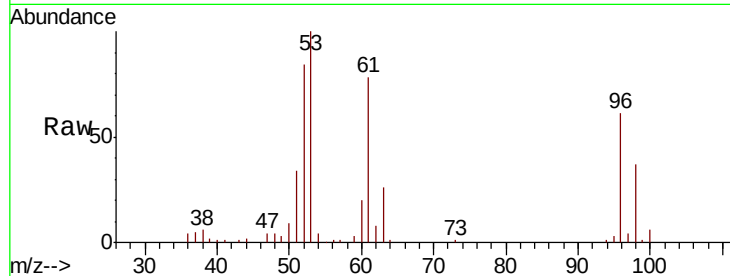
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	19861
Ion	Ratio	Lower	Upper
96	100		
61	127.7	110.9	166.3
98	60.1	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.38 ug/l

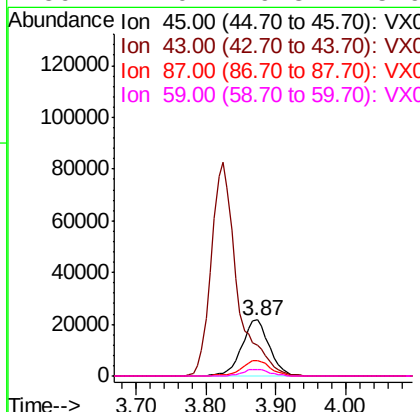
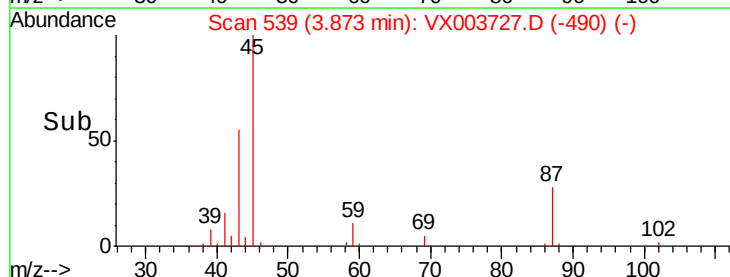
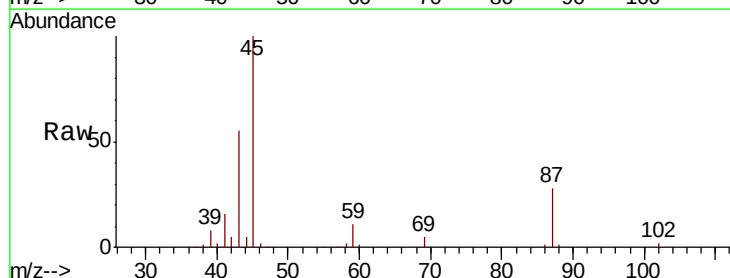
RT: 3.87 min Scan# 539

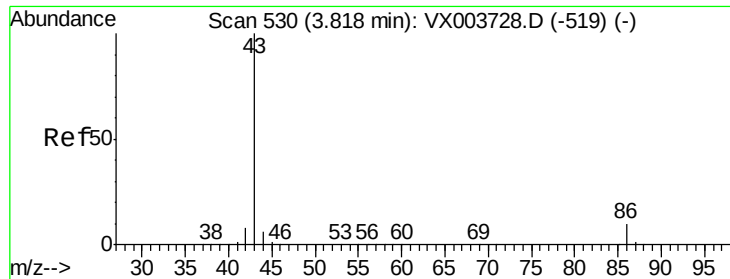
Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Tgt Ion:	45	Resp:	59323
Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.5	65.3
87	27.7	22.6	33.8
59	11.0	9.3	13.9





#23

Vinyl Acetate

Concen: 101.43 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 212965

Ion Ratio Lower Upper

43 100

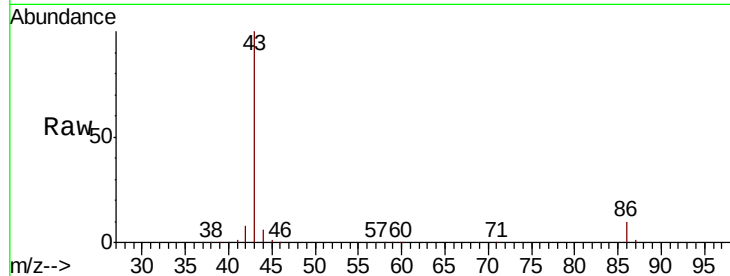
86 10.4 8.2 12.2

Manual Integrations

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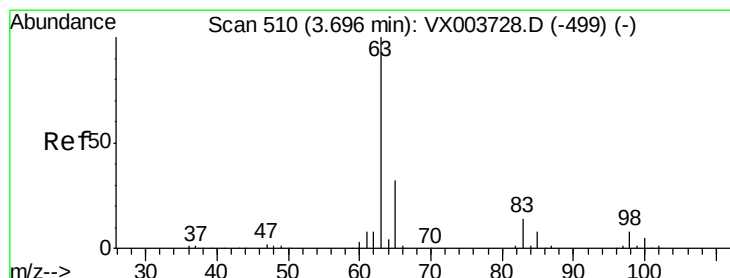
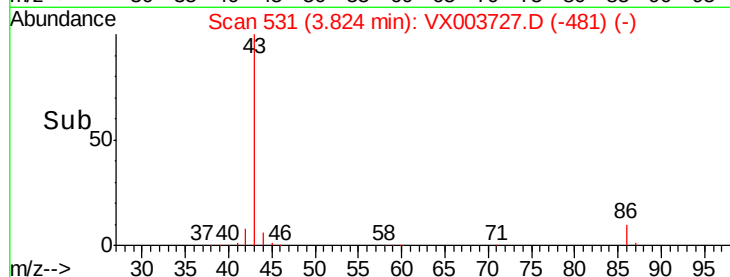
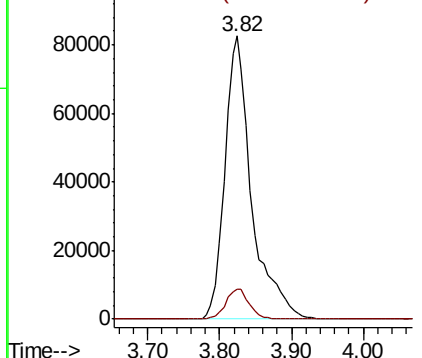
MMDadoda

8/1/2018 10:40:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.29 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

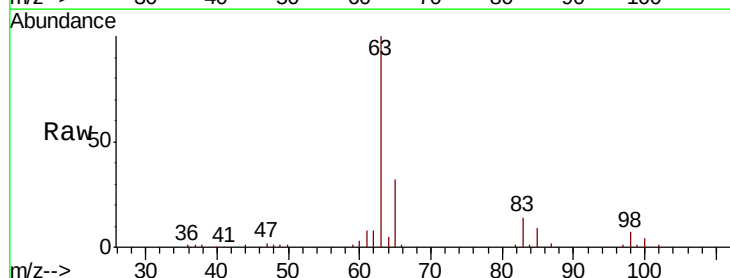
Tgt Ion: 63 Resp: 34450

Ion Ratio Lower Upper

63 100

98 6.7 4.0 12.0

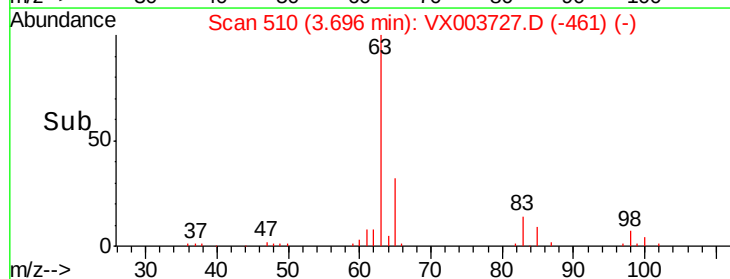
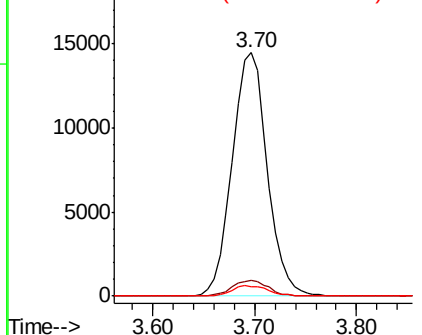
100 4.0 2.4 7.2

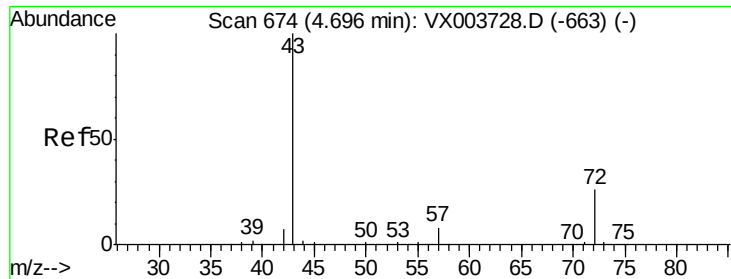


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 101.92 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 58422

Ion Ratio Lower Upper

43 100

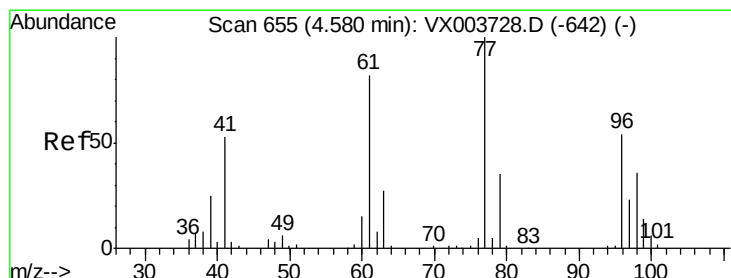
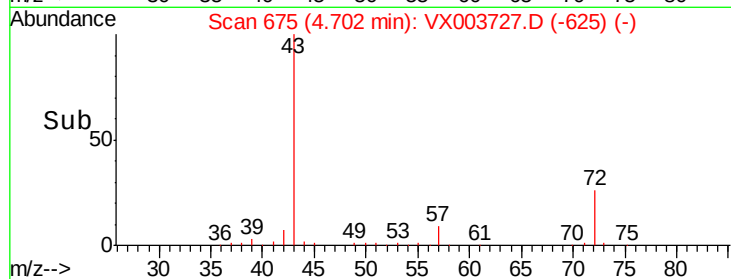
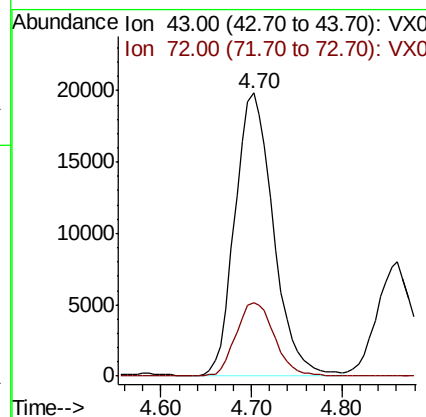
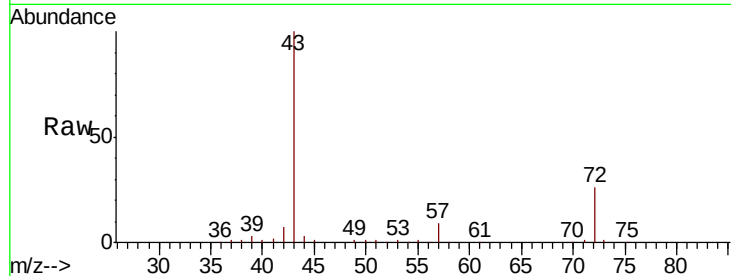
72 25.9 20.9 31.3

Manual Integrations

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MMDadoda

8/1/2018 10:40:04 AM



#26

2,2-Dichloropropane

Concen: 20.32 ug/l

RT: 4.57 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX003727.D

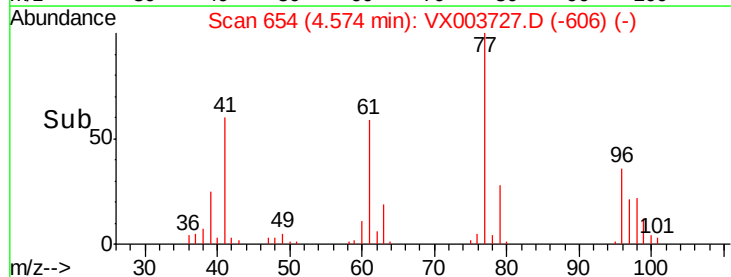
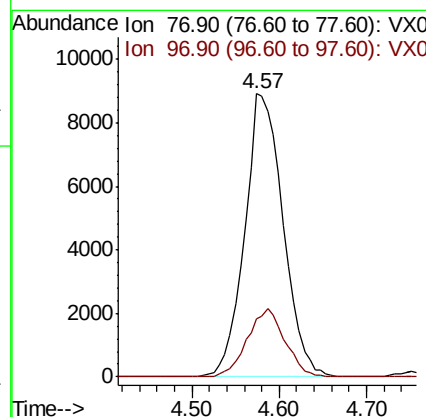
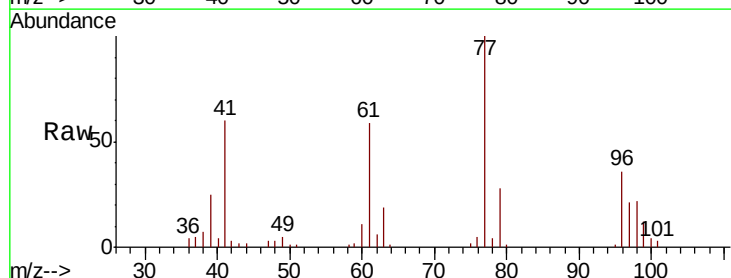
Acq: 30 Jul 2018 16:50

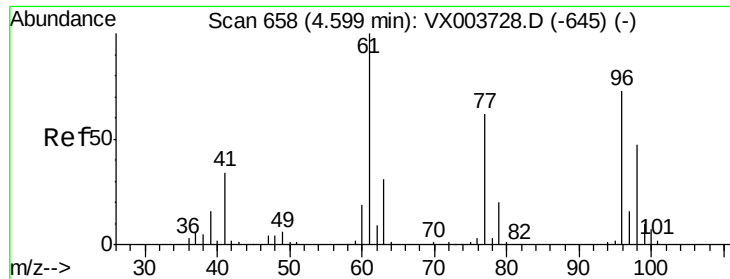
Tgt Ion: 77 Resp: 27170

Ion Ratio Lower Upper

77 100

97 23.6 12.2 36.6





#27

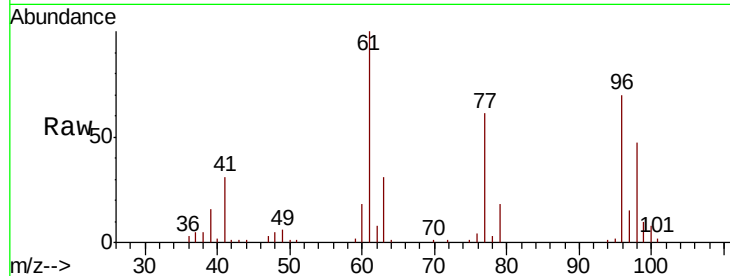
cis-1,2-Dichloroethene
Concen: 19.74 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

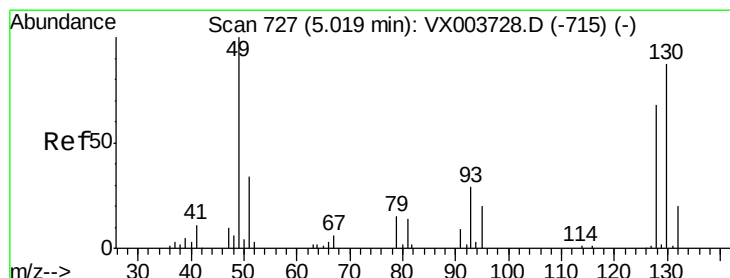
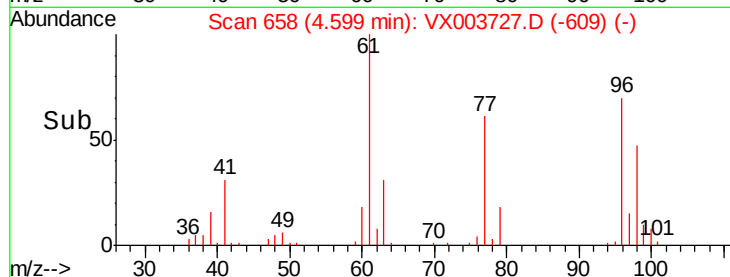
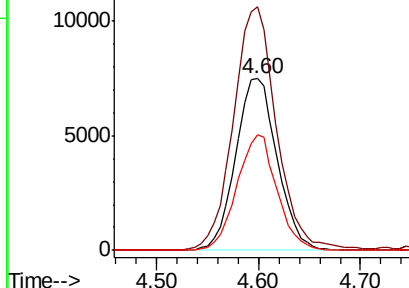
Tot Ion	Ratio	Resp	Lower	Upper
96	100	21210		
61	147.7	0.0	285.6	
98	64.4	0.0	131.0	

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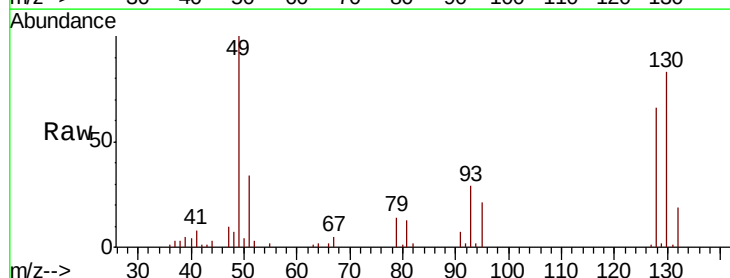
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



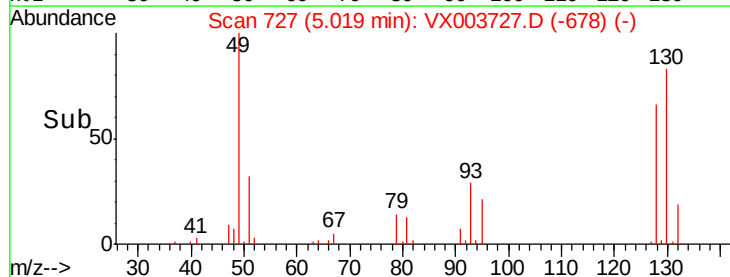
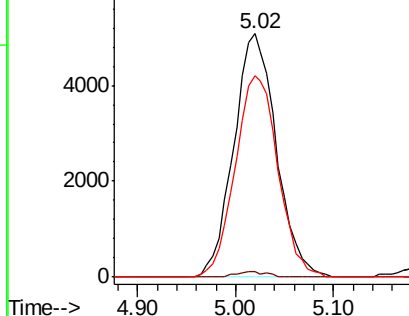
#28

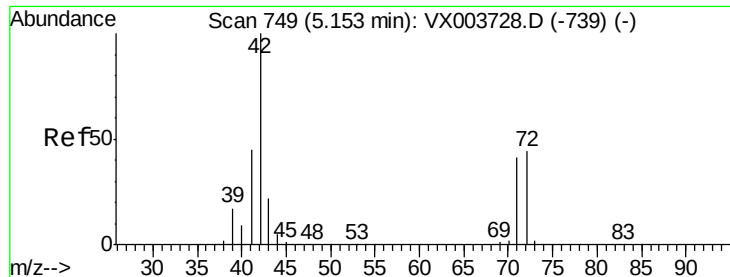
Bromochloromethane
Concen: 20.09 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	15302		
129	1.7	0.0	4.0	
130	83.4	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





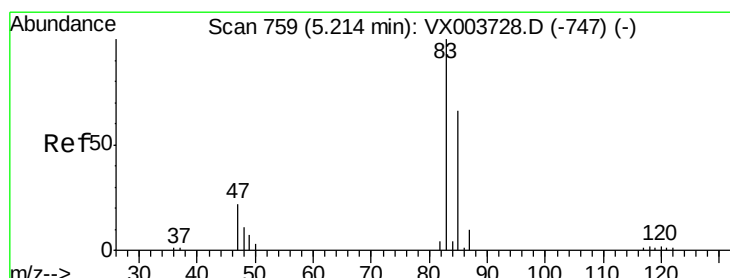
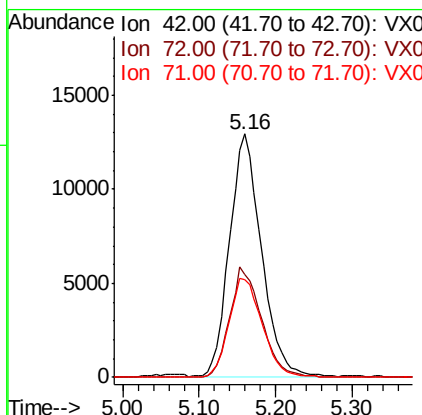
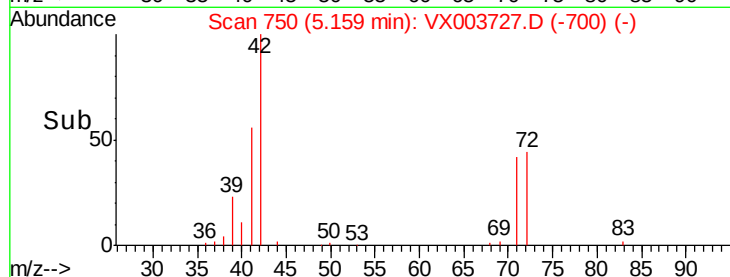
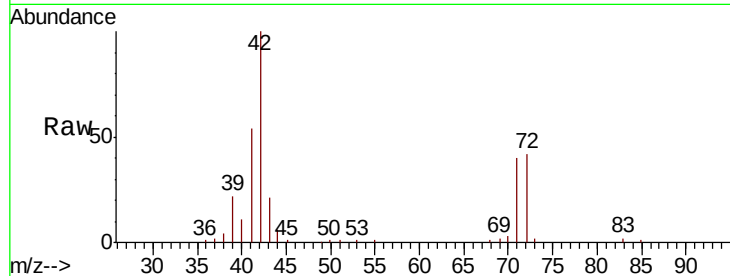
#29
Tetrahydrofuran
Concen: 103.14 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.6	53.4
71	41.9	33.4	50.0

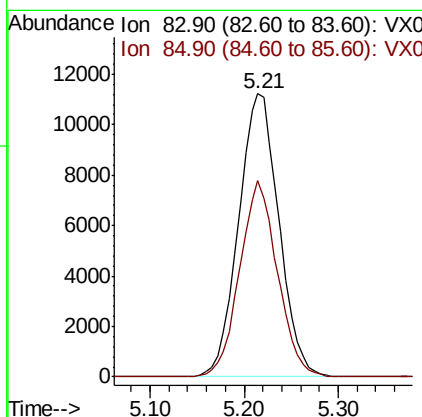
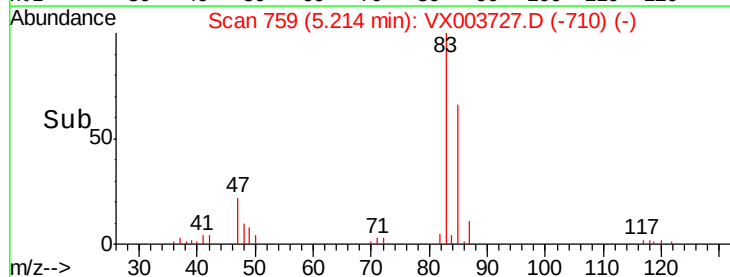
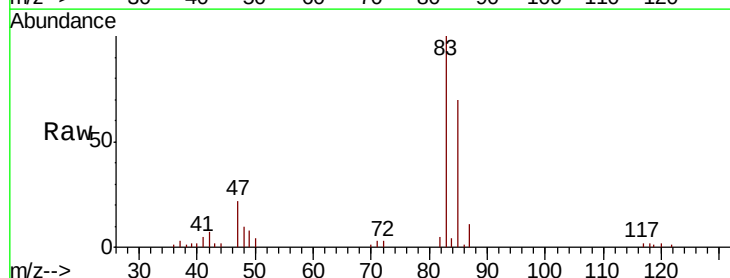
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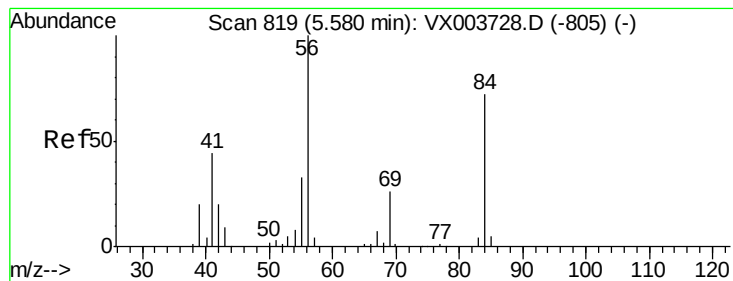
MMDadoda
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#30
Chloroform
Concen: 20.09 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.5	52.8	79.2





