

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003819.D
 Acq On : 02 Aug 2018 12:03
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:48:13 AM

Quant Time: Aug 03 03:25:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	23354	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	111823	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	105040	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	46739	27.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	90.87%
60) 4-Bromofluorobenzene	11.14	95	50968	30.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.47%
63) Toluene-d8	8.71	98	140674	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	32457	26.31	ug/l	95
3) Chloromethane	1.32	50	40052	24.13	ug/l	94
4) Vinyl Chloride	1.40	62	30577	17.51	ug/l	99
5) Bromomethane	1.64	94	16273	15.59	ug/l	91
6) Chloroethane	1.72	64	19303	16.89	ug/l	98
7) Trichlorofluoromethane	1.93	101	40997	17.46	ug/l	92
8) Diethyl Ether	2.19	74	16854	16.74	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	25099	17.63	ug/l	98
10) 1,1-Dichloroethene	2.37	96	24450	18.26	ug/l	82
11) Methyl Iodide	2.51	142	25747	13.87	ug/l	90
12) Methyl Acetate	3.21	43	14919	6.02	ug/l	91
13) Acrolein	2.29	56	22782	117.90	ug/l	97
14) Acrylonitrile	3.15	53	77131	79.01	ug/l	98
15) Acetone	2.45	58	22843	86.23	ug/l	91
16) Carbon Disulfide	2.57	76	64915	17.46	ug/l	97
17) Allyl chloride	2.73	41	44545	16.08	ug/l	88
18) Methylene Chloride	2.86	84	28868	18.20	ug/l	90
19) trans-1,2-Dichloroethene	3.17	96	24361	16.83	ug/l	88
20) Diisopropyl ether	3.87	45	84388	16.58	ug/l #	95
21) 1,1-Dichloroethane	3.70	63	48420	16.81	ug/l	99
22) cis-1,2-Dichloroethene	4.59	96	29988	20.52	ug/l #	76
23) tert-Butyl Alcohol	3.07	59	32406	79.03	ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	81248	16.92	ug/l #	89
25) Chloroform	5.21	83	48306	19.36	ug/l	98
26) Cyclohexane	5.57	56	41623	19.23	ug/l #	95
29) 1,1-Dichloropropene	5.79	75	34275	20.76	ug/l	96
30) 2-Butanone	4.70	43	109735	104.06	ug/l	93
31) 2,2-Dichloropropane	4.57	77	36419	22.77	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	38915	20.60	ug/l	100
33) Carbon Tetrachloride	5.78	117	34602	21.08	ug/l	92
34) Benzene	6.14	78	106864	21.06	ug/l #	92
35) Methacrylonitrile	5.06	41	23245	21.21	ug/l	90
36) 1,2-Dichloroethane	6.20	62	35645	19.55	ug/l	96
37) Trichloroethene	7.21	130	26622	20.13	ug/l	90
38) Methylcyclohexane	7.46	83	36807	19.62	ug/l	98
39) 1,2-Dichloropropane	7.52	63	26603	19.84	ug/l	99
40) Dibromomethane	7.67	93	17338	19.98	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	31959	19.28	ug/l	99
42) Vinyl Acetate	3.82	43	340393	84.01	ug/l	99
43) Ethyl Acetate	4.86	43	42199	21.42	ug/l	95
44) Isopropyl Acetate	6.46	43	56653	18.75	ug/l	93
45) 1,4-Dioxane	7.76	88	12949	385.93	ug/l #	85
46) Methyl methacrylate	7.78	41	29706	19.06	ug/l	86
47) n-amyl Acetate	10.90	43	50117	17.57	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	40022	19.90	ug/l	100
49) cis-1,3-Dichloropropene	9.04	75	36356	19.26	ug/l	91
50) 1,1,2-Trichloroethane	9.22	97	26590	19.31	ug/l	97
51) Ethyl methacrylate	9.18	69	37318	17.99	ug/l	83
52) 1,3-Dichloropropane	9.37	76	43967	19.18	ug/l	99
53) Dibromochloromethane	9.59	129	26320	19.45	ug/l	99
54) 1,2-Dibromoethane	9.67	107	27747	19.26	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	98461	92.05	ug/l	99
56) Bromoform	10.86	173	20069	19.12	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	192090	96.85	ug/l	93
59) 2-Hexanone	9.50	43	146096	92.51	ug/l	93
61) Tetrachloroethene	9.34	164	25350	20.74	ug/l	99
62) Toluene	8.79	91	109150	20.02	ug/l	99
64) Chlorobenzene	10.14	112	71230	20.22	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	25499	20.45	ug/l	98
66) Ethyl Benzene	10.25	91	117666	19.61	ug/l	98
67) m/p-Xylenes	10.36	106	93217	40.34	ug/l	97
68) o-Xylene	10.70	106	44438	20.10	ug/l	96
69) Styrene	10.71	104	74267	19.84	ug/l	97
70) Isopropylbenzene	11.02	105	119111	19.57	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	41654	19.17	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	37702m	20.86	ug/l	
73) Bromobenzene	11.26	156	33389	20.36	ug/l	96
74) n-propylbenzene	11.36	91	140227	19.56	ug/l	99
75) 2-Chlorotoluene	11.42	91	83806	19.83	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	101798	19.71	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	11995	19.48	ug/l	98
78) 4-Chlorotoluene	11.51	91	97700	19.76	ug/l	98
79) tert-butylbenzene	12.07	119	106224	19.99	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	104546	19.78	ug/l	97
81) sec-Butylbenzene	11.94	105	118961	19.78	ug/l	100
82) p-Isopropyltoluene	12.07	119	106224	19.99	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	62072	20.72	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	63203	20.96	ug/l	99
85) n-Butylbenzene	12.39	91	92447	19.60	ug/l	99
86) Hexachloroethane	12.60	117	15675	18.31	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	62224	20.69	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	8717	19.01	ug/l	93
89) 1,2,4-Trichlorobenzene	13.65	180	46287	21.92	ug/l	99
90) Hexachlorobutadiene	13.79	225	21310	22.26	ug/l	98
91) Naphthalene	13.83	128	134495	20.84	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	47273	21.99	ug/l	99