#31

Cyclohexane

Concen: 19.54 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

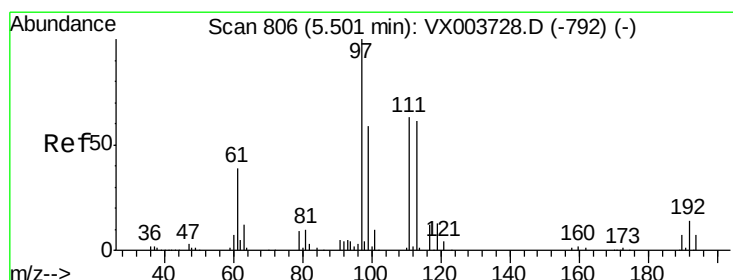
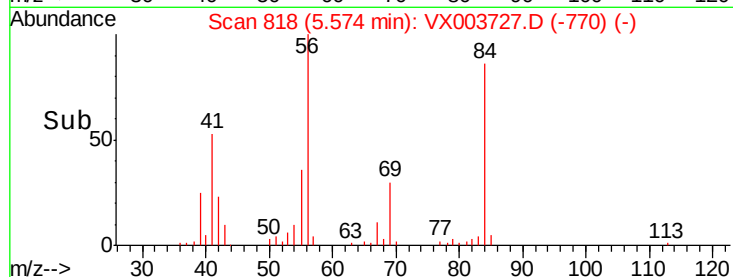
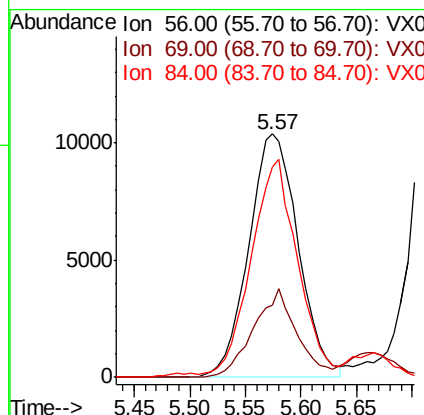
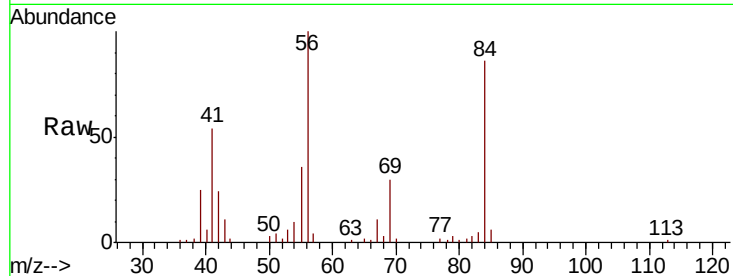
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	32039
Ion	Ratio	Lower	Upper
56	100		
69	29.7	20.6	30.8
84	84.5	57.9	86.9

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#32

1,1,1-Trichloroethane

Concen: 20.46 ug/l

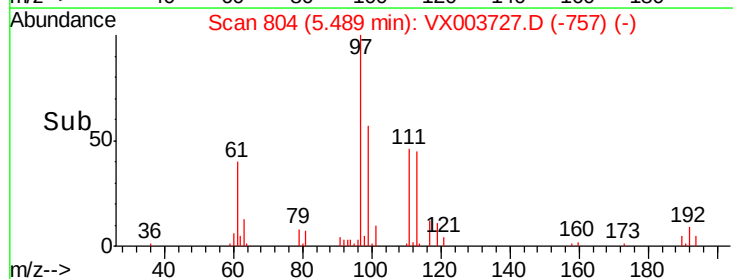
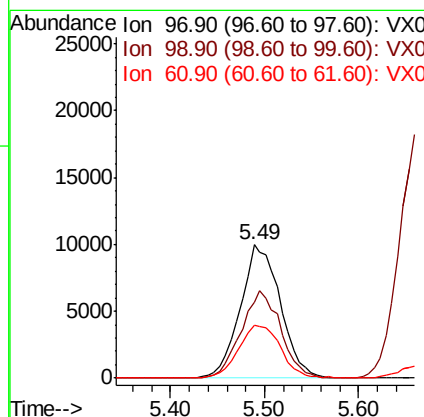
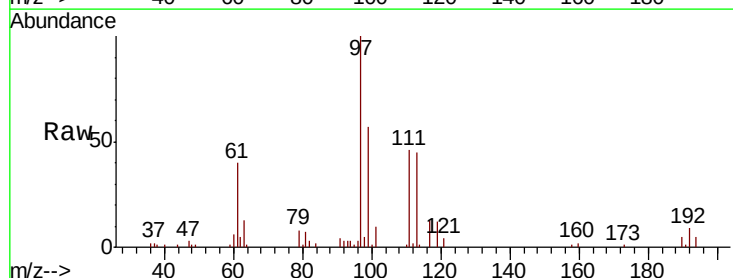
RT: 5.49 min Scan# 804

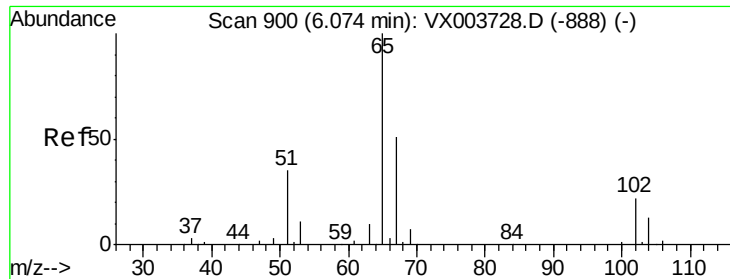
Delta R.T. -0.01 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Tgt Ion:	97	Resp:	29416
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	41.9	33.4	50.2





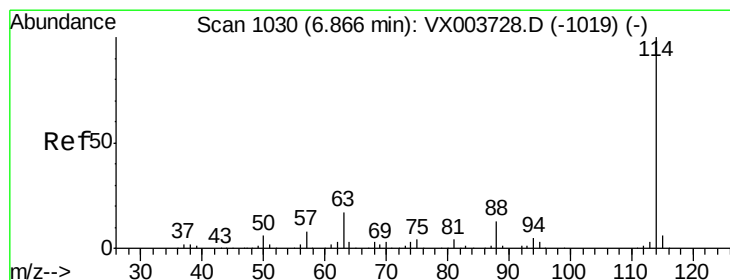
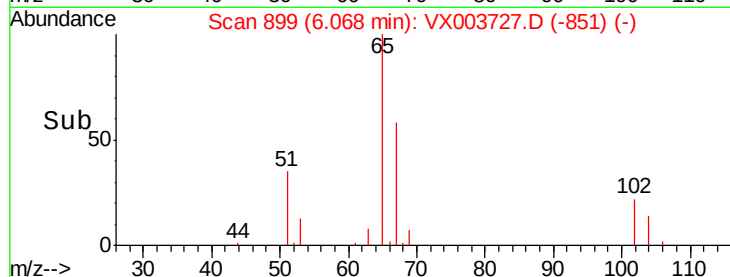
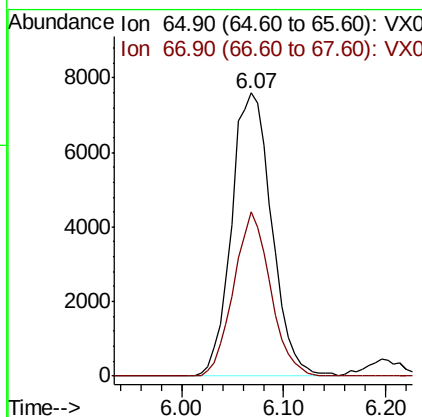
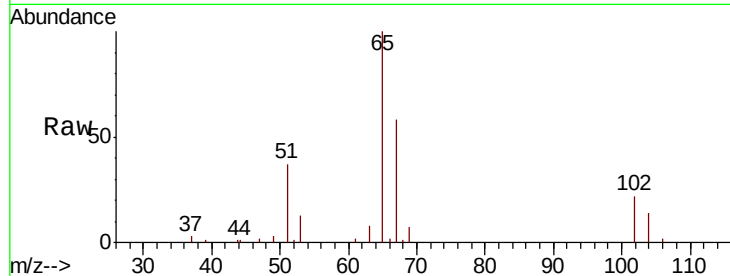
#33
 1,2-Dichloroethane-d4
 Concen: 20.07 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	107.0

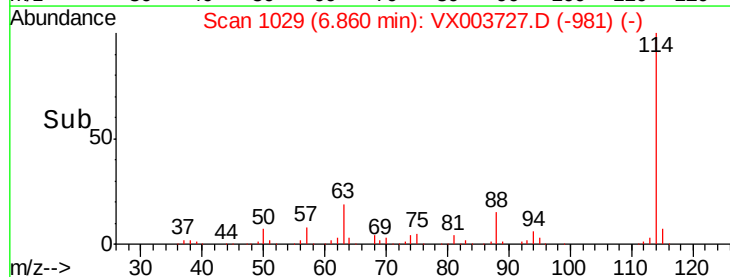
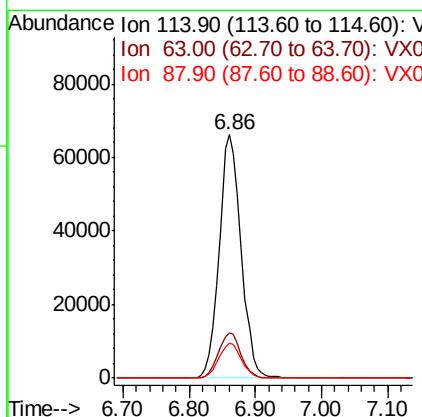
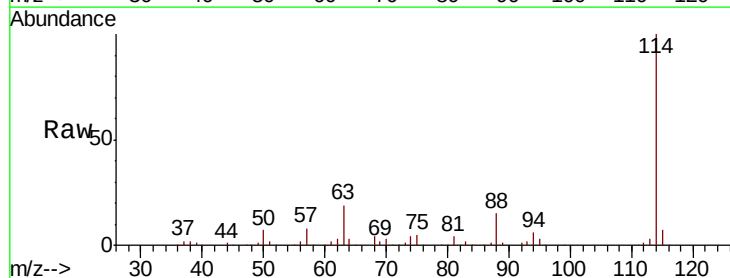
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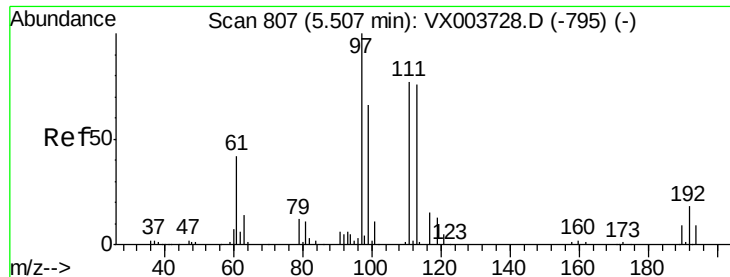
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	34.0
88	14.6	0.0	26.4





#35

Dibromofluoromethane

Concen: 19.25 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

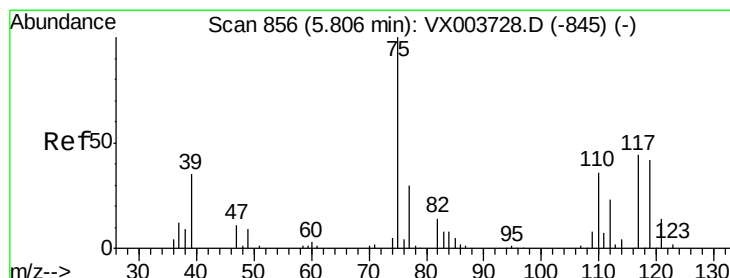
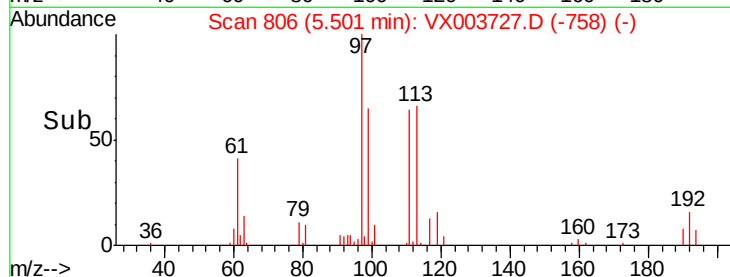
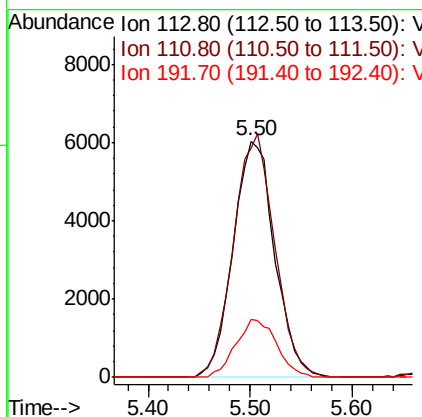
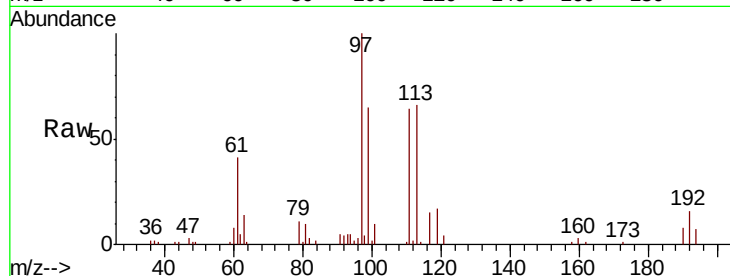
ClientSampled :

VSTDIC020

Tot Ion:	113	Resp:	17076
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	24.1	18.8	28.2

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#36

1,1-Dichloropropene

Concen: 19.86 ug/l

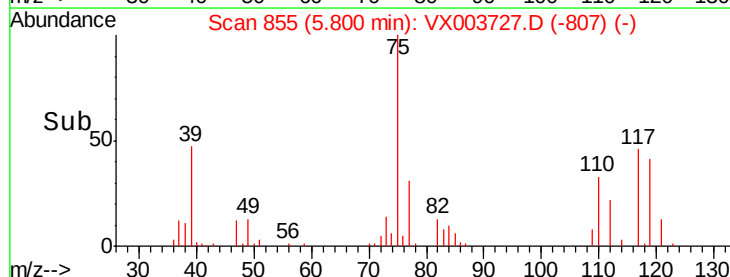
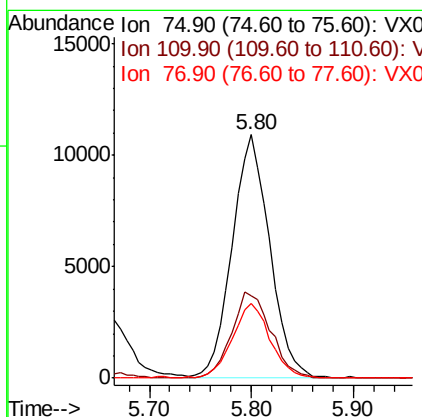
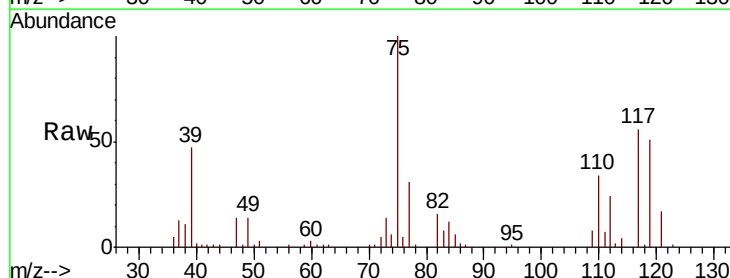
RT: 5.80 min Scan# 855

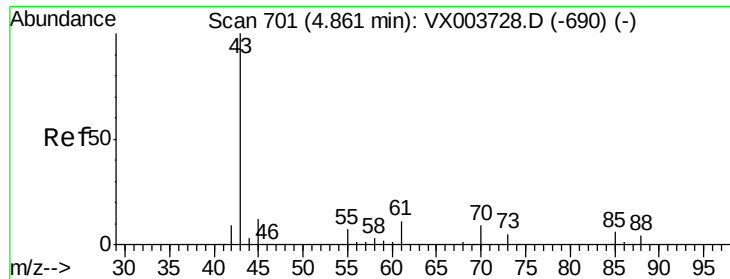
Delta R.T. -0.01 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Tgt Ion:	75	Resp:	28011
Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.3	54.8
77	30.8	25.1	37.7





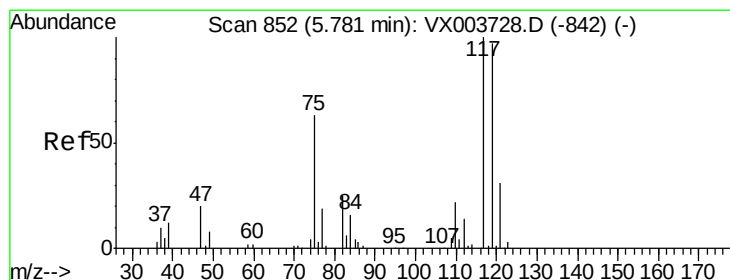
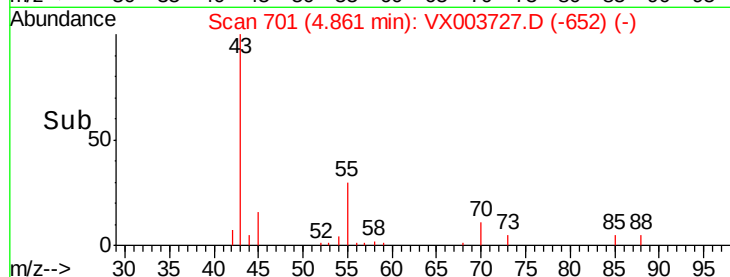
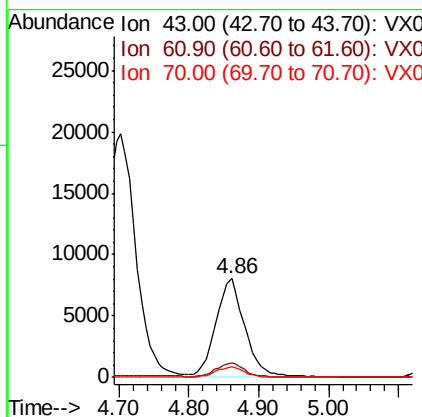
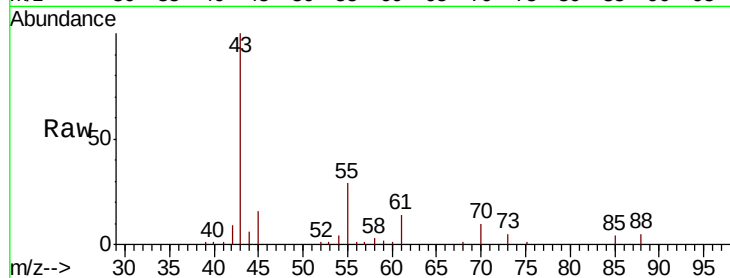
#37
Ethyl Acetate
Concen: 21.71 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.0
70	10.1	8.2	12.2

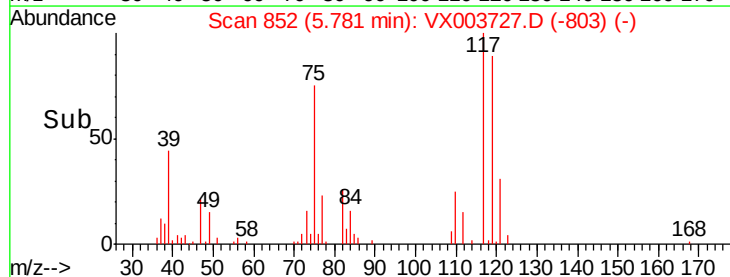
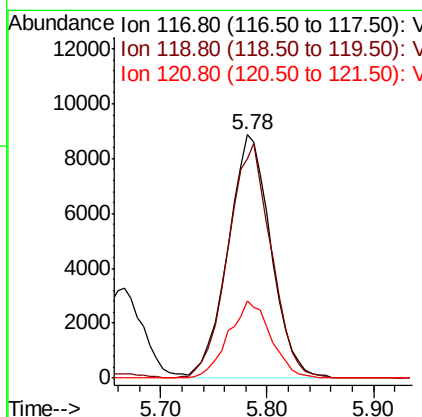
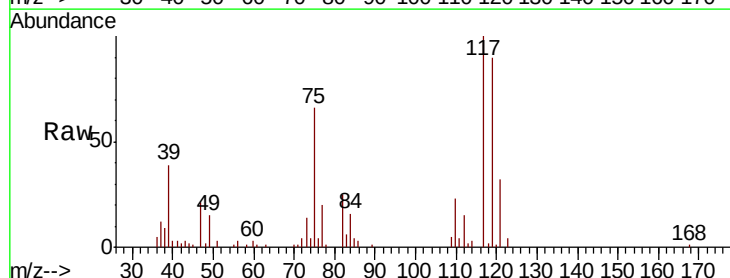
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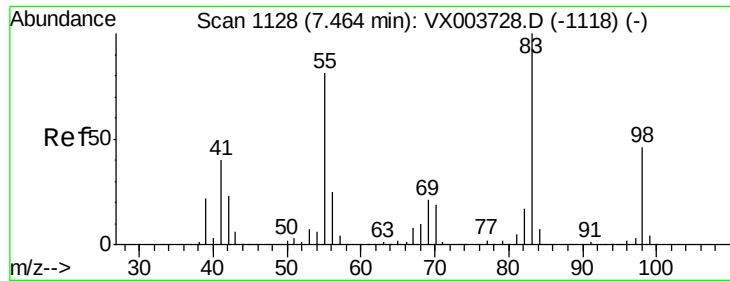
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#38
Carbon Tetrachloride
Concen: 19.21 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.2	77.2	115.8
121	31.8	25.0	37.4





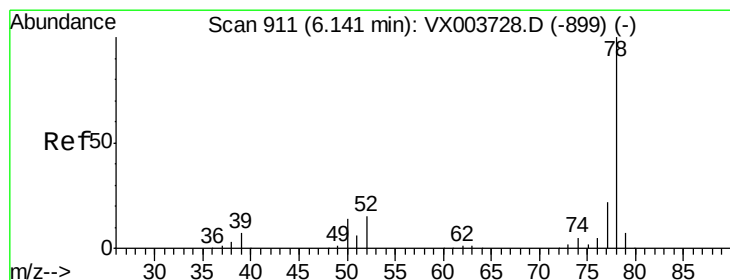
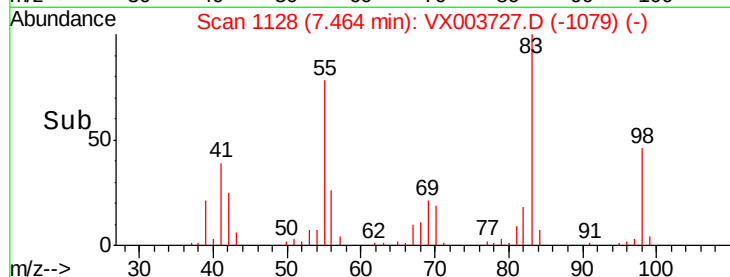
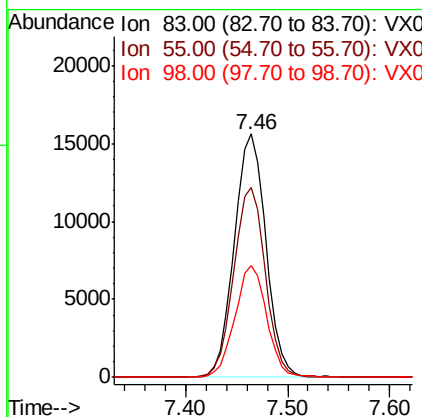
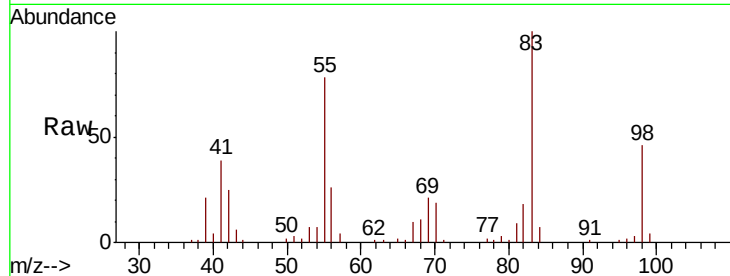
#39
Methylvlcyclohexane
Concen: 19.45 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	65.0	97.6
98	46.0	37.1	55.7