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QLast Update : Fri Jul 27 16:17:43 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

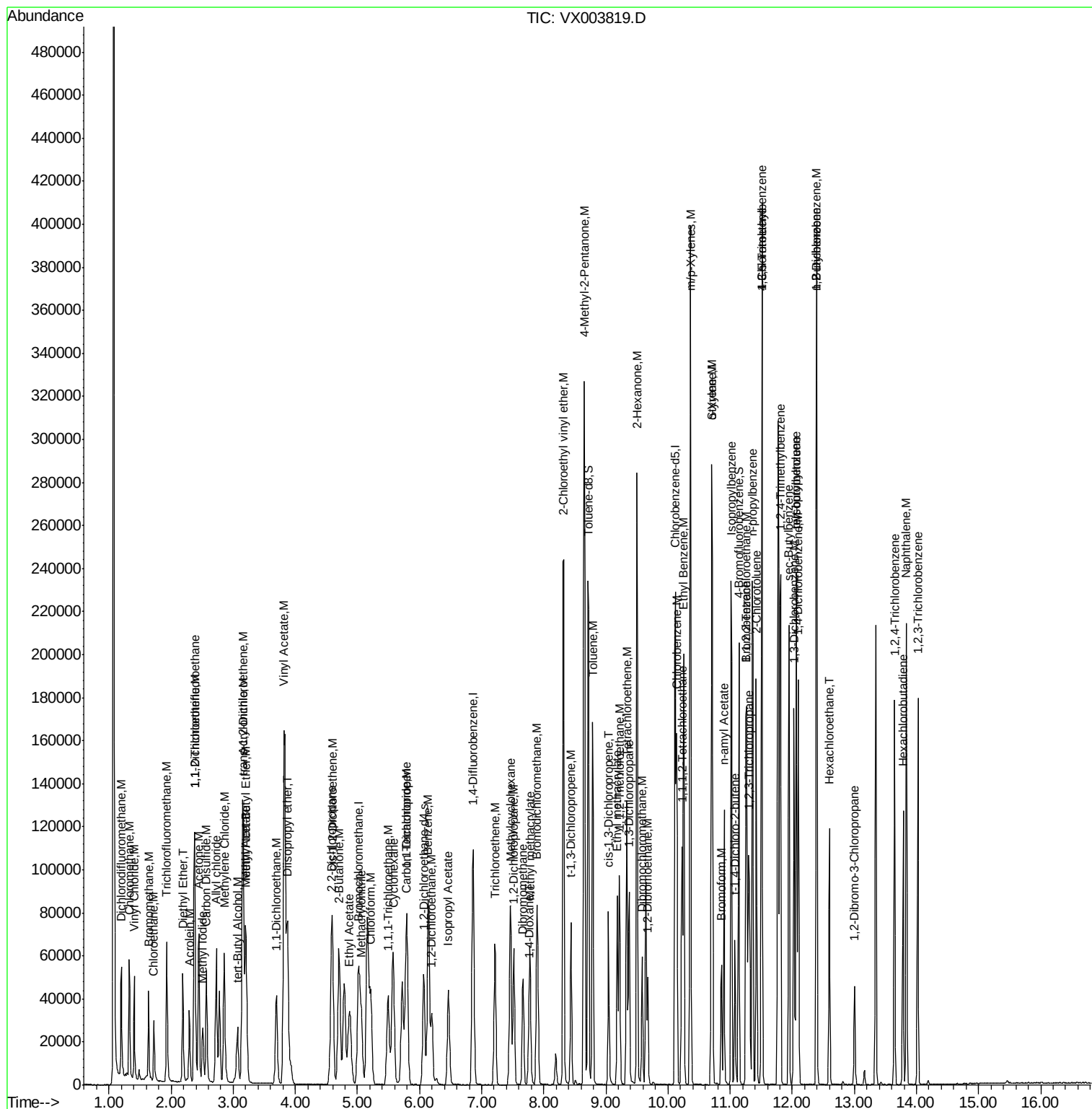
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080218\
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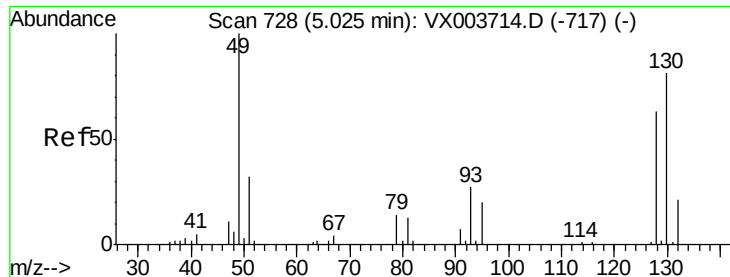
Instrument :
 MSVOA_X
 Client Sampled :
 VSTDCCC020