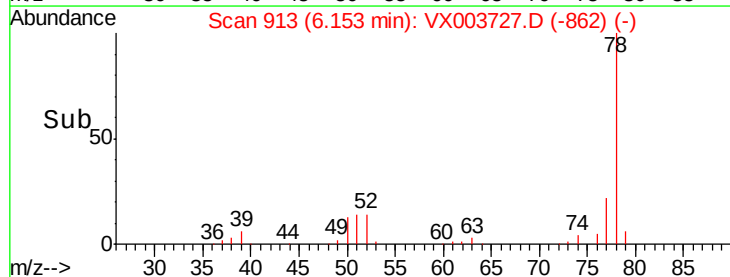
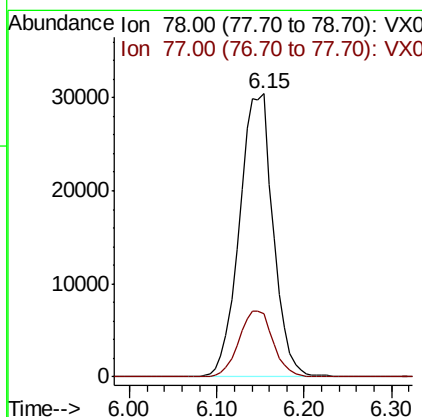
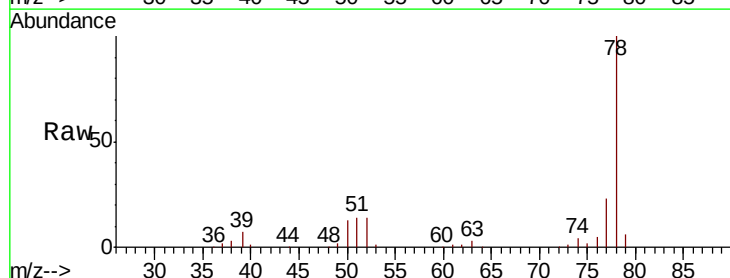
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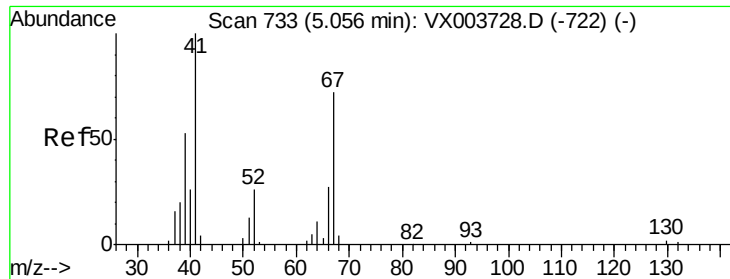
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#40
Benzene
Concen: 20.15 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	17.9	26.9





#41

Methacrylonitrile

Concen: 20.50 ug/l

RT: 5.06 min Scan# 734

Delta R.T. 0.01 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

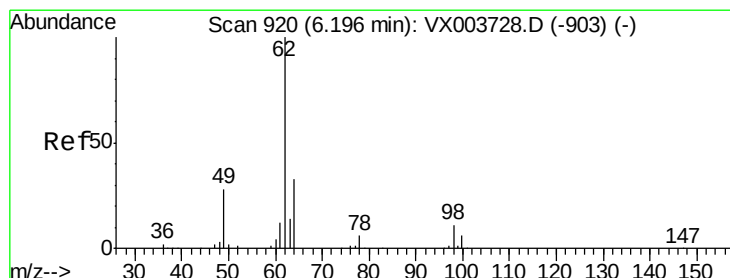
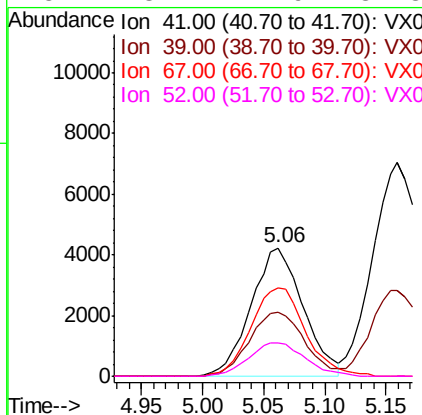
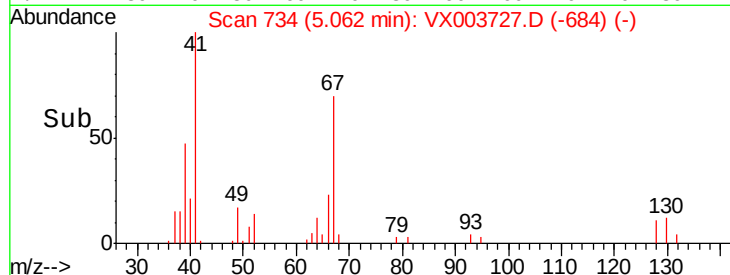
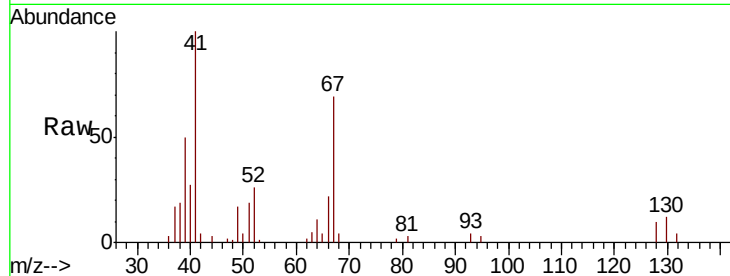
ClientSampled :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	42.6	64.0	
67	71.9	58.9	88.3	
52	28.7	22.9	34.3	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.42 ug/l

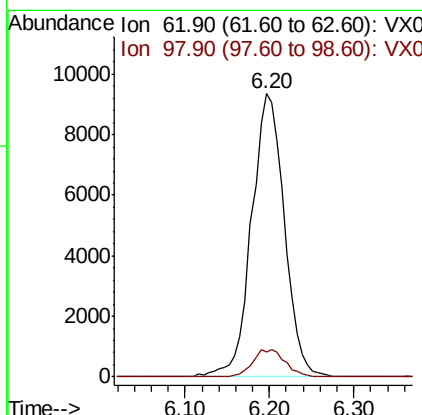
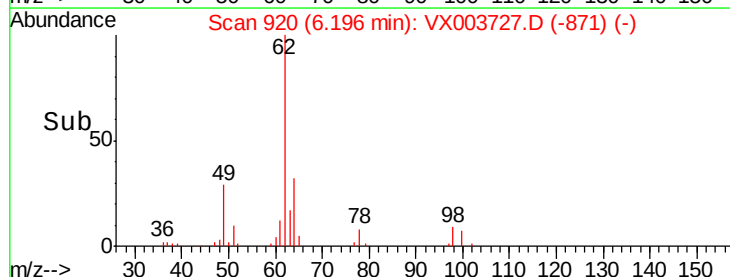
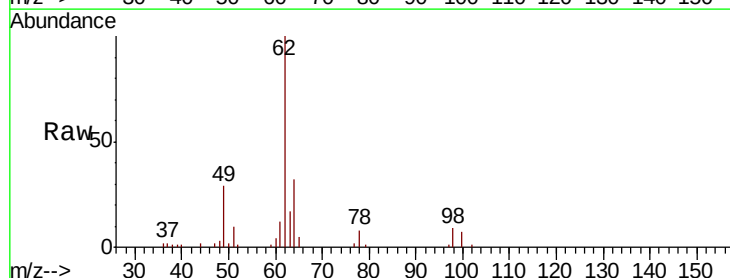
RT: 6.20 min Scan# 920

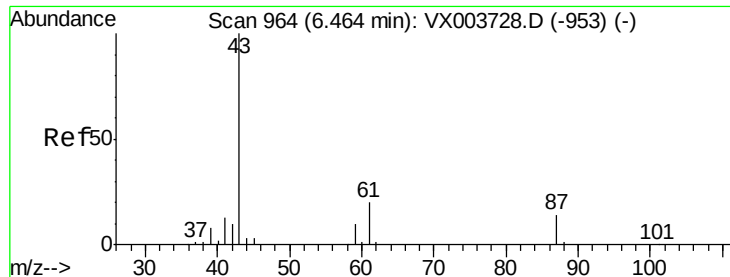
Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	20.4	





#43

Isopropyl Acetate

Concen: 20.00 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

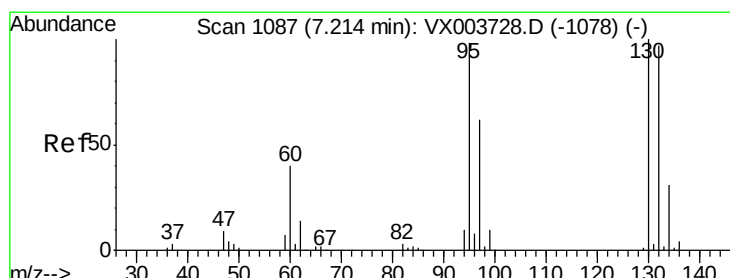
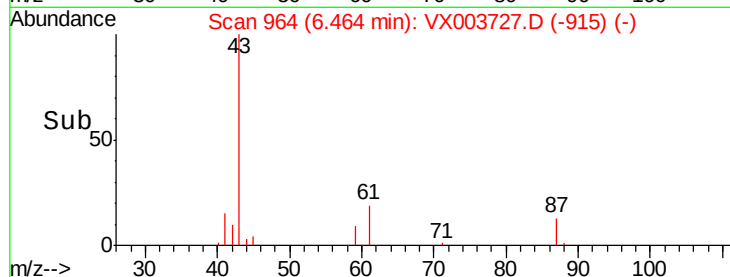
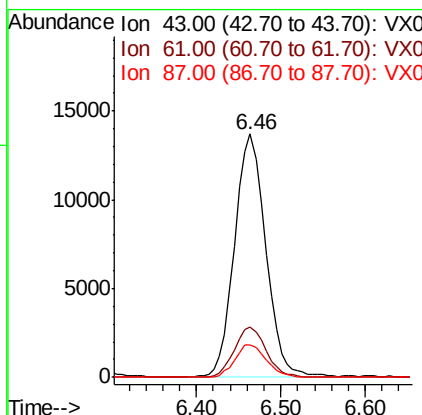
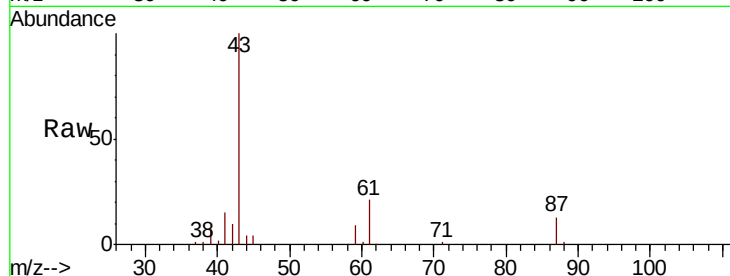
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	34521
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.5	24.7
87	13.3	10.7	16.1

Manual Integrations
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8/1/2018 10:40:04 AM



#44

Trichloroethene

Concen: 19.38 ug/l

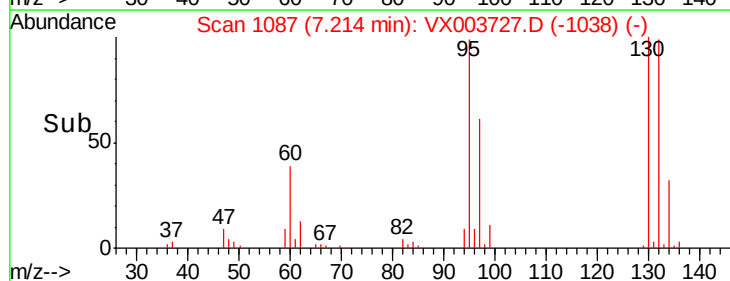
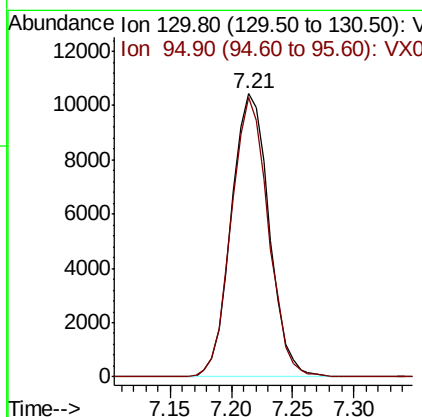
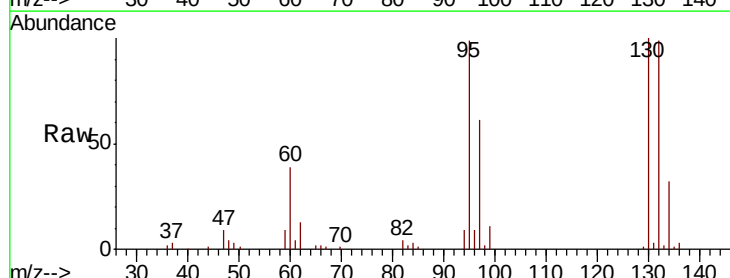
RT: 7.21 min Scan# 1087

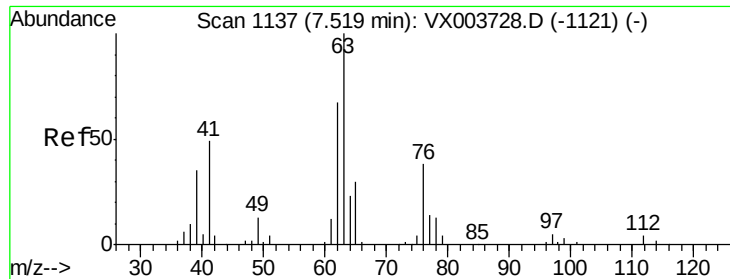
Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Tgt Ion:	130	Resp:	22344
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	196.2





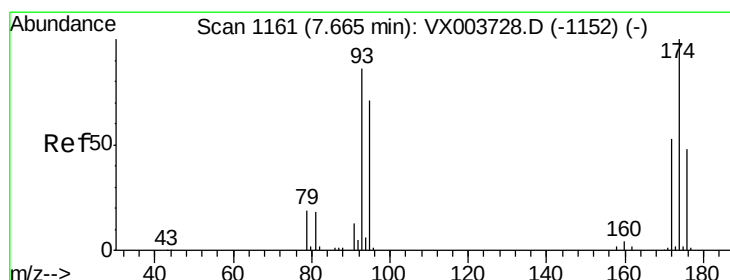
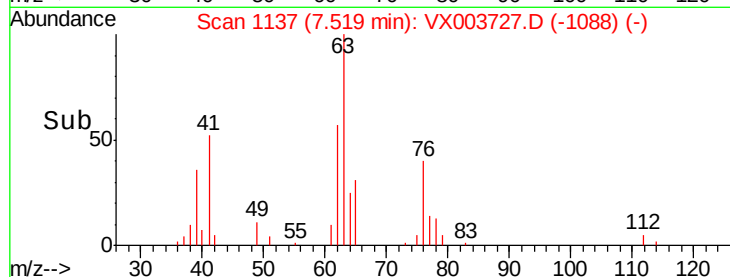
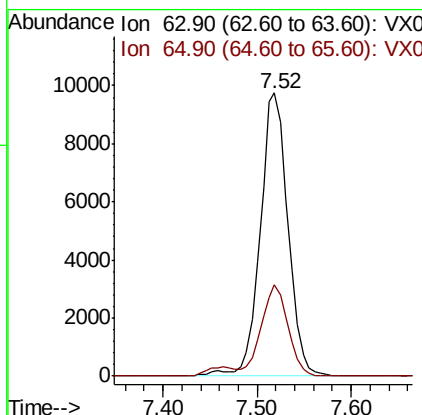
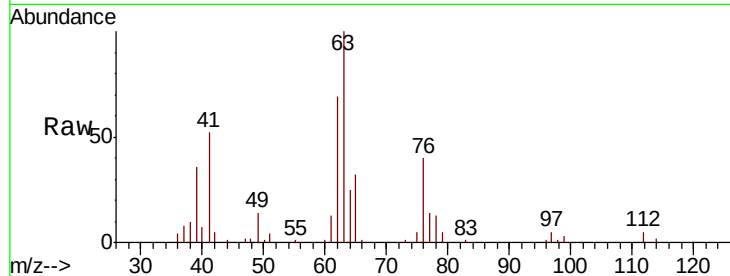
#45
 1,2-Dichloropropane
 Concen: 20.36 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion: 63 Resp: 20234
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.7 35.5

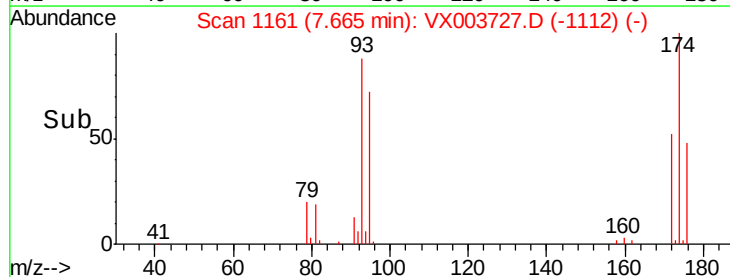
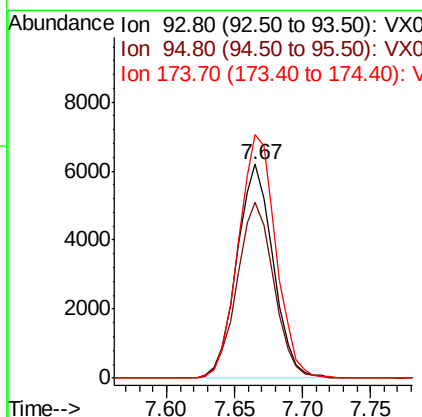
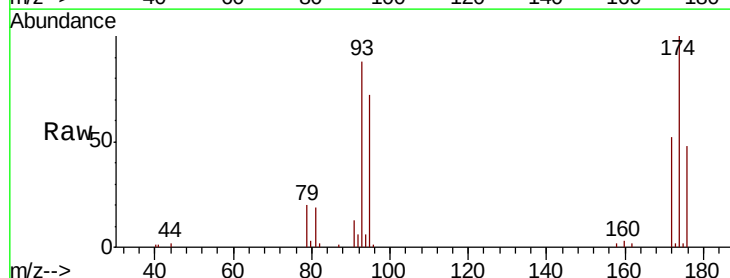
Manual Integrations
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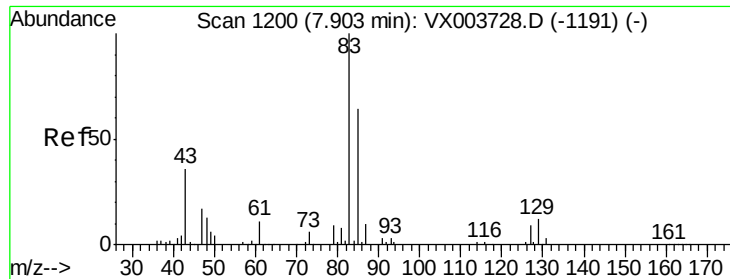
MMDadoda
 8/1/2018 10:40:04 AM



#46
 Dibromomethane
 Concen: 20.16 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion: 93 Resp: 11546
 Ion Ratio Lower Upper
 93 100
 95 83.2 68.1 102.1
 174 117.4 96.2 144.4





#47

Bromodichloromethane

Concen: 19.81 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

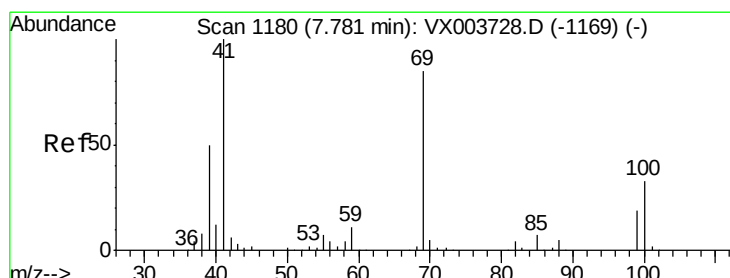
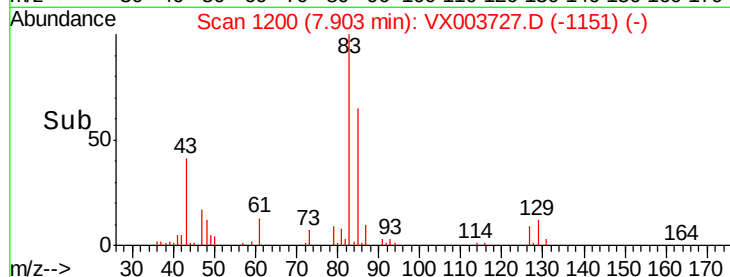
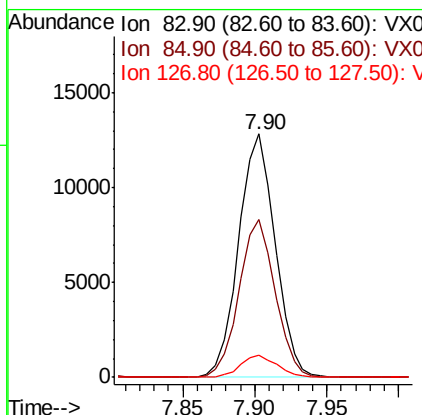
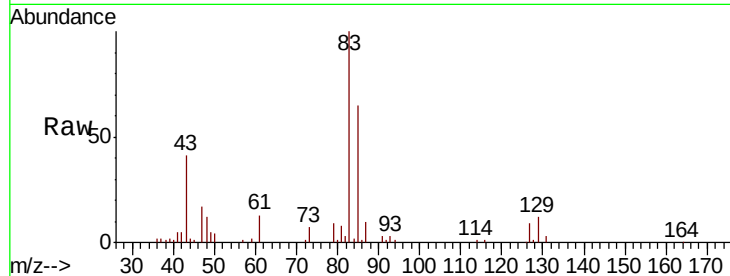
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	22613
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7
127	9.2	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
8/1/2018 10:40:04 AM



#48

Methyl methacrylate

Concen: 20.47 ug/l

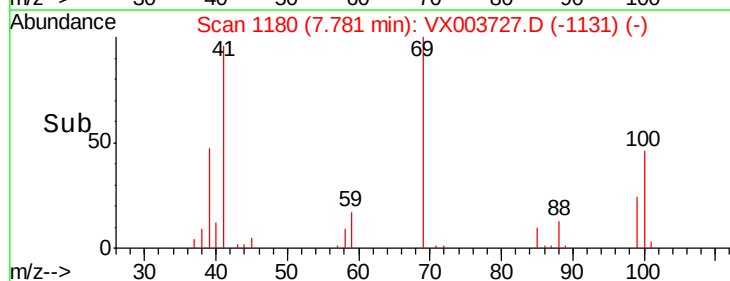
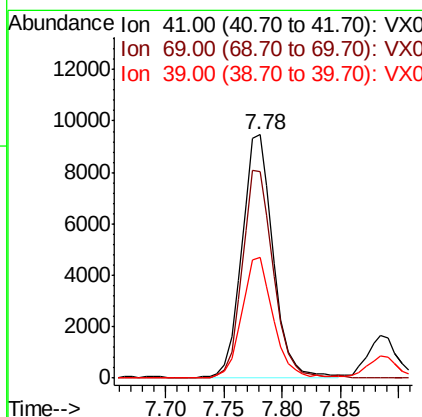
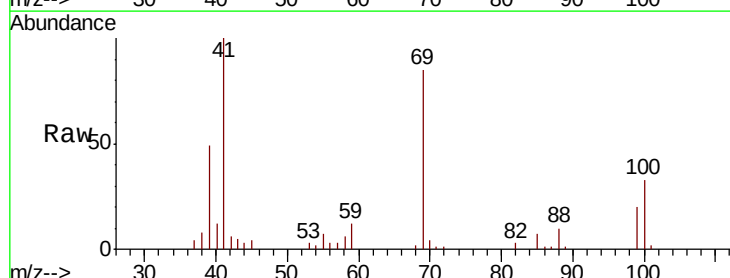
RT: 7.78 min Scan# 1180

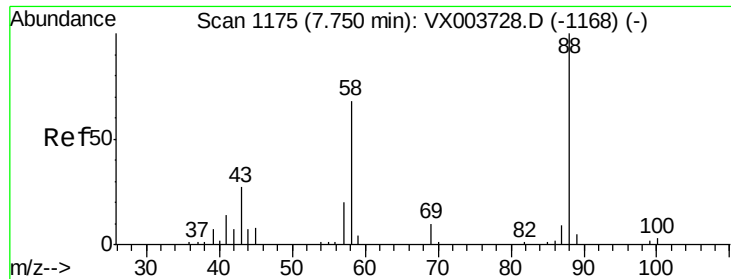
Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Tgt Ion:	41	Resp:	17726
Ion	Ratio	Lower	Upper
41	100		
69	84.6	68.7	103.1
39	49.6	40.8	61.2





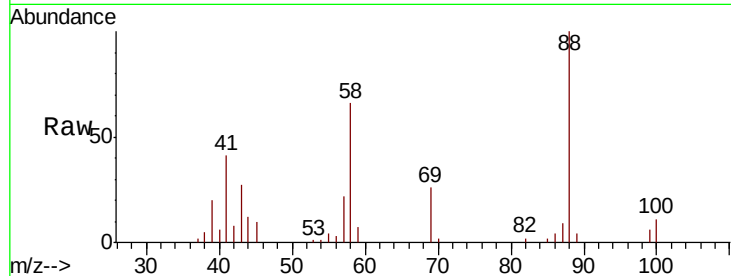
#49
1,4-Dioxane
Concen: 408.43 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.0	39.0
58	71.3	57.1	85.7

Manual Integrations
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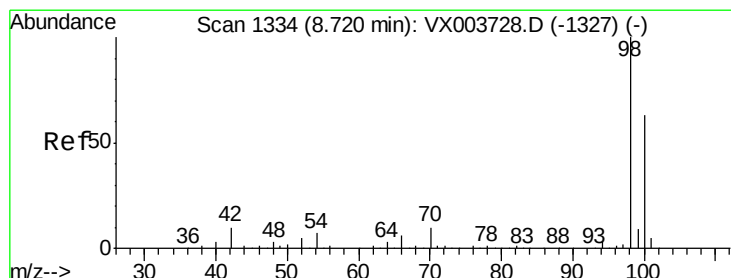
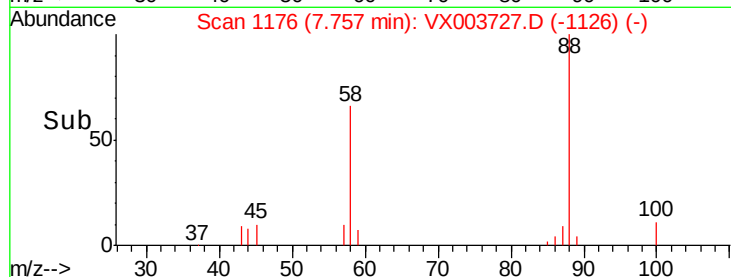
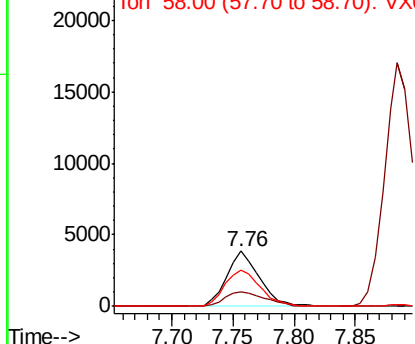


Abundance

Ion 88.00 (87.70 to 88.70): VX0

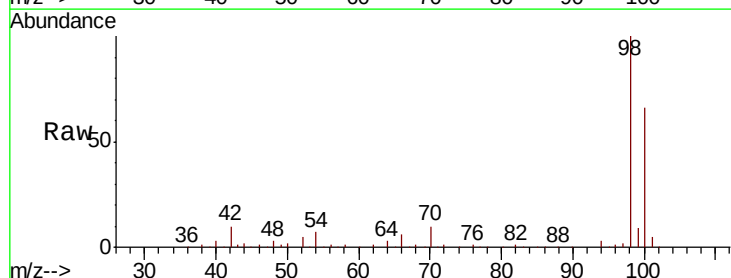
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 19.43 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

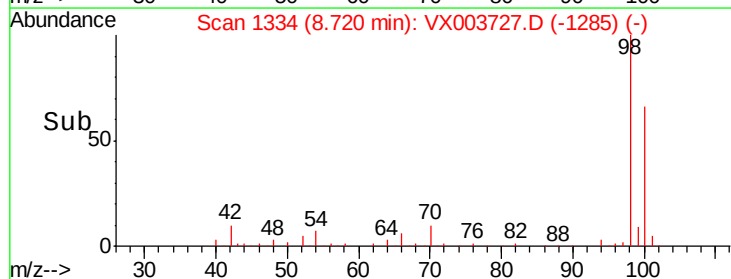
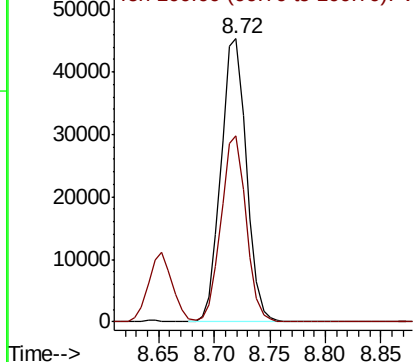
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.0

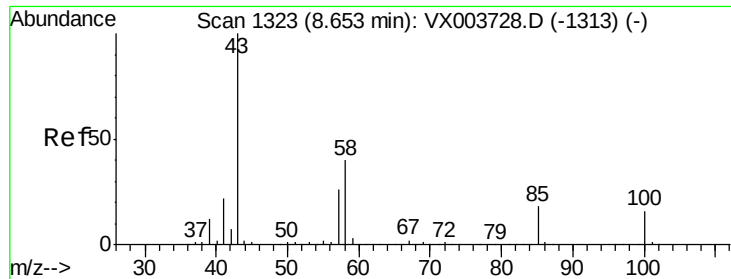


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 105.41 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 111829

Ion Ratio Lower Upper

43 100

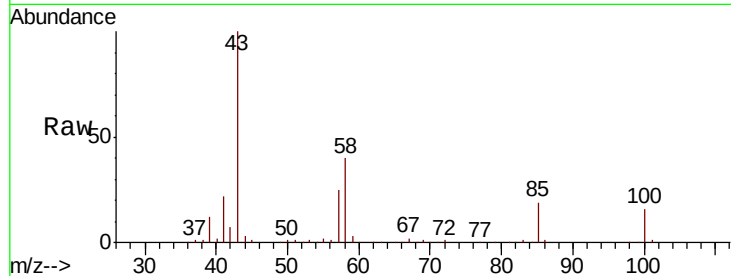
58 39.5 32.1 48.1

Manual Integrations

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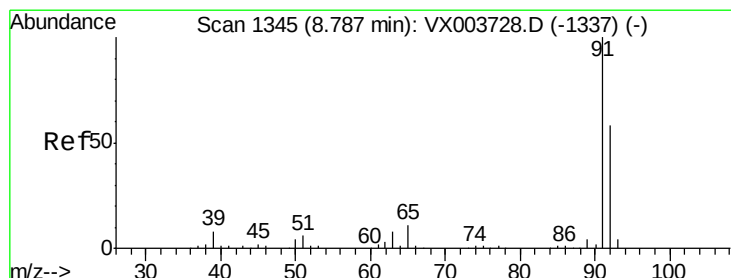
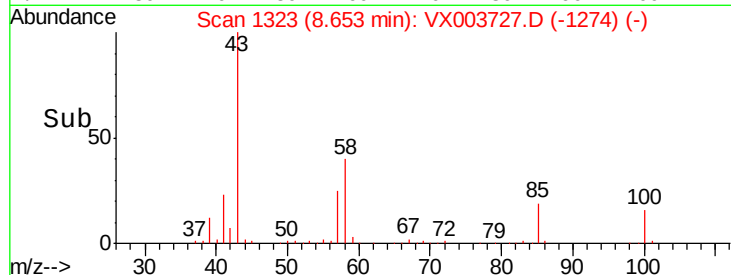
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 20.12 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003727.D

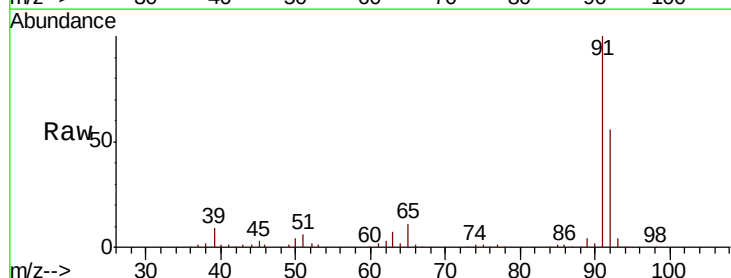
Acq: 30 Jul 2018 16:50

Tgt Ion: 92 Resp: 50727

Ion Ratio Lower Upper

92 100

91 176.4 139.4 209.2



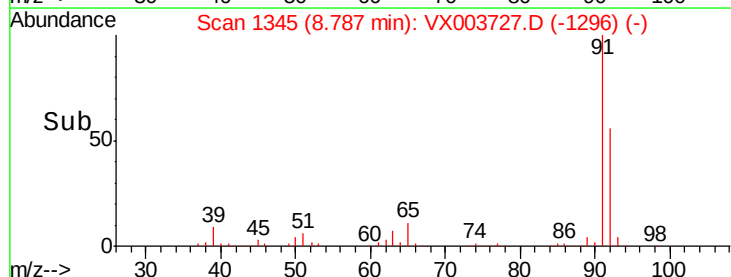
Abundance Ion 92.00 (91.70 to 92.70): VX0

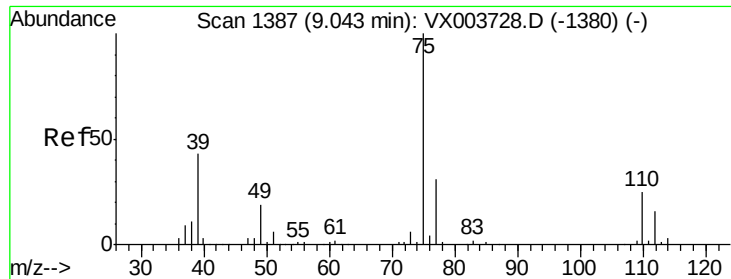
Ion 91.00 (90.70 to 91.70): VX0

8.79

8.70 8.80 8.90

Time-->





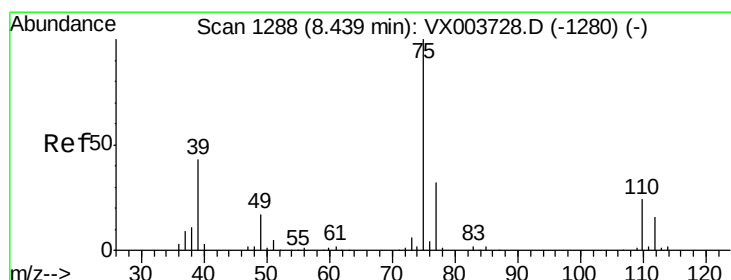
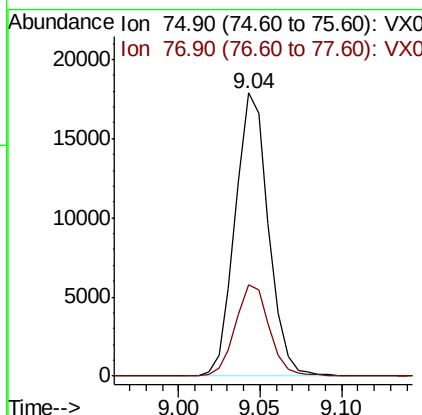
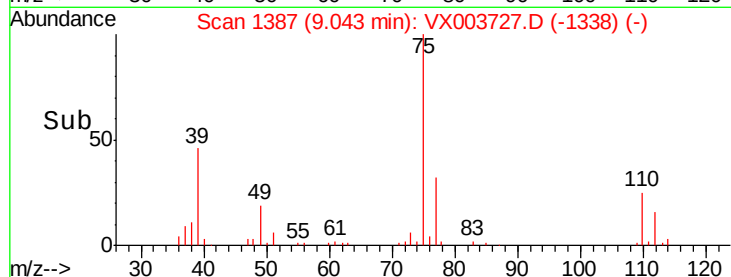
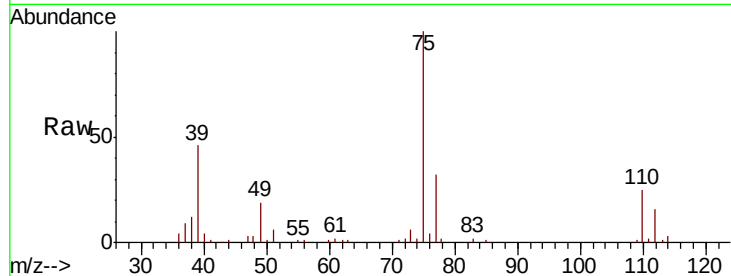
#53
t-1,3-Dichloropropene
Concen: 19.53 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.9	37.3

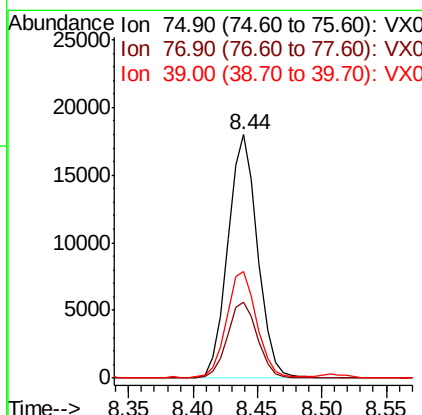
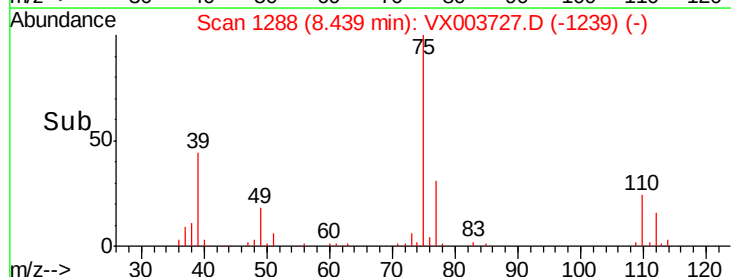
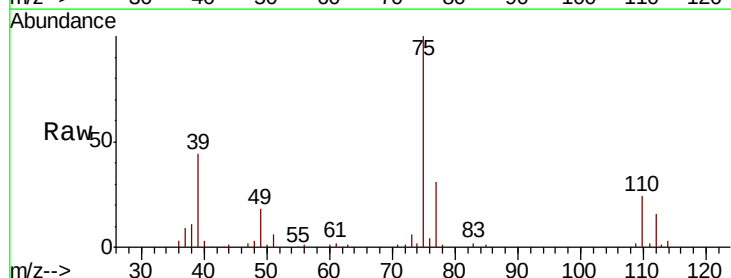
Manual Integrations
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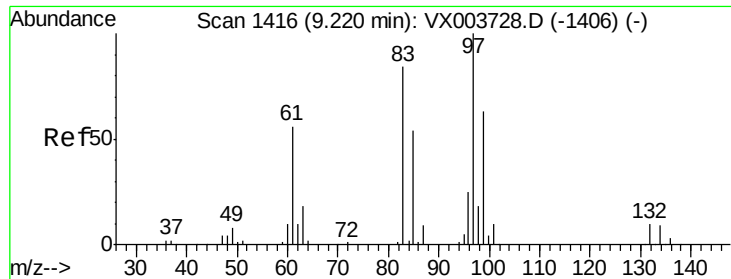
MMDadoda
8/1/2018 10:40:04 AM



#54
cis-1,3-Dichloropropene
Concen: 19.92 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.3	37.9
39	43.3	34.1	51.1





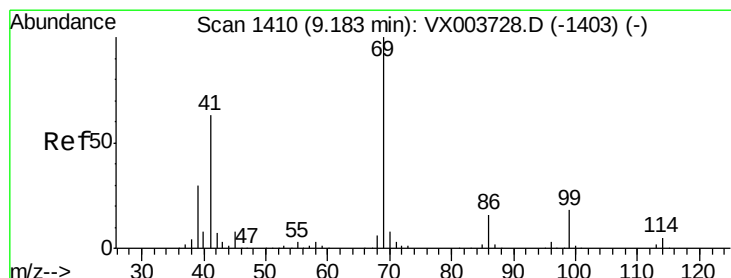
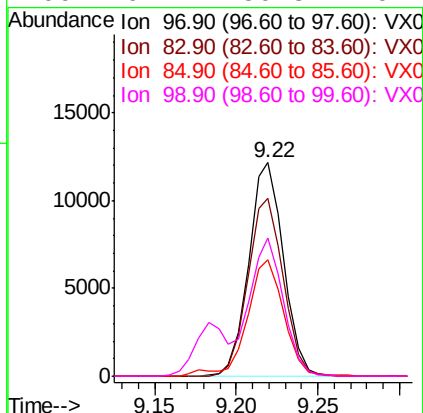
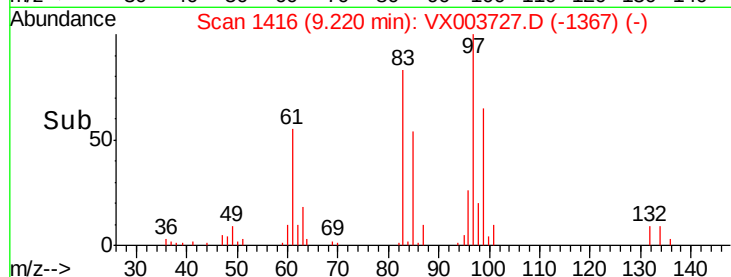
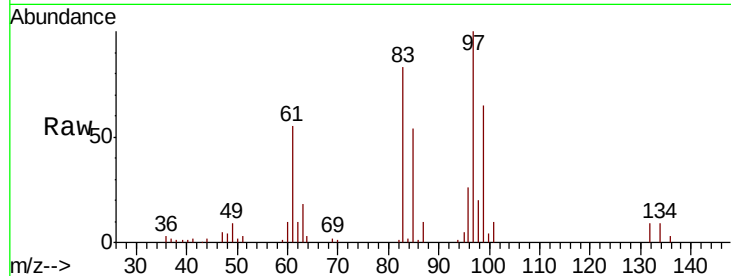
#55
 1,1,2-Trichloroethane
 Concen: 20.76 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	18015
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.4	101.0
85	53.9	43.3	64.9
99	64.7	50.8	76.2

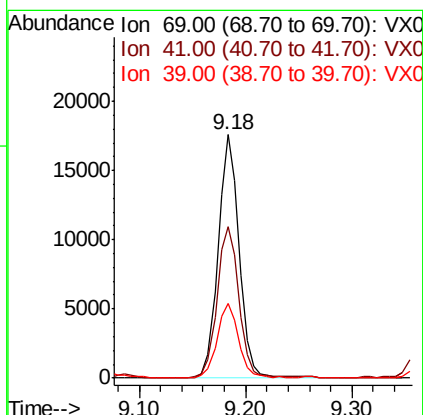
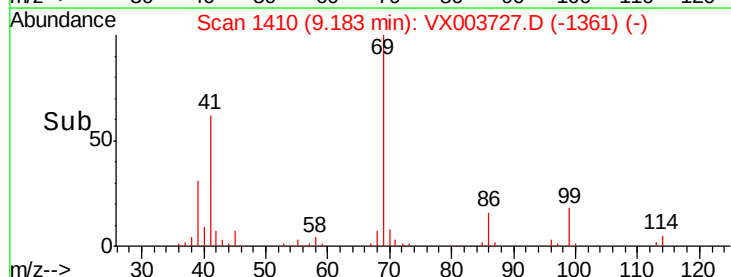
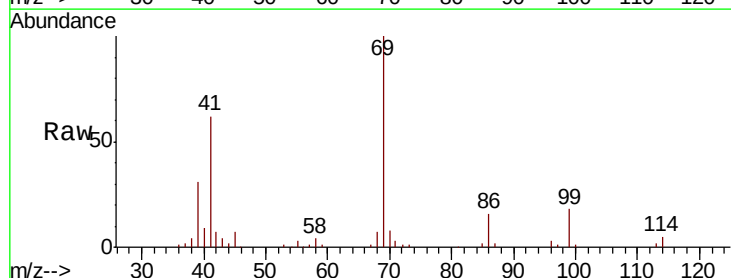
Manual Integrations
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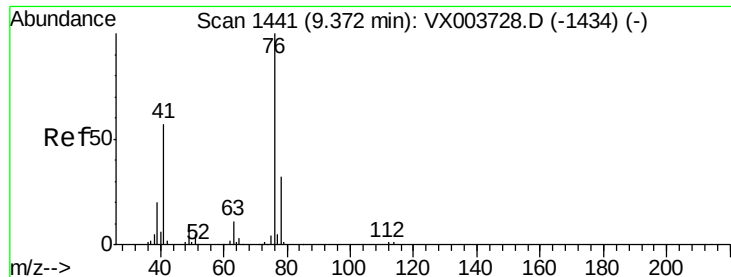
MMDadoda
 8/1/2018 10:40:04 AM



#56
 Ethyl methacrylate
 Concen: 20.17 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion:	69	Resp:	24040
Ion	Ratio	Lower	Upper
69	100		
41	65.0	51.6	77.4
39	31.7	25.1	37.7





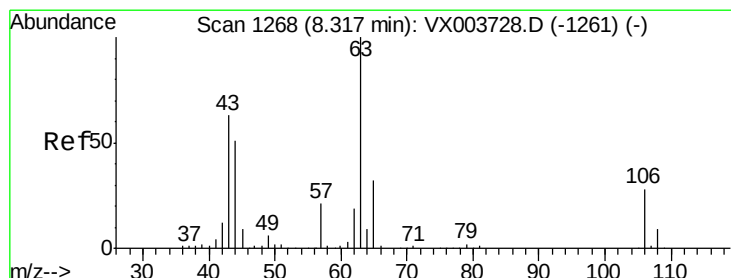
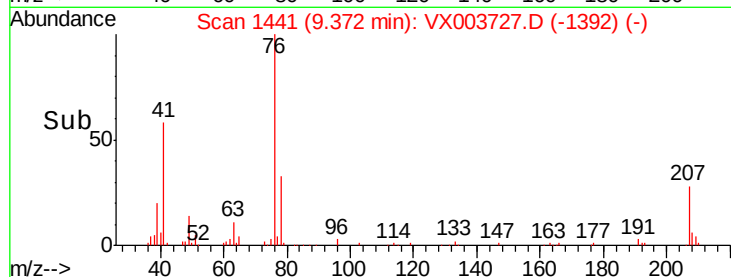
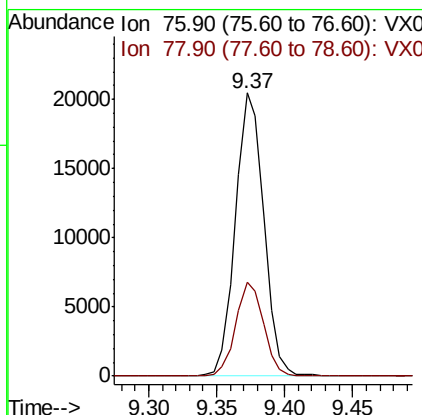
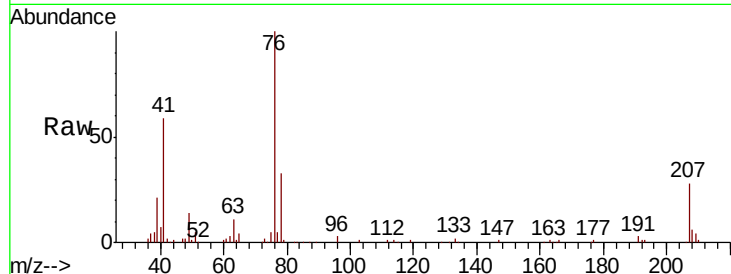
#57
 1,3-Dichloropropane
 Concen: 20.42 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

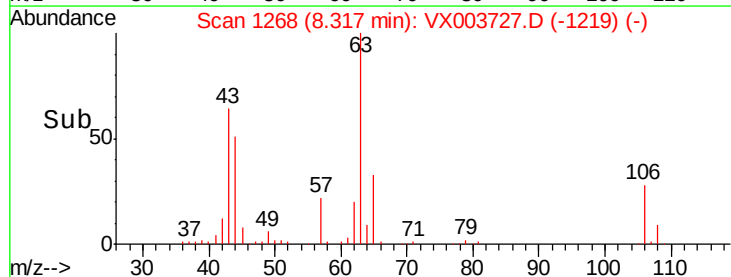
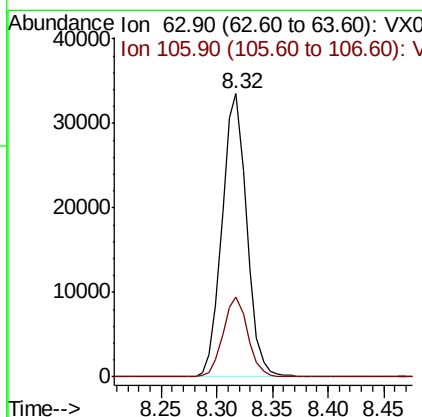
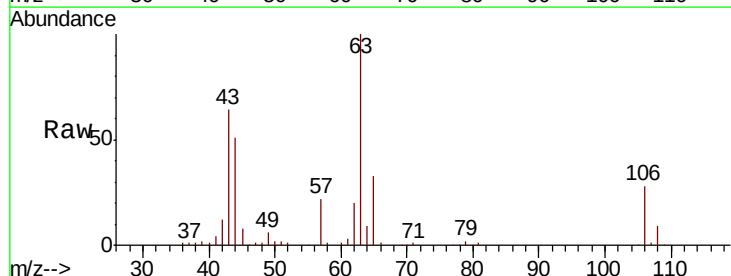
Manual Integrations
 APPROVED