Manual Integrations
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

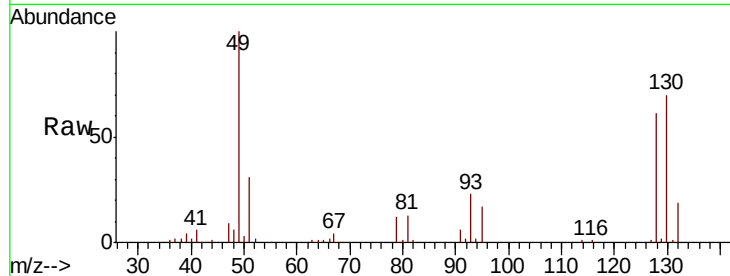
ClientSampleId :

VSTDCCC020

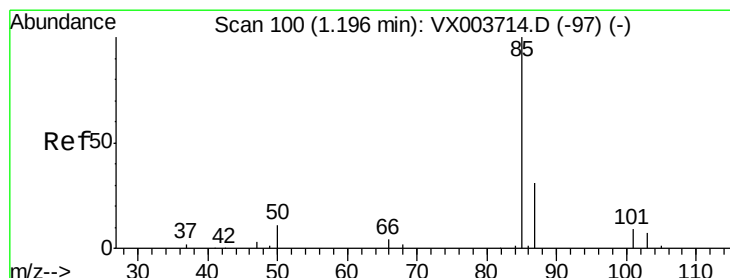
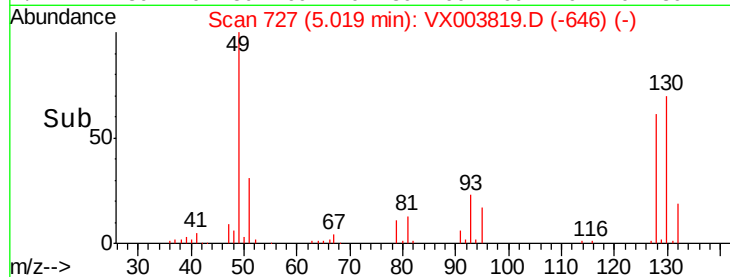
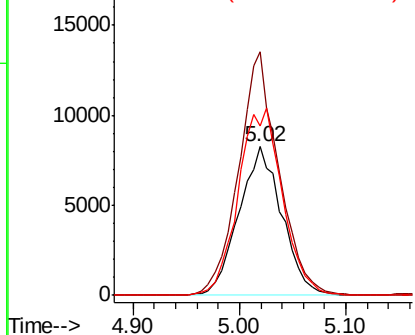
Tot Ion:	128	Resp:	23354
Ion	Ratio	Lower	Upper
128	100		
49	153.0	0.0	423.0
130	129.6	0.0	324.3