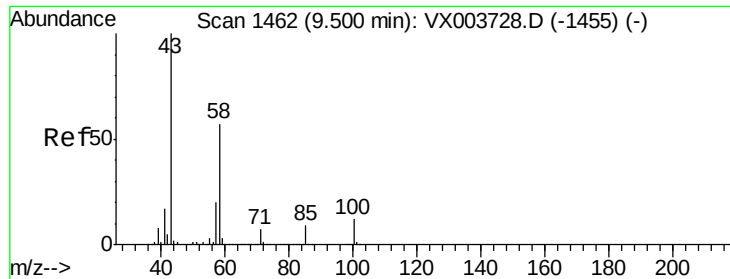
MMDadoda
 8/1/2018 10:40:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.40 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.5	33.7





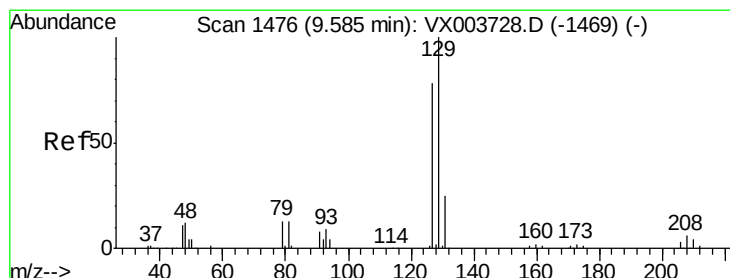
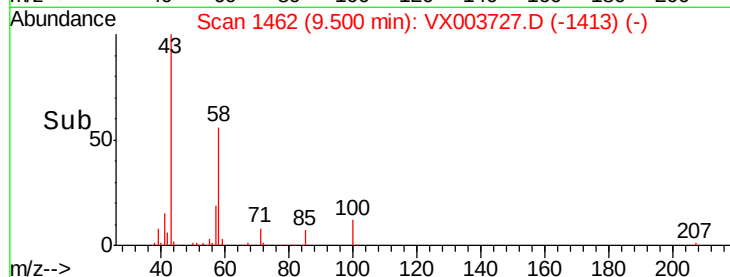
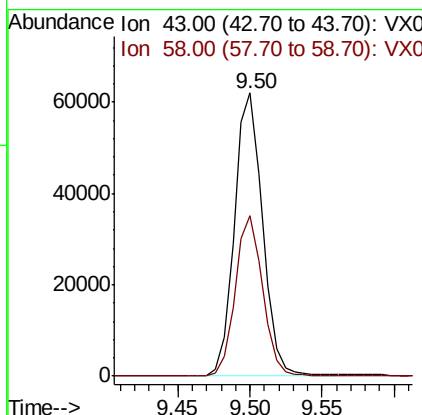
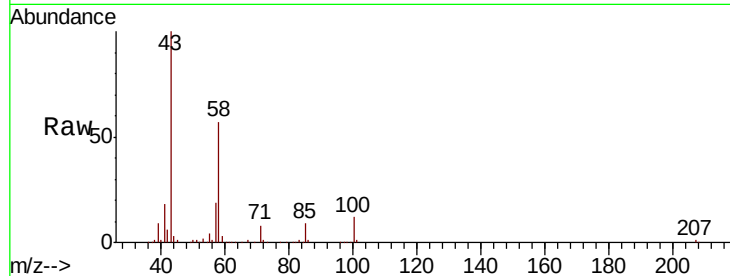
#59
2-Hexanone
Concen: 104.91 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	84792
Ion Ratio	100	Lower	Upper
43	100		
58	55.6	28.0	83.9

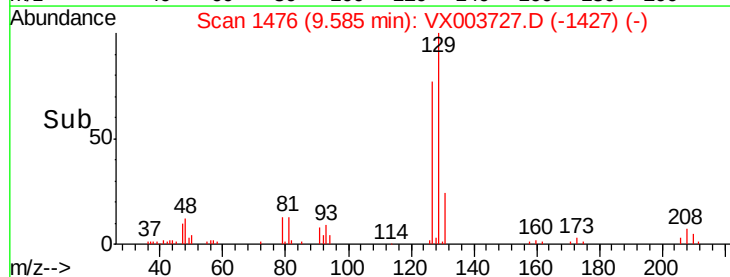
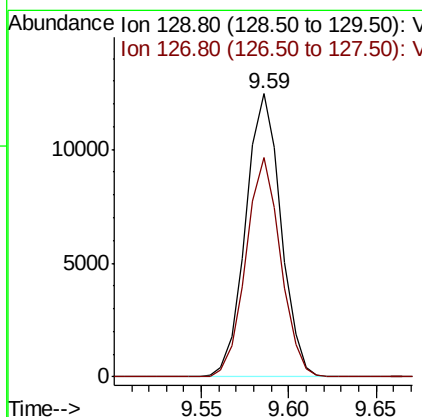
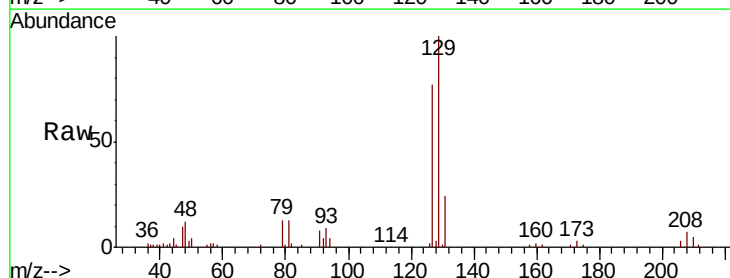
Manual Integrations
APPROVED

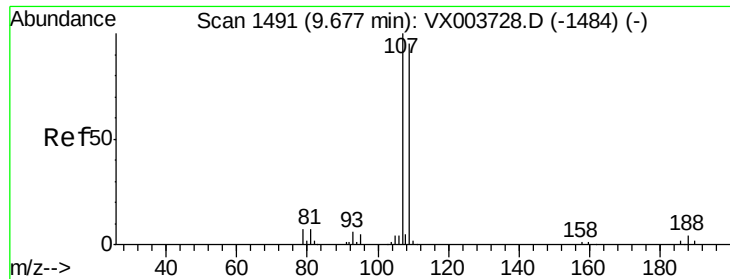
MMDadoda
8/1/2018 10:40:04 AM



#60
Dibromochloromethane
Concen: 19.94 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Tgt Ion	129	Resp	17427
Ion Ratio	100	Lower	Upper
129	100		
127	76.2	38.8	116.4





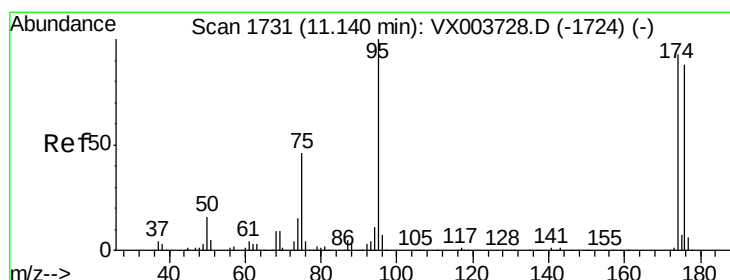
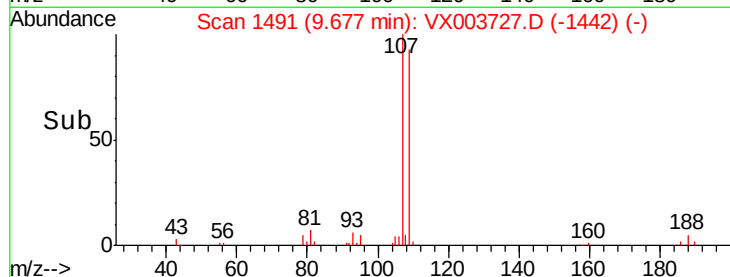
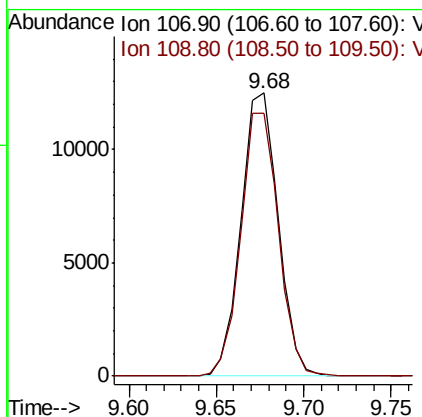
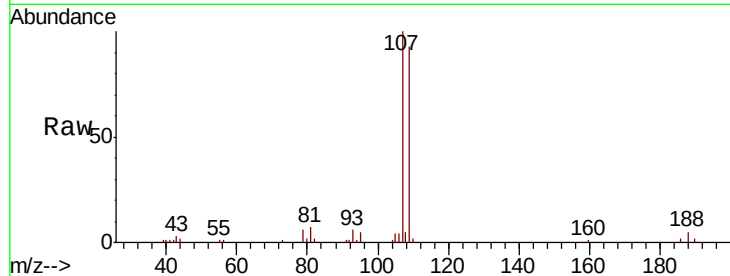
#61
 1,2-Dibromoethane
 Concen: 20.85 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion:107 Resp: 18475
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.0 112.6

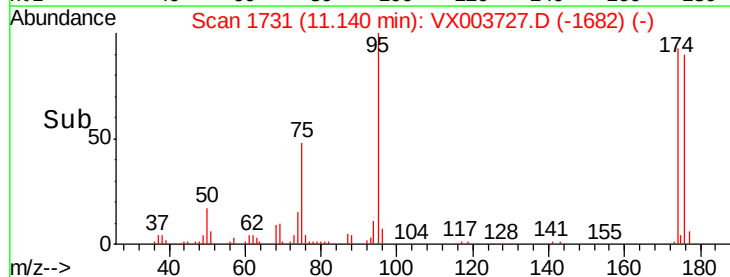
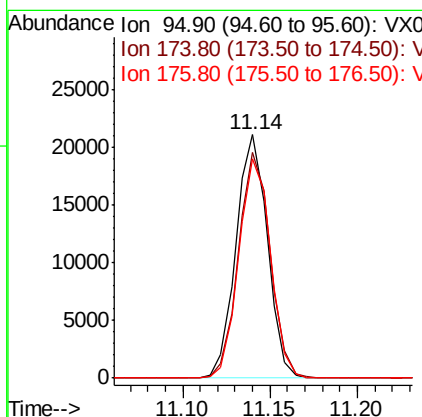
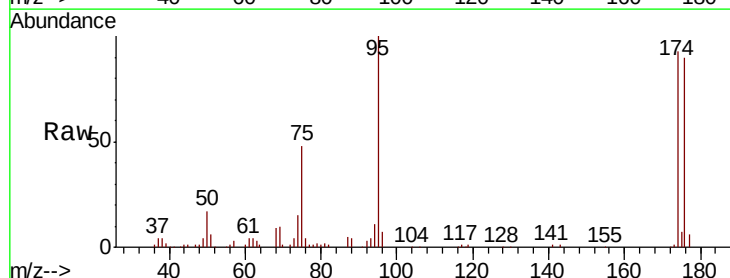
Manual Integrations
 APPROVED

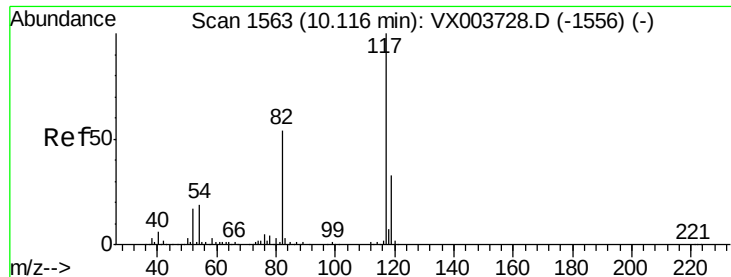
MMDadoda
 8/1/2018 10:40:04 AM



#62
 4-Bromofluorobenzene
 Concen: 19.34 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion: 95 Resp: 26363
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 186.2
 176 91.4 0.0 179.2





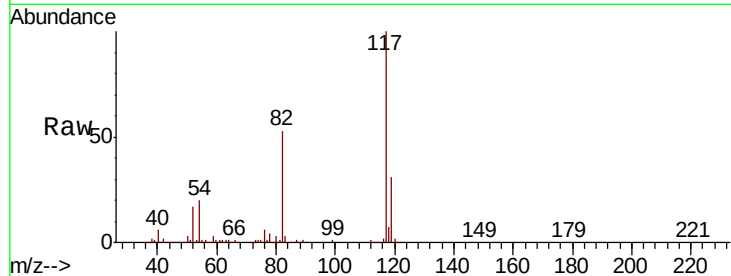
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	137993		
82	53.3	43.2	64.8	
119	31.5	26.3	39.5	

Manual Integrations
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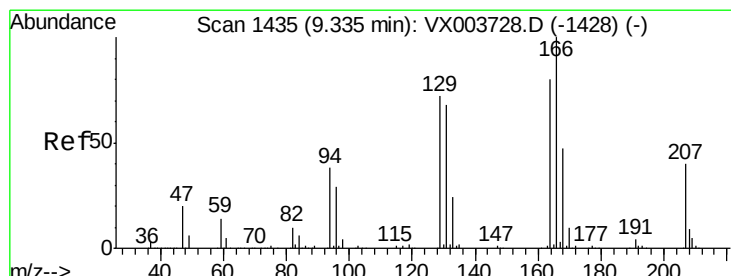
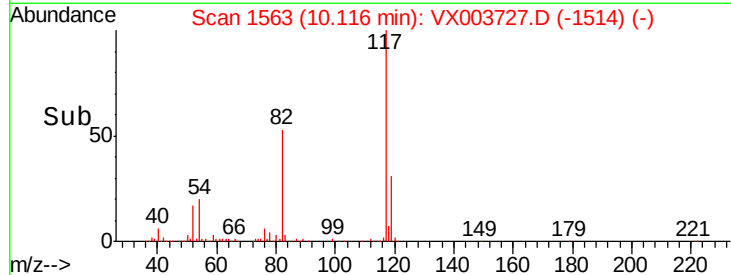
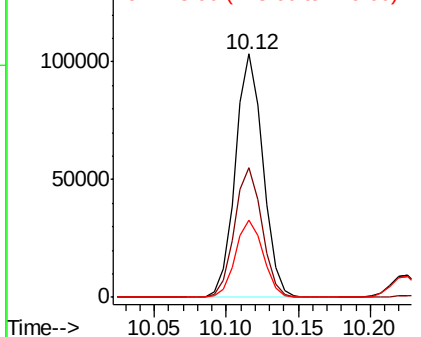


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.45 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21101		
166	129.7	100.4	150.6	
129	89.9	71.8	107.8	
131	88.9	68.3	102.5	

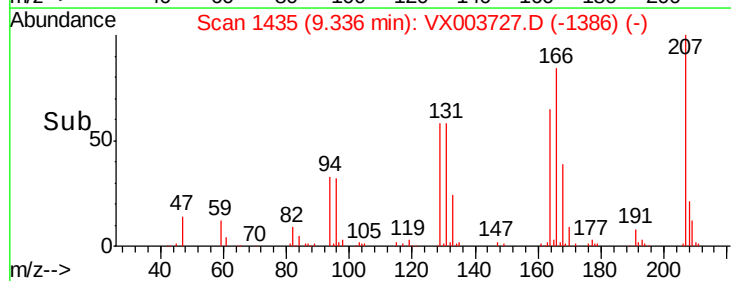
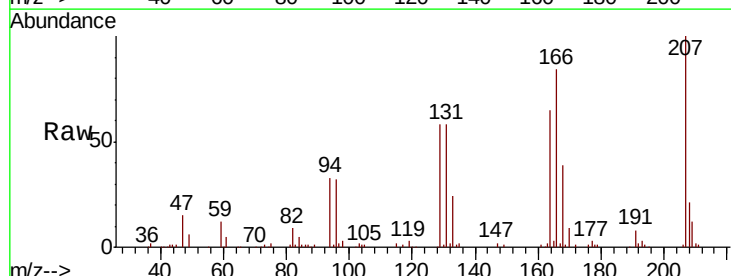
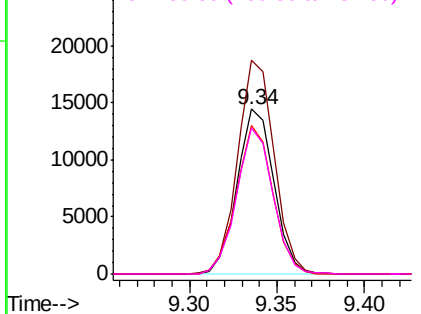
Abundance

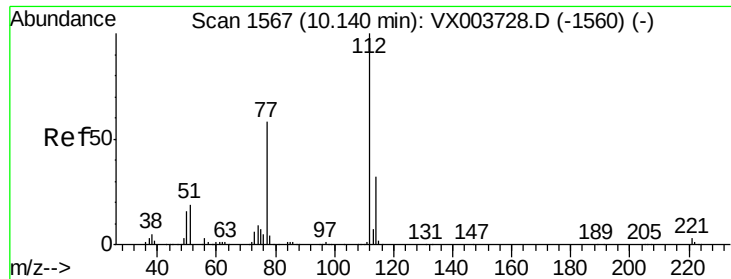
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





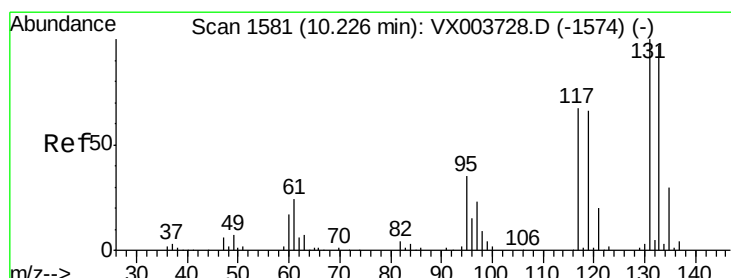
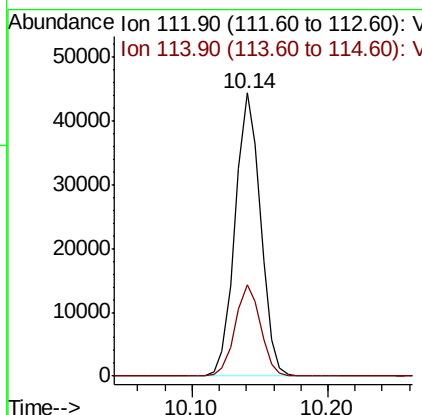
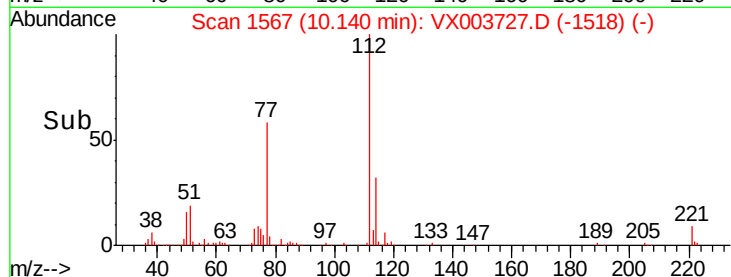
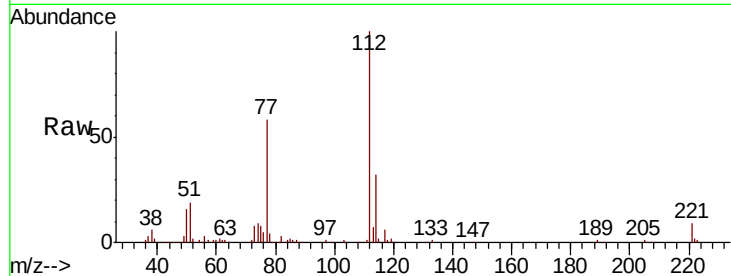
#65
Chlorobenzene
Concen: 20.00 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 57667
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5

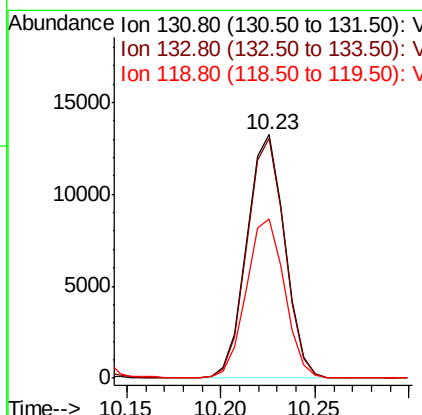
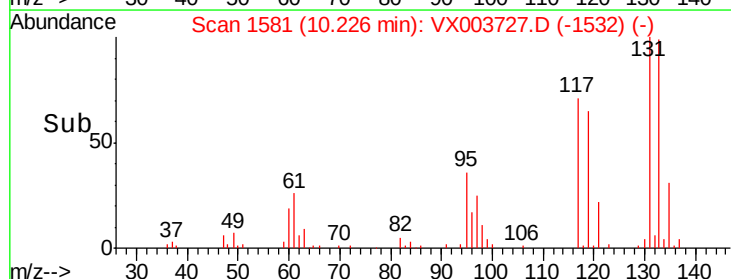
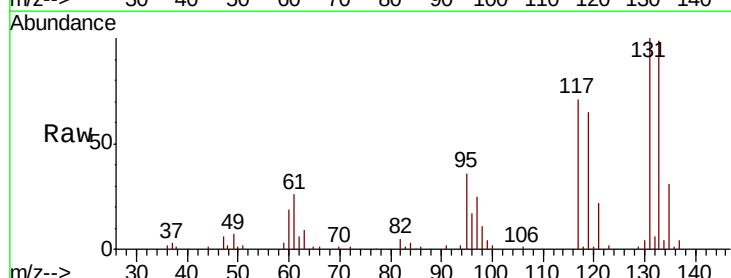
Manual Integrations
APPROVED

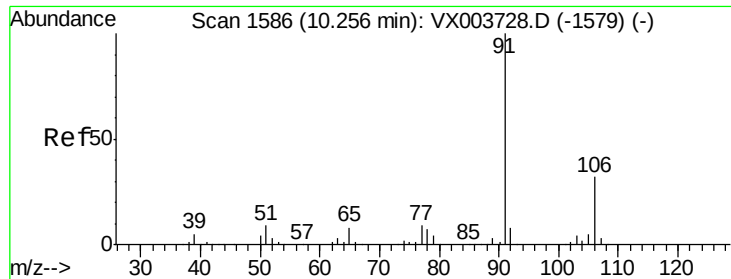
MMDadoda
8/1/2018 10:40:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.66 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Tgt Ion:131 Resp: 18485
Ion Ratio Lower Upper
131 100
133 97.9 47.6 142.9
119 66.0 32.8 98.3





#67

Ethyl Benzene

Concen: 19.90 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 96906

Ion Ratio Lower Upper

91 100

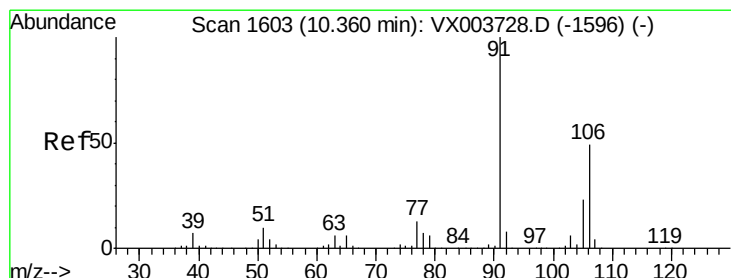
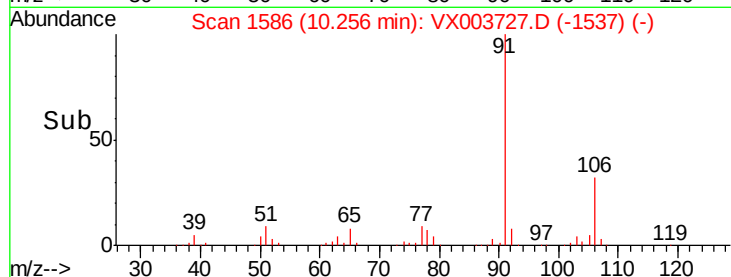
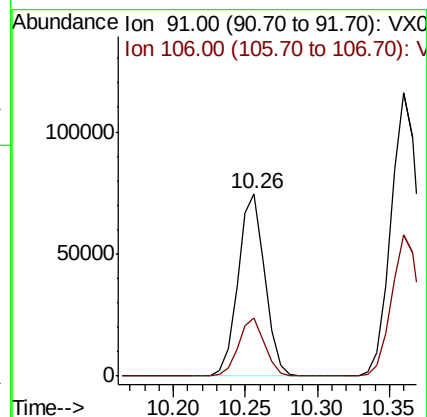
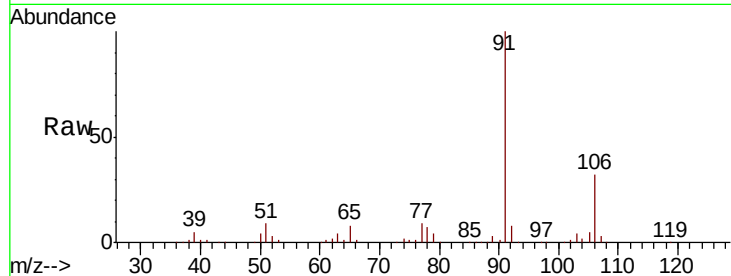
106 32.1 25.4 38.2

Manual Integrations

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MMDadoda

8/1/2018 10:40:04 AM



#68

m/p-Xylenes

Concen: 40.05 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003727.D

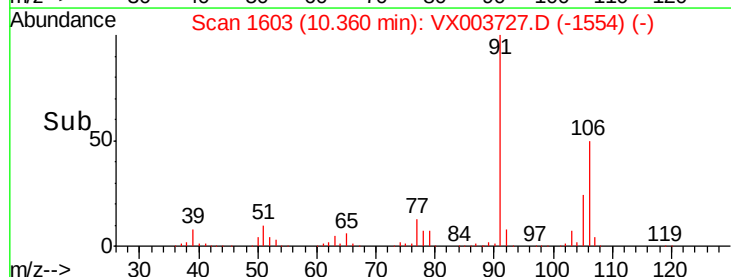
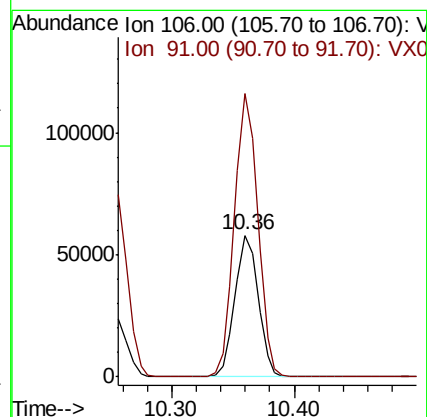
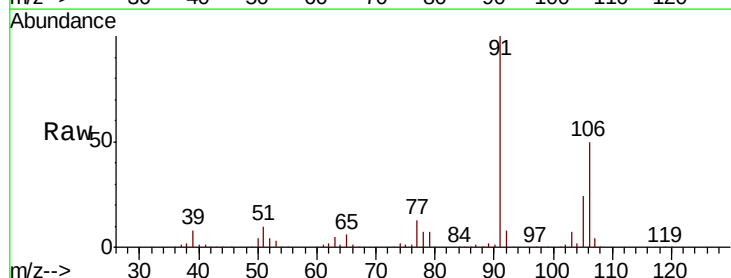
Acq: 30 Jul 2018 16:50

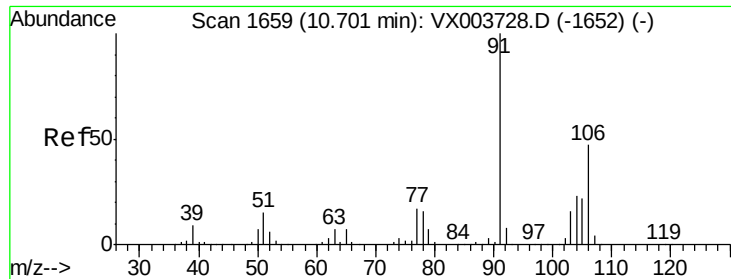
Tgt Ion: 106 Resp: 76285

Ion Ratio Lower Upper

106 100

91 201.7 159.8 239.8





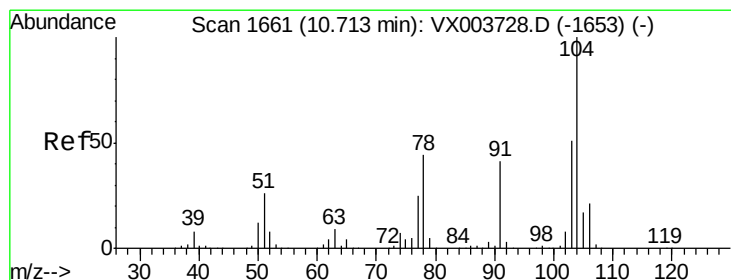
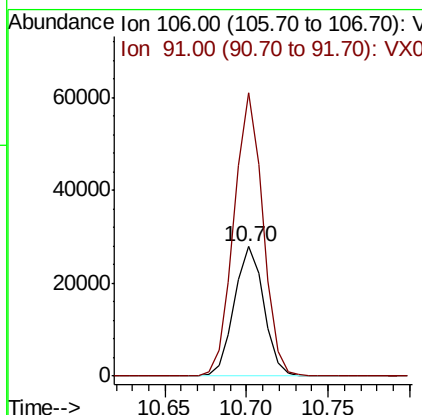
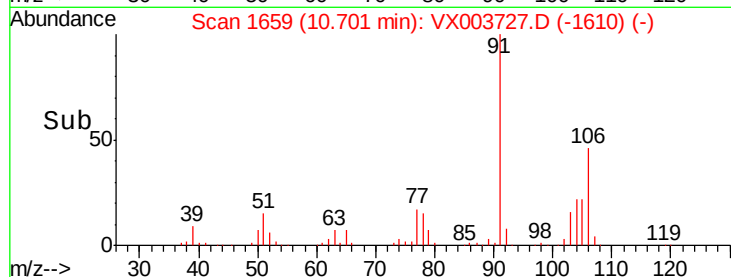
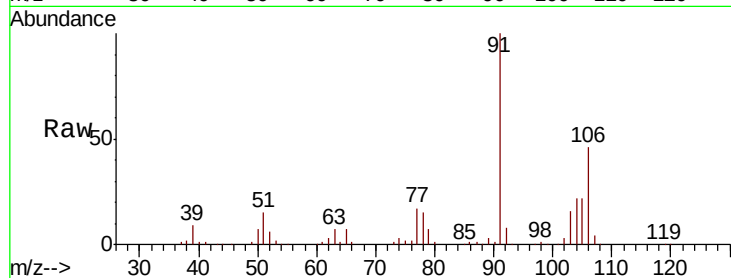
#69
o-Xylene
Concen: 20.03 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 35430
Ion Ratio Lower Upper
106 100
91 213.9 105.6 316.8

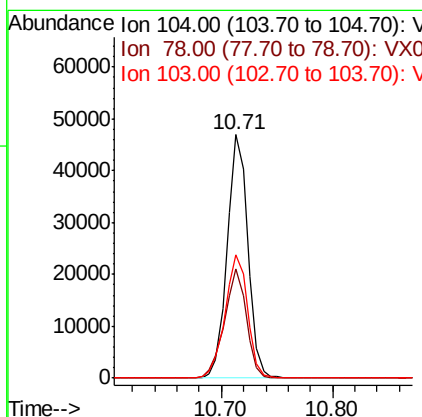
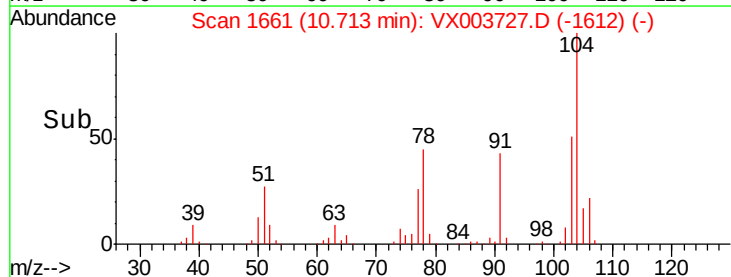
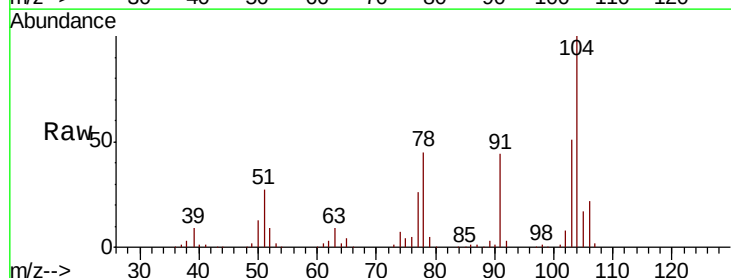
Manual Integrations
APPROVED

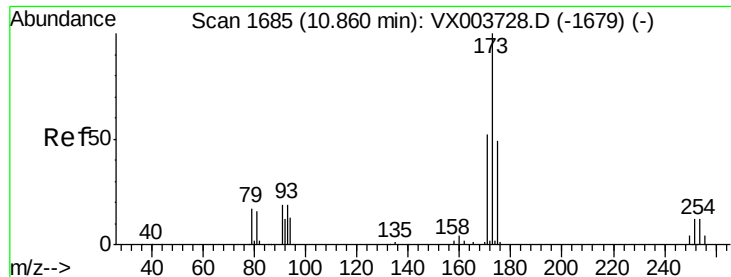
MMDadoda
8/1/2018 10:40:04 AM



#70
Styrene
Concen: 20.29 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Tgt Ion:104 Resp: 60371
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.3 44.5 66.7





#71

Bromoform

Concen: 19.12 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 12362

Ion Ratio Lower Upper

173 100

175 49.2 24.9 74.6

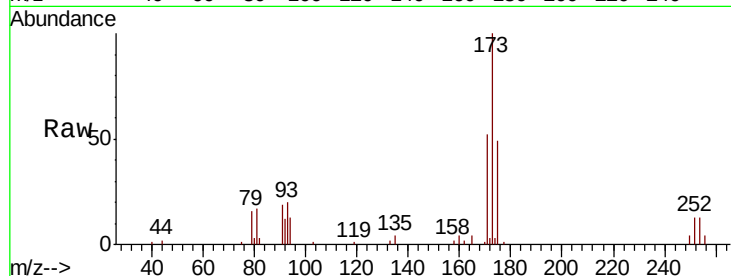
254 0.0 0.0 0.0

Manual Integrations

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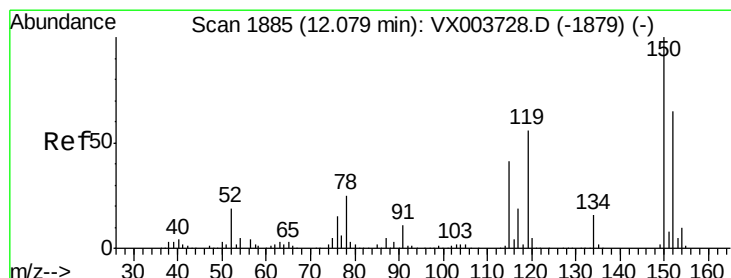
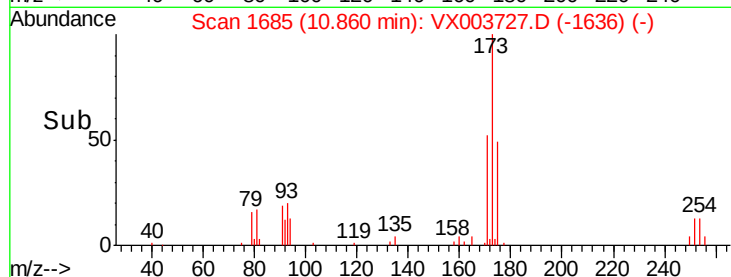
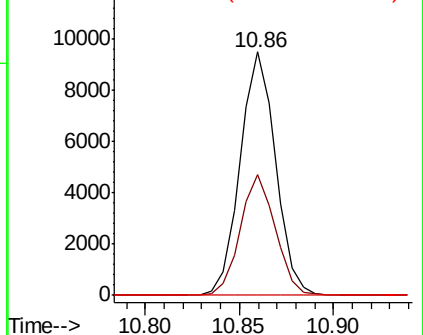
8/1/2018 10:40:04 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

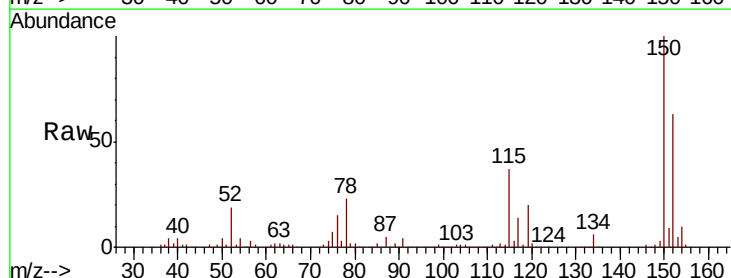
Tgt Ion:152 Resp: 79381

Ion Ratio Lower Upper

152 100

115 64.2 38.5 115.3

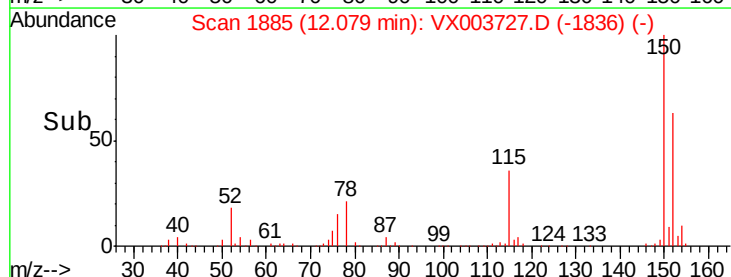
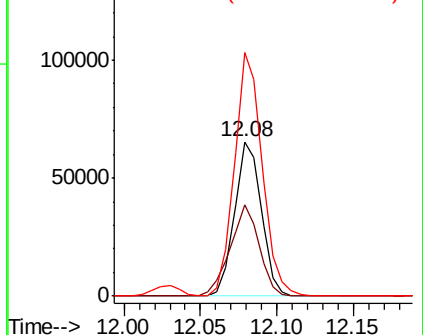
150 163.3 0.0 346.2

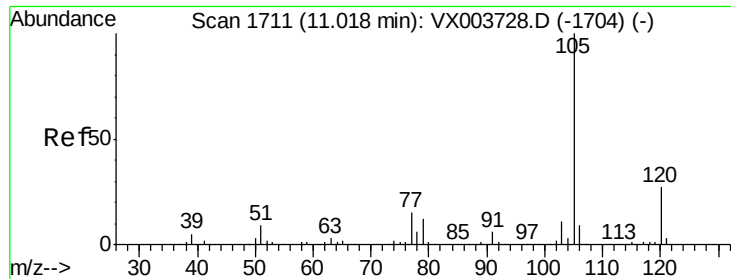


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.85 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 98653

Ion Ratio Lower Upper

105 100

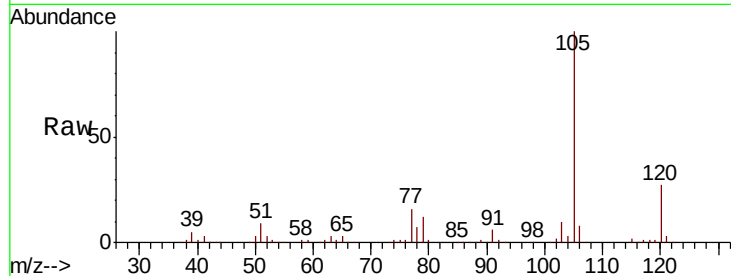
120 26.9 13.5 40.5

Manual Integrations

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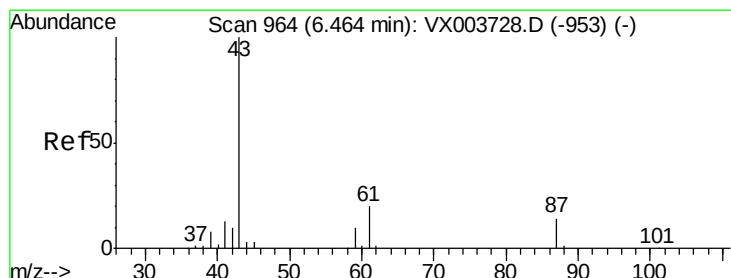
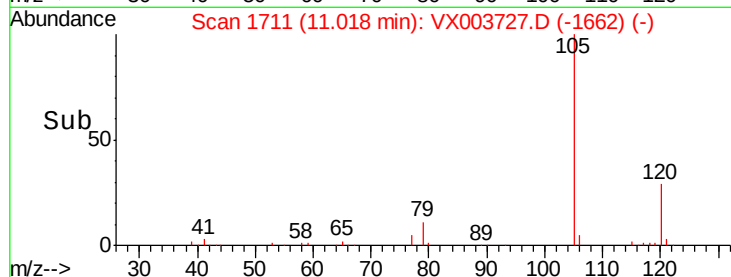
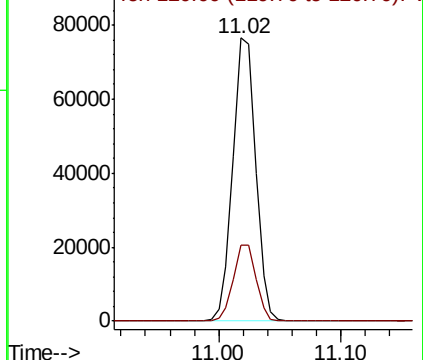
MMDadoda

8/1/2018 10:40:04 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: 21.84 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Tgt Ion: 43 Resp: 34521

Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.9 28.3#

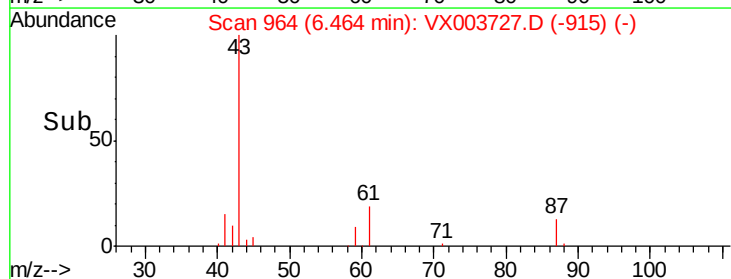
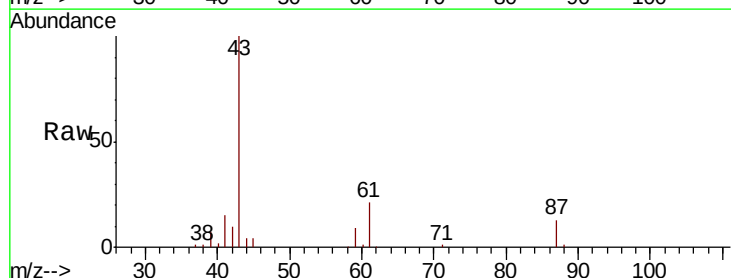
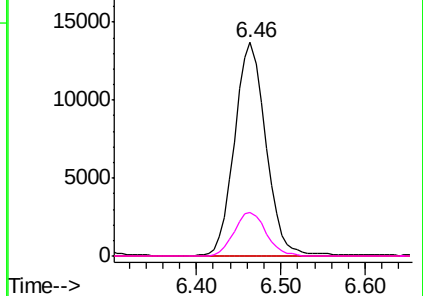
61 20.7 17.8 26.8

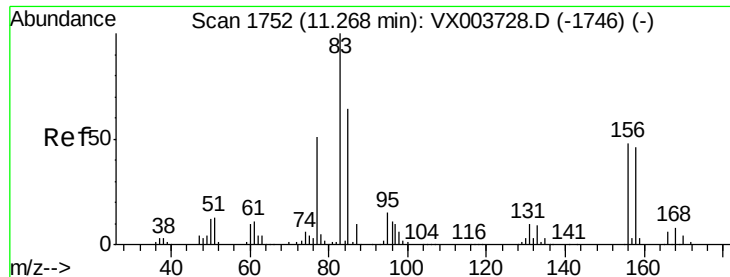
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.39 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

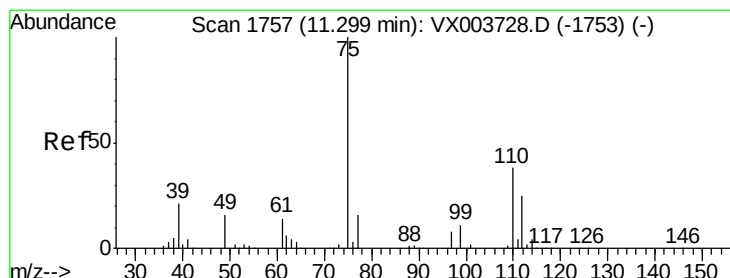
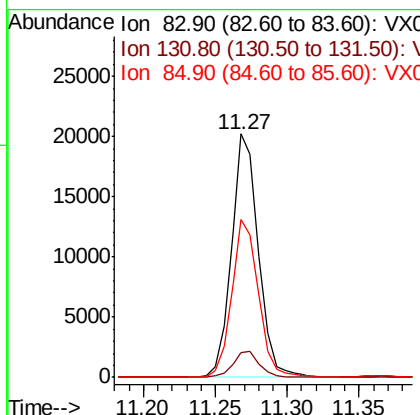
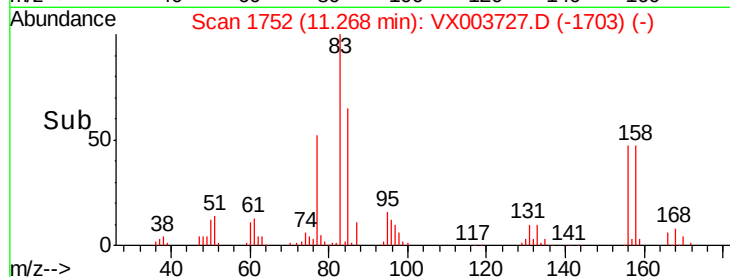
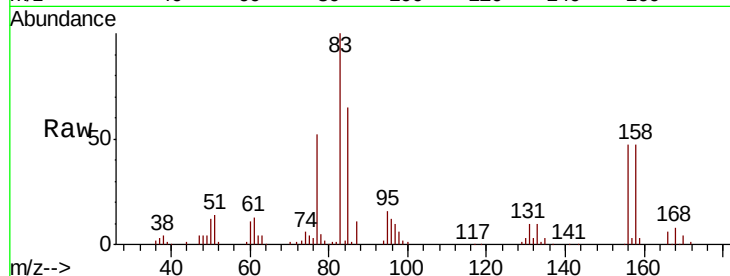
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	26349
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.9
85	64.6	32.0	96.2

Manual Integrations
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MMDadoda
8/1/2018 10:40:04 AM



#76

1,2,3-Trichloropropane

Concen: 20.36 ug/l m

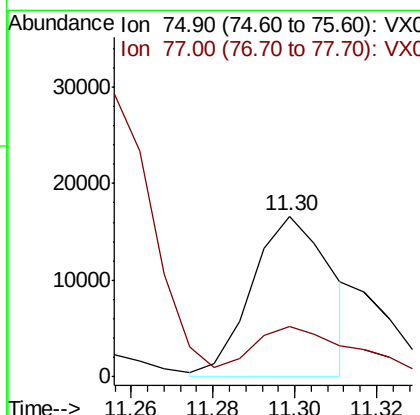
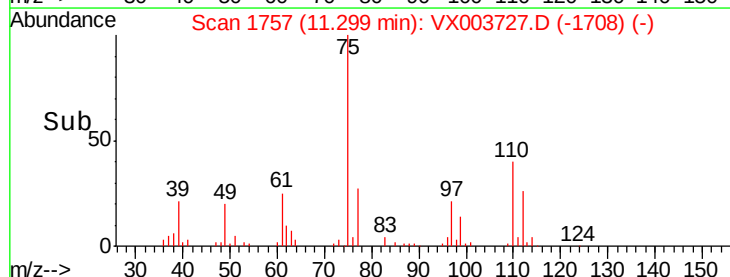
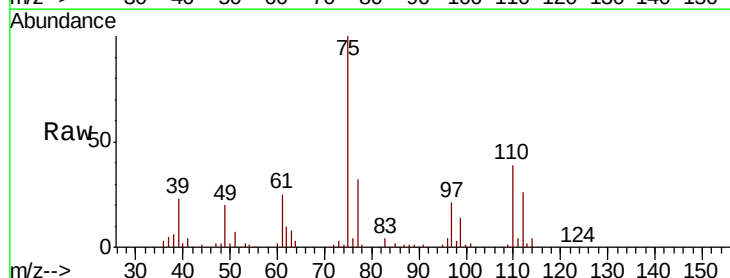
RT: 11.30 min Scan# 1757

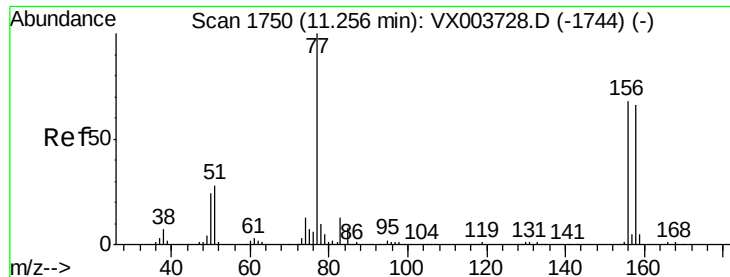
Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Tgt Ion:	75	Resp:	22274
Ion	Ratio	Lower	Upper
75	100		
77	41.8	21.6	65.0





#77

Bromobenzene

Concen: 19.96 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

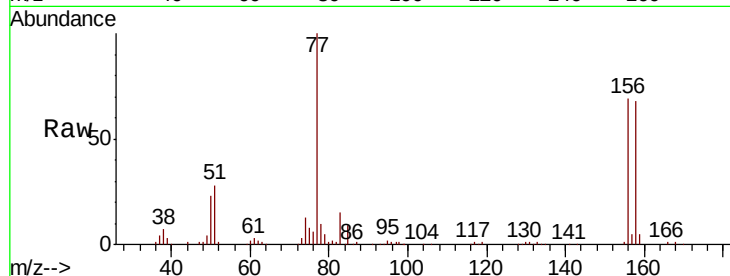
ClientSampleId :

VSTDIC020

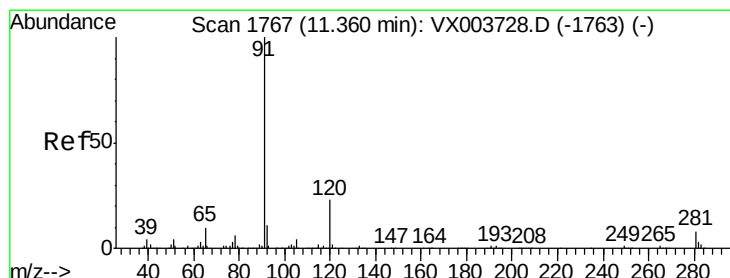
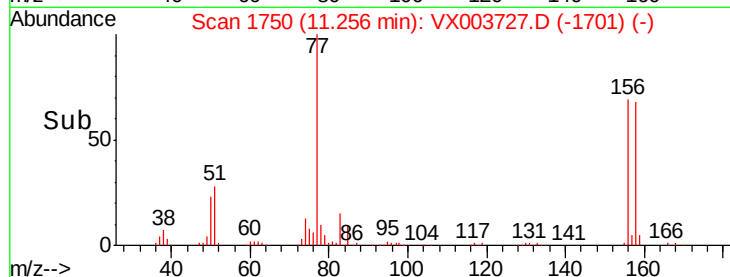
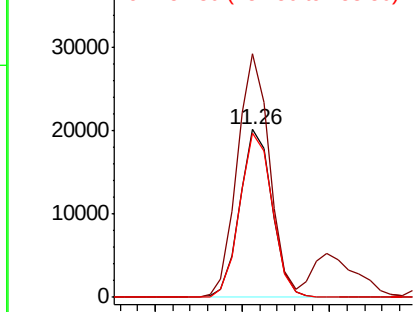
Tot Ion:	156	Resp:	25857
Ion	Ratio	Lower	Upper
156	100		
77	145.2	71.8	215.3
158	98.6	48.8	146.4

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.00 ug/l

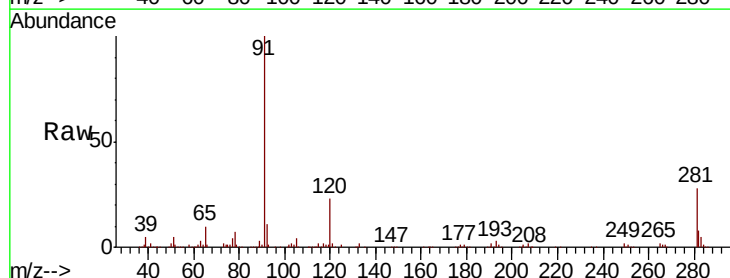
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

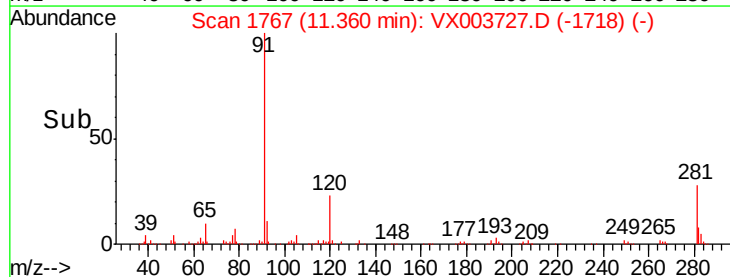
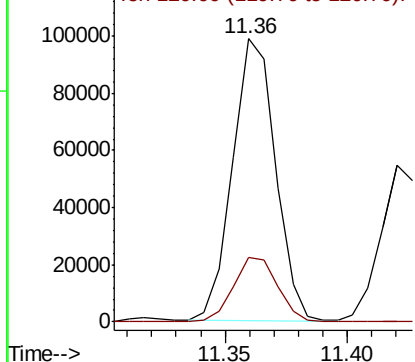
Lab File: VX003727.D

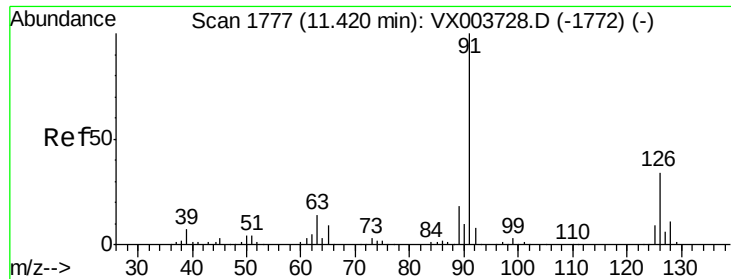
Acq: 30 Jul 2018 16:50

Tgt Ion:	91	Resp:	120433
Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.00 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 68374

Ion Ratio Lower Upper

91 100

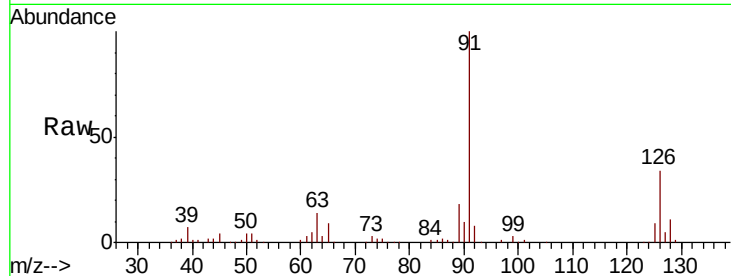
126 35.4 17.6 52.8

Manual Integrations

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8/1/2018 10:40:04 AM



Abundance Ion 91.00 (90.70 to 91.70): VX003727.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX003727.D (-1772) (-)

100000

80000

60000

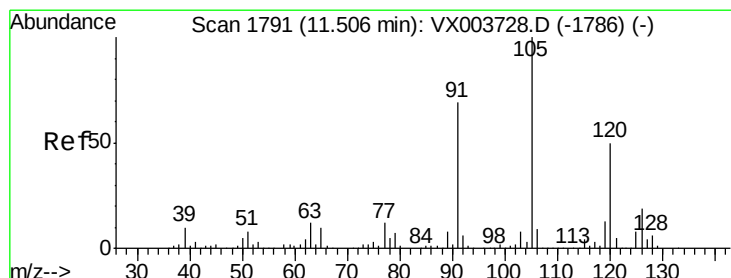
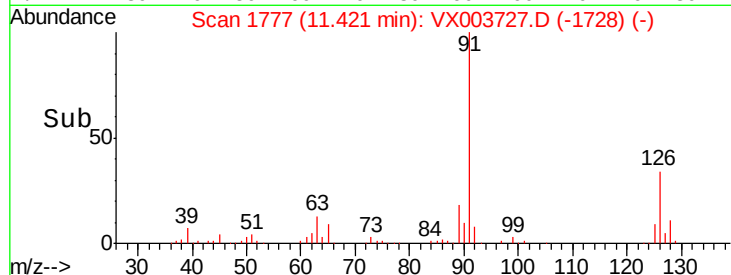
40000

20000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.38 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003727.D

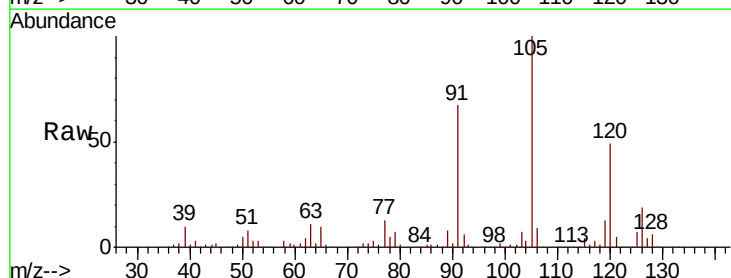
Acq: 30 Jul 2018 16:50

Tgt Ion: 105 Resp: 84280

Ion Ratio Lower Upper

105 100

120 49.4 15.8 47.4#



Abundance Ion 105.00 (104.70 to 105.70): VX003727.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003727.D (-1786) (-)

80000

60000

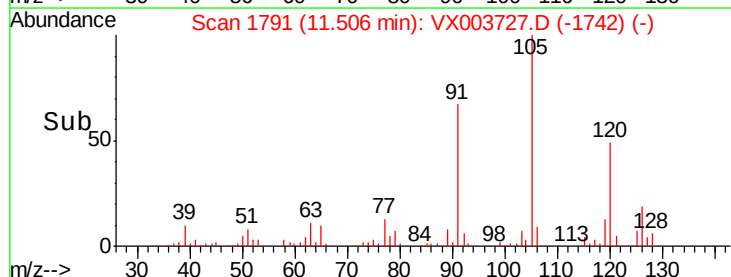
40000

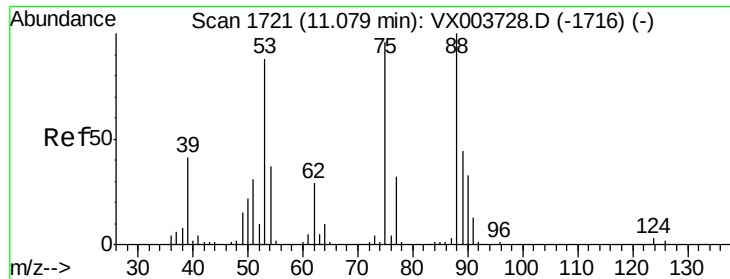
20000

0

11.50 11.60

Time-->





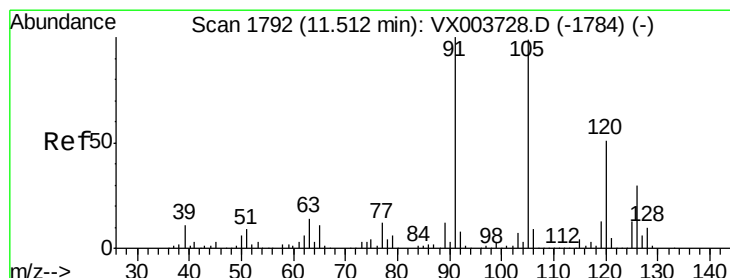
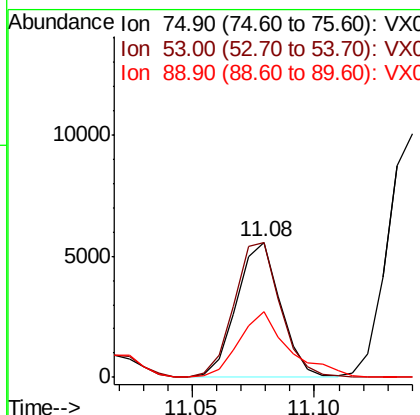
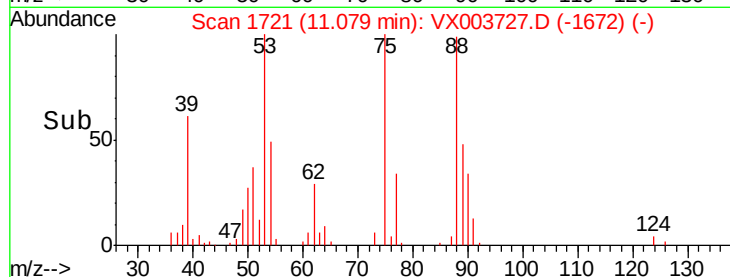
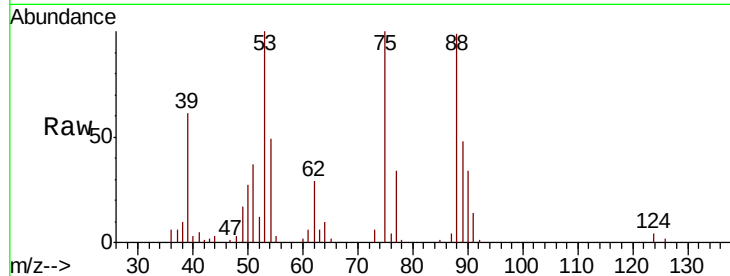
#81
trans-1,4-Dichloro-2-butene
Concen: 18.98 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.4	75.8	113.8
89	54.8	39.1	58.7

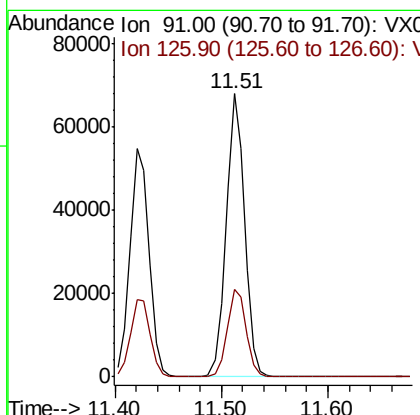
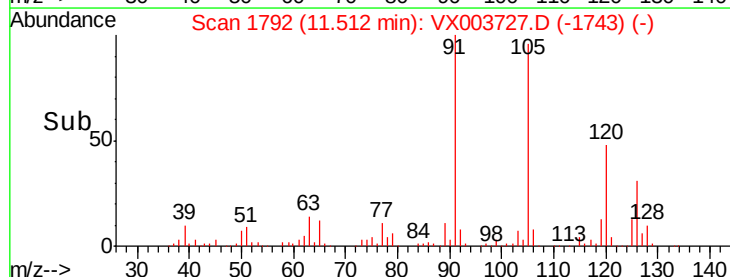
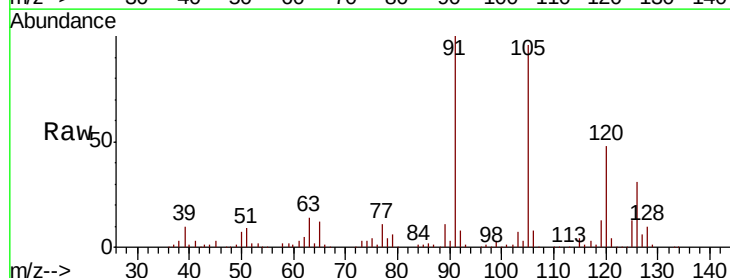
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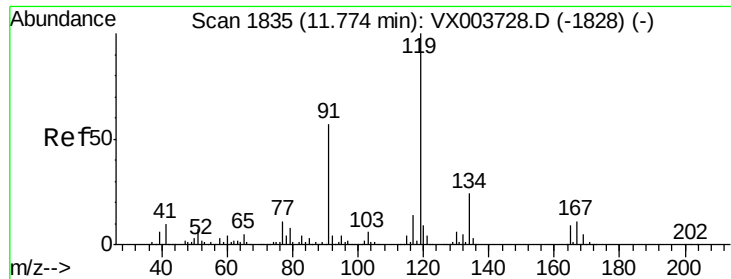
MMDadoda
8/1/2018 10:40:04 AM



#82
4-Chlorotoluene
Concen: 20.02 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.7





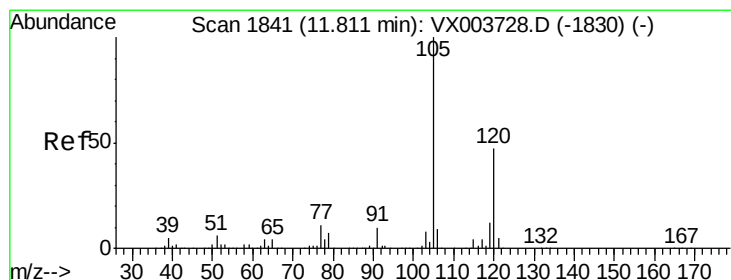
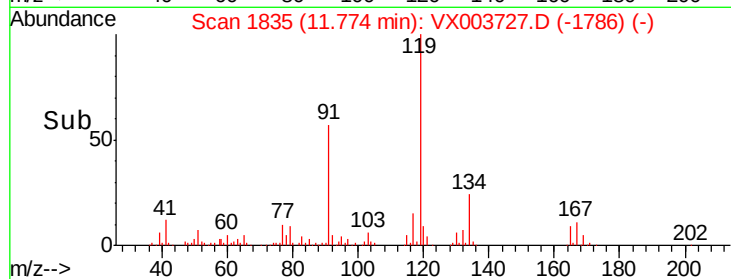
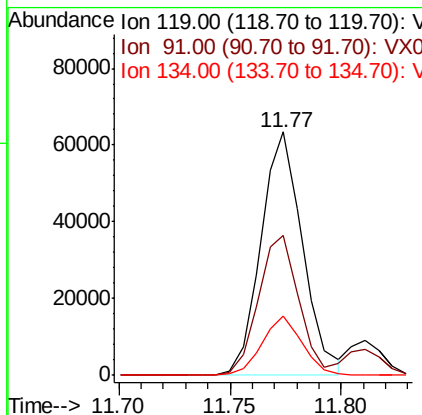
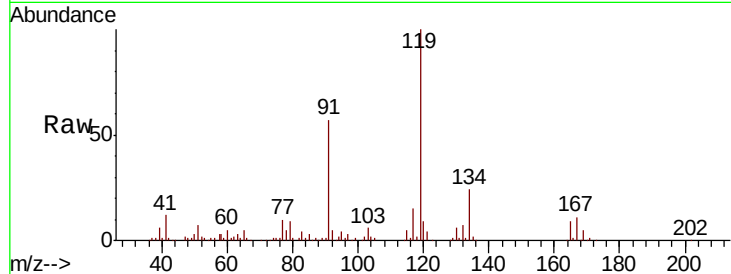
#83
 tert-Butylbenzene
 Concen: 19.66 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	27.2	81.6
134	23.3	11.6	34.8

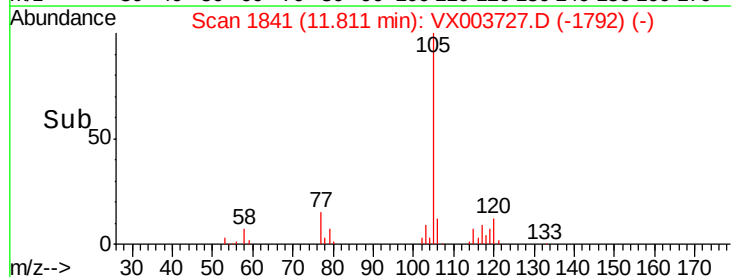
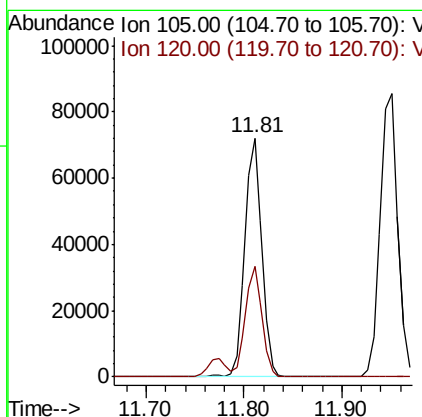
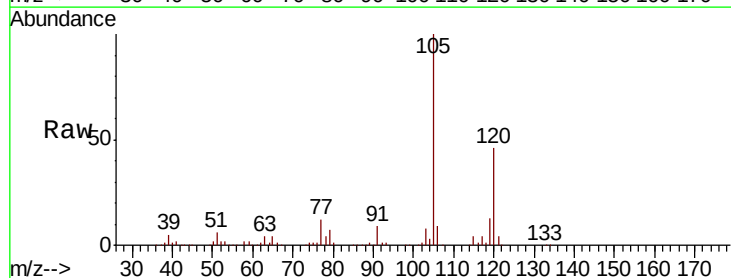
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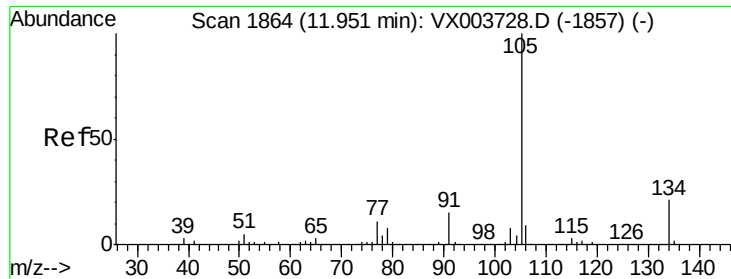
MMDadoda
 8/1/2018 10:40:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.01 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.1	69.2





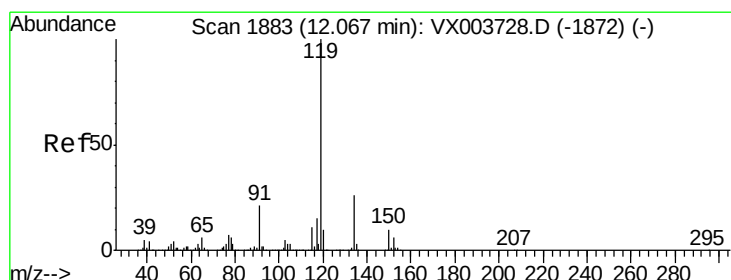
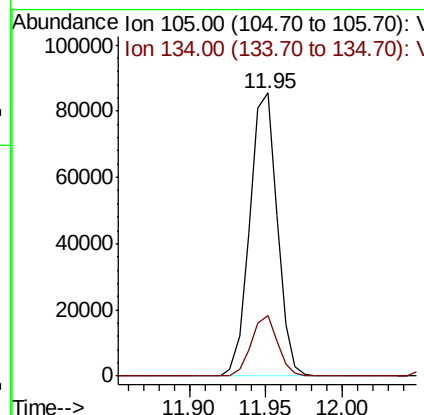
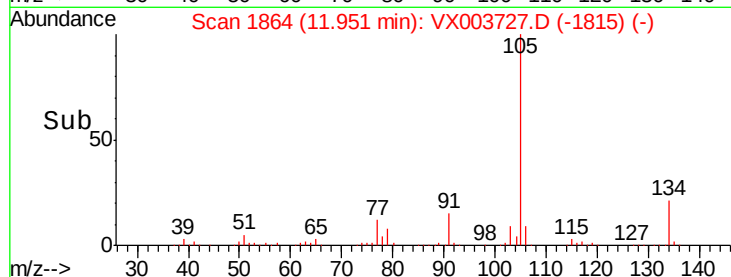
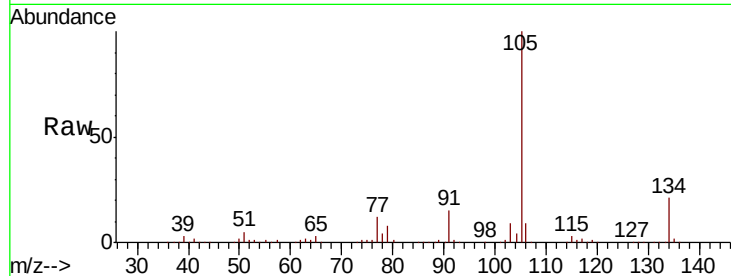
#85
 sec-Butylbenzene
 Concen: 19.86 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.8

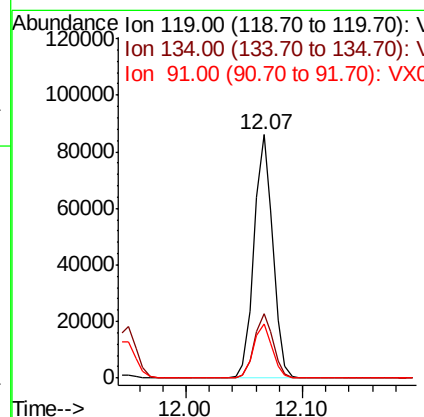
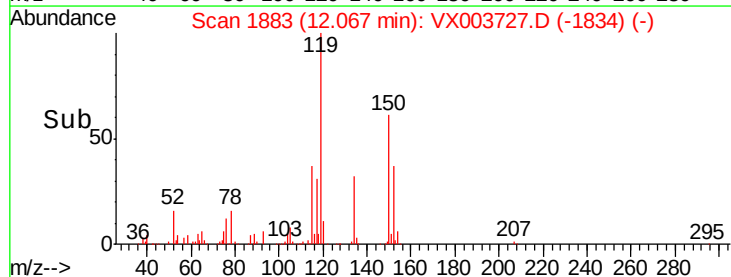
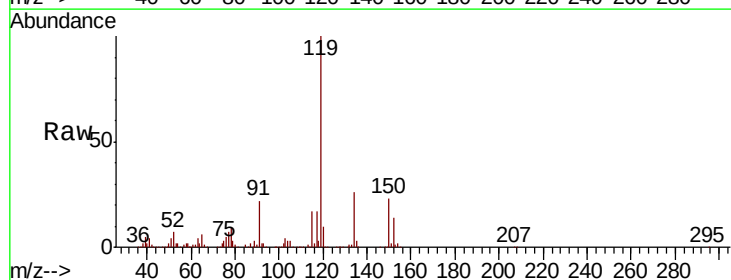
Manual Integrations
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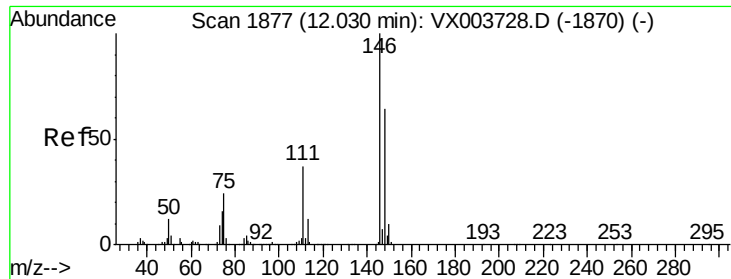
MMDadoda
 8/1/2018 10:40:04 AM



#86
 p-Isopropyltoluene
 Concen: 22.53 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	10.1	30.1
91	22.8	23.6	70.8#





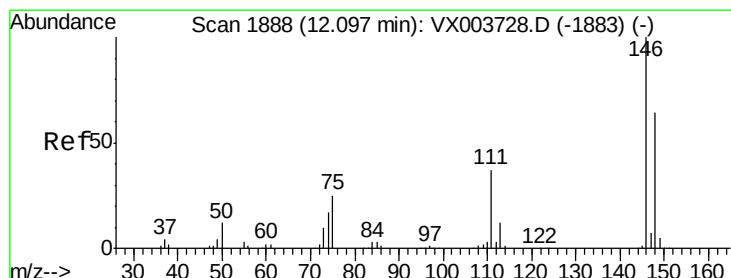
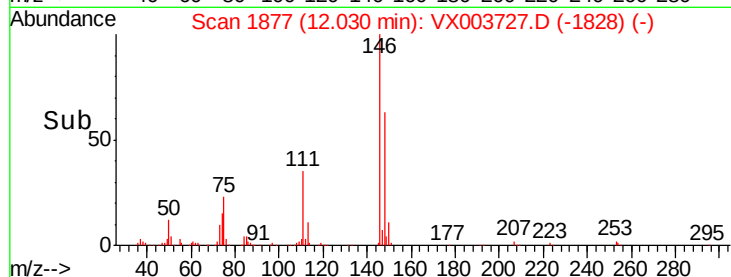
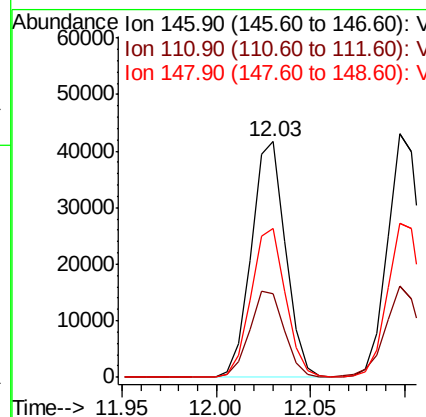
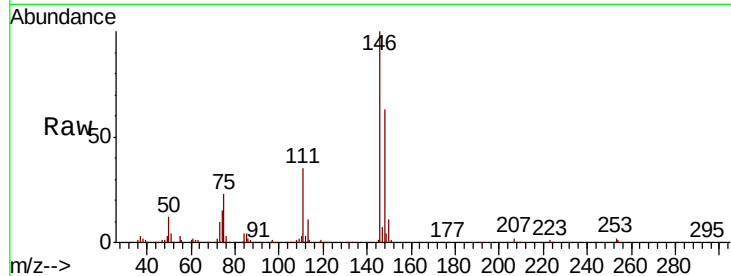
#87
 1,3-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	63.8	31.9	95.9

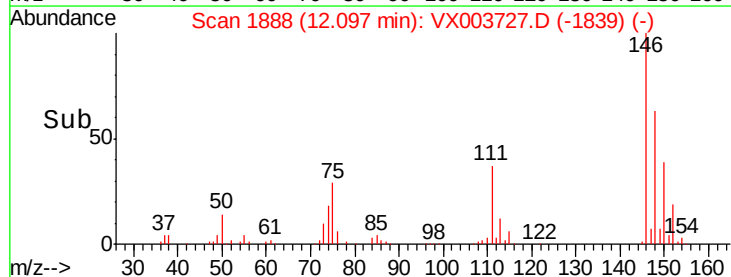
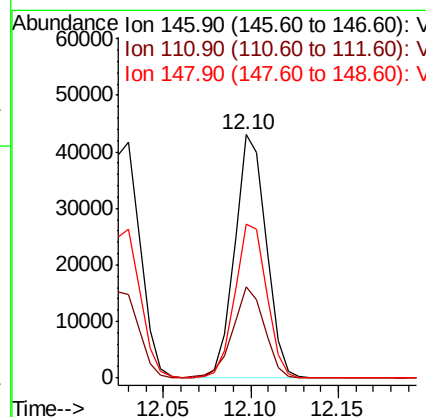
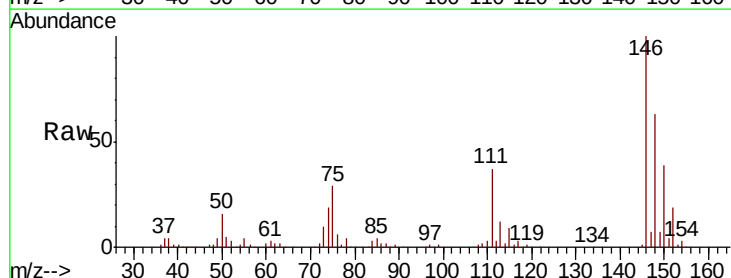
Manual Integrations
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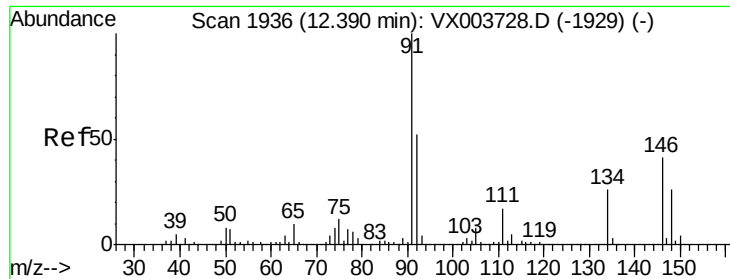
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.3	54.9
148	64.4	32.0	96.2





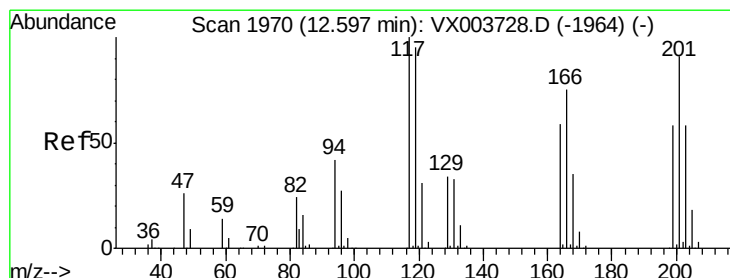
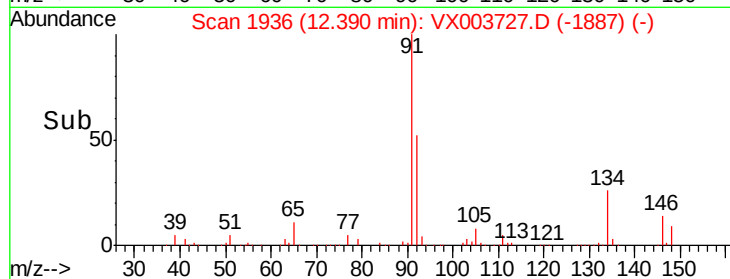
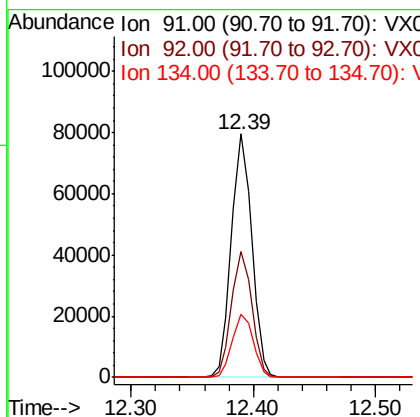
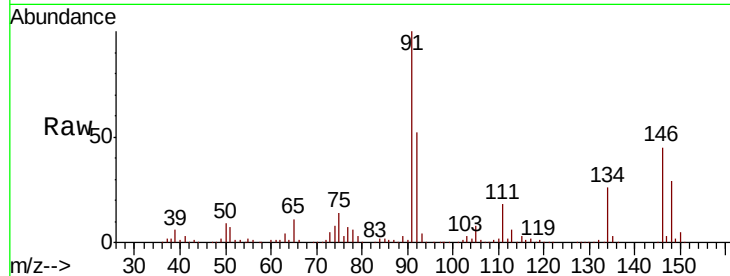
#89
n-Butylbenzene
Concen: 19.79 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	26.6	13.6	40.7

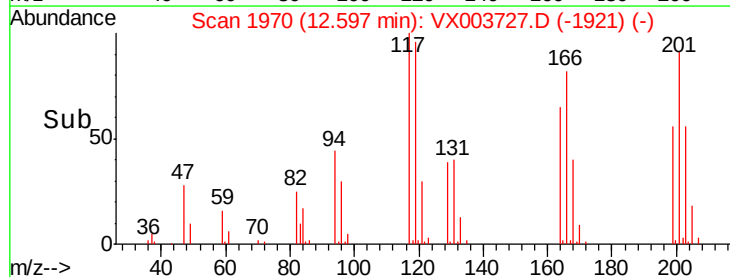
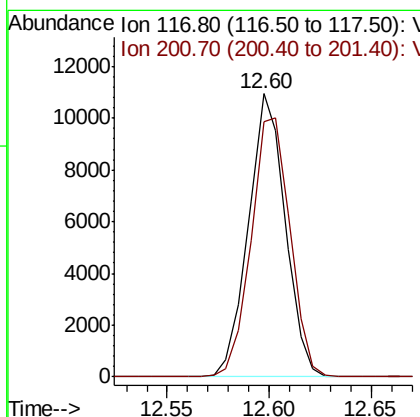
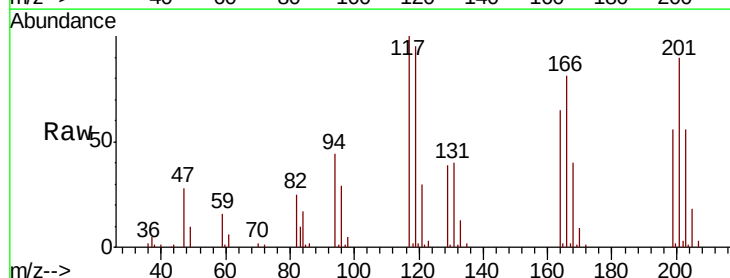
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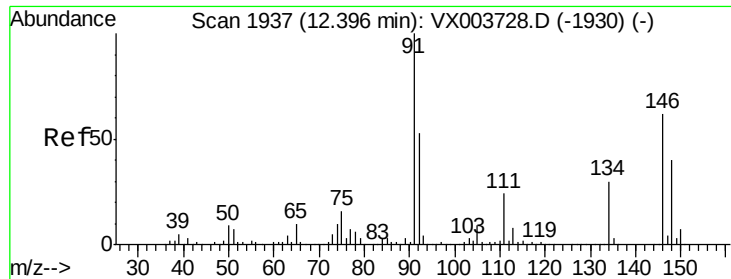
MMDadoda
8/1/2018 10:40:04 AM



#90
Hexachloroethane
Concen: 18.97 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003727.D
Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	49.3	147.8





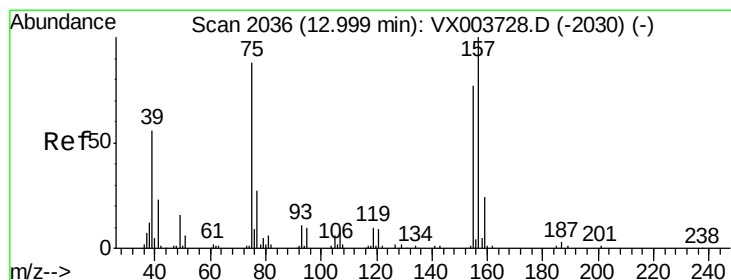
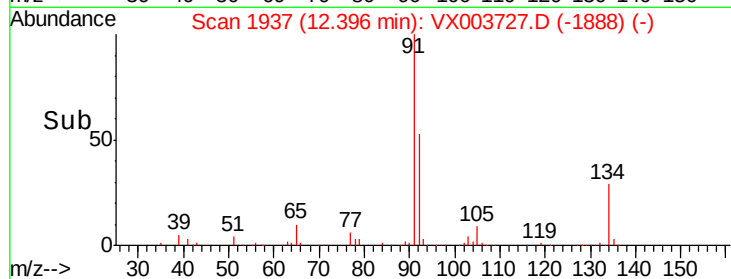
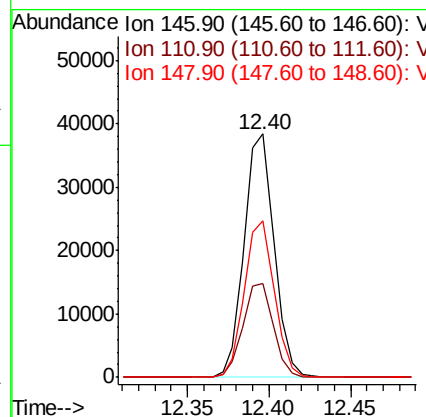
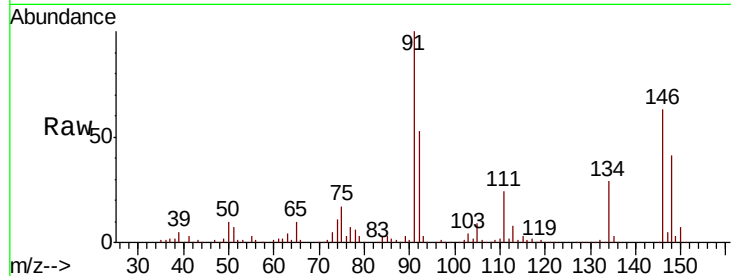
#91
 1,2-Dichlorobenzene
 Concen: 20.24 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.4
148	64.3	32.0	96.0

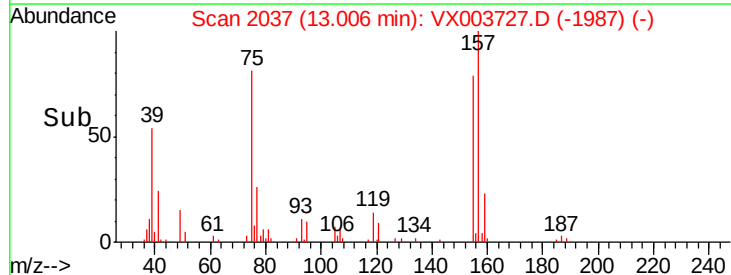
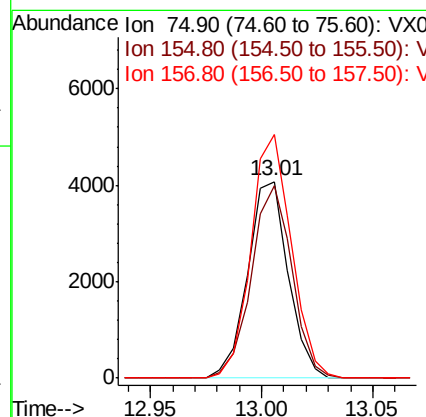
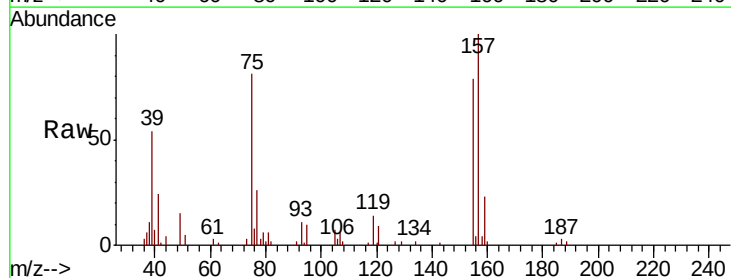
Manual Integrations
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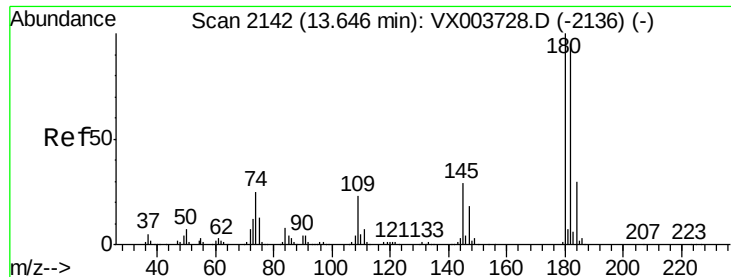
MMDadoda
 8/1/2018 10:40:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.25 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	48.9	146.7
157	122.9	63.7	191.1





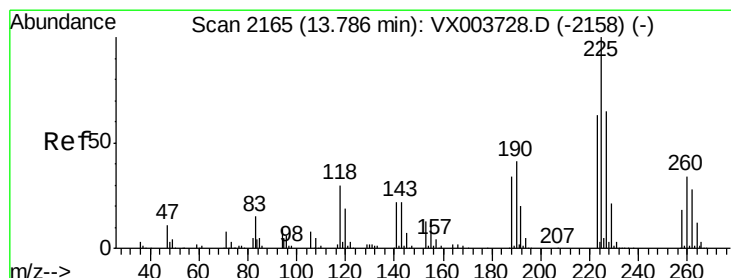
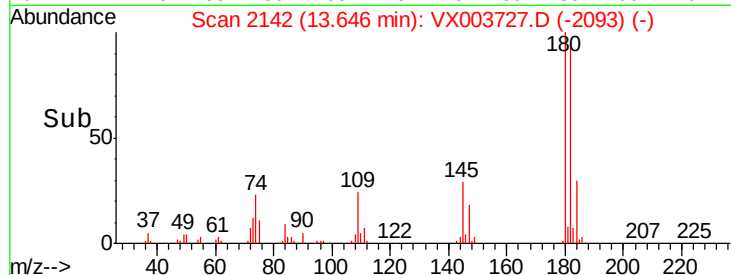
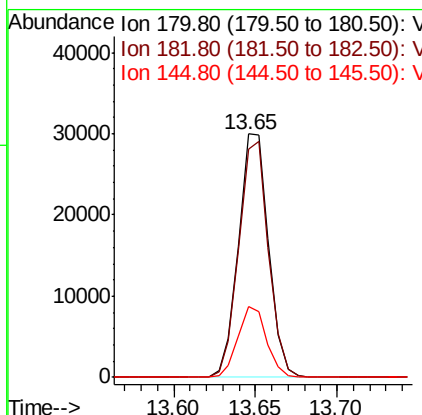
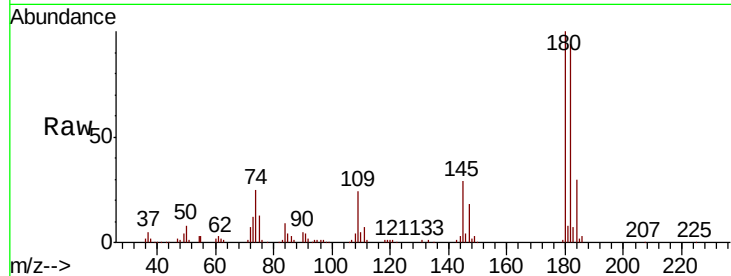
#93
 1,2,4-Trichlorobenzene
 Concen: 19.90 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.9
145	27.9	14.1	42.2

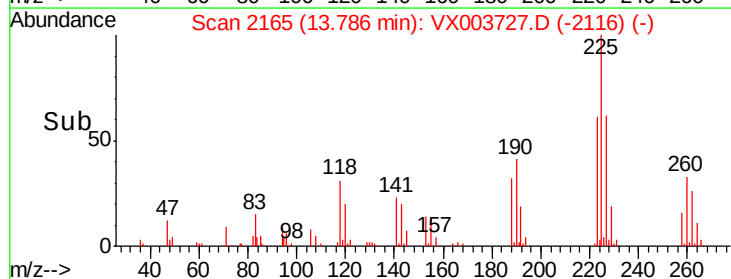
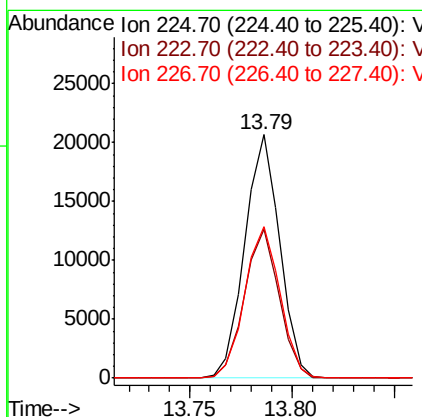
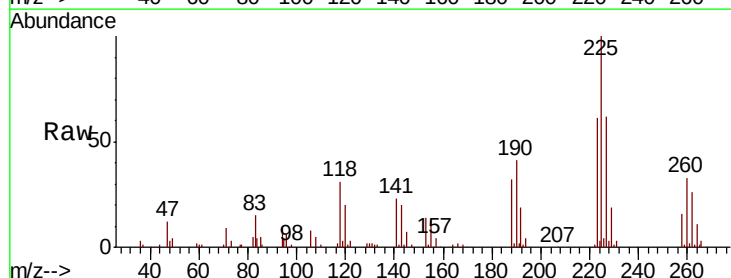
Manual Integrations
 APPROVED

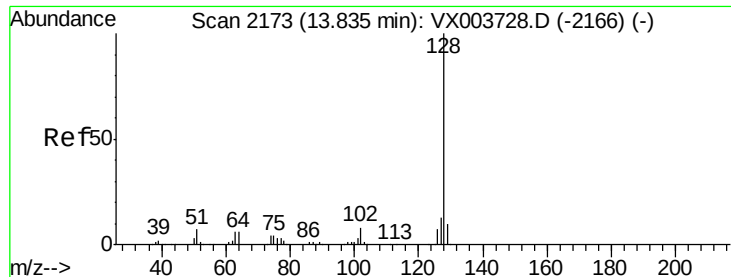
MMDadoda
 8/1/2018 10:40:04 AM



#94
 Hexachlorobutadiene
 Concen: 19.91 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003727.D
 Acq: 30 Jul 2018 16:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.1	93.5
227	63.1	31.9	95.9





#95

Naphthalene

Concen: 20.26 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Instrument :

MSVOA_X

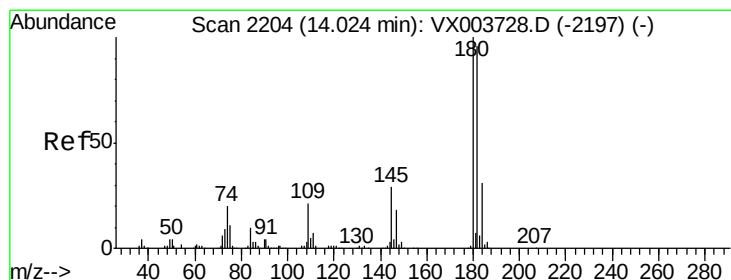
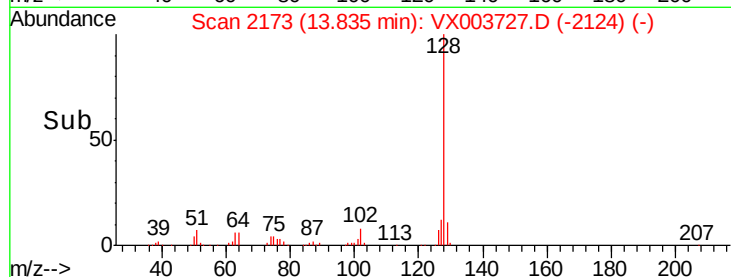
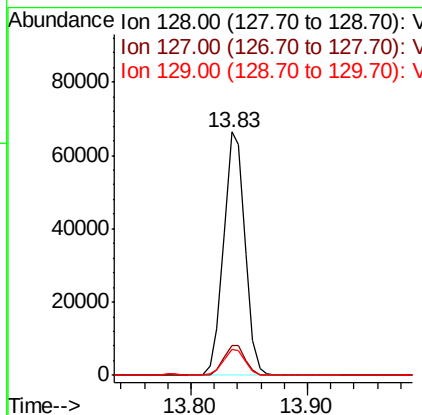
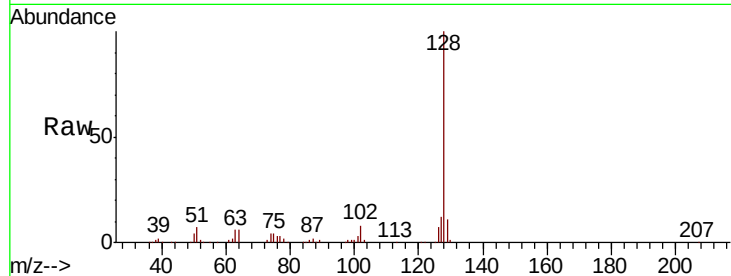
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	83831
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/1/2018 10:40:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.32 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003727.D

Acq: 30 Jul 2018 16:50

Tgt Ion:	180	Resp:	35707
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.8
145	29.0	14.7	44.1