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 26.31 ug/l

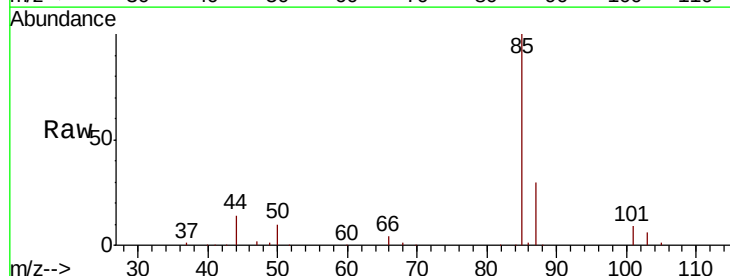
RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

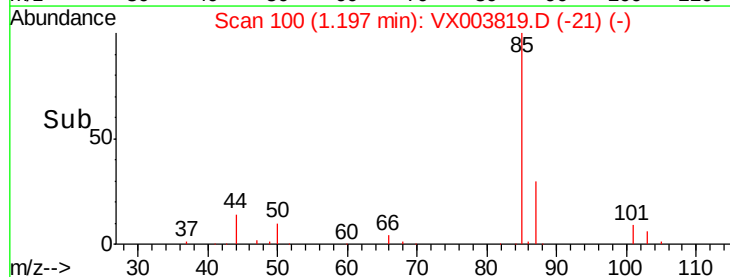
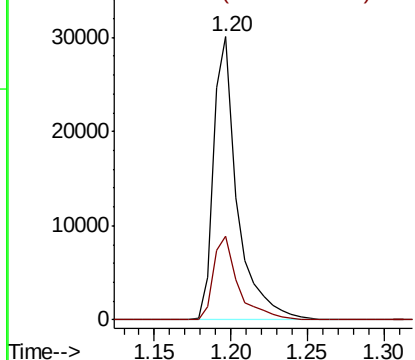
Lab File: VX003819.D

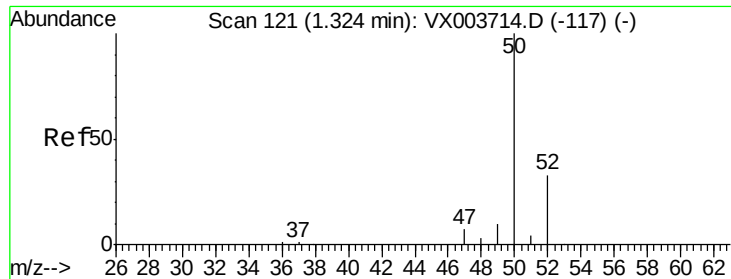
Acq: 02 Aug 2018 12:03

Tgt Ion:	85	Resp:	32457
Ion	Ratio	Lower	Upper
85	100		
87	29.7	16.2	48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 24.13 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 40052

Ion Ratio Lower Upper

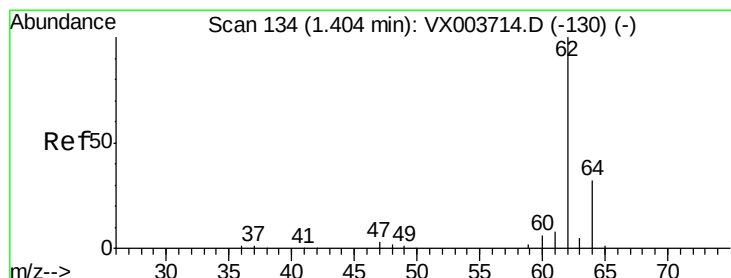
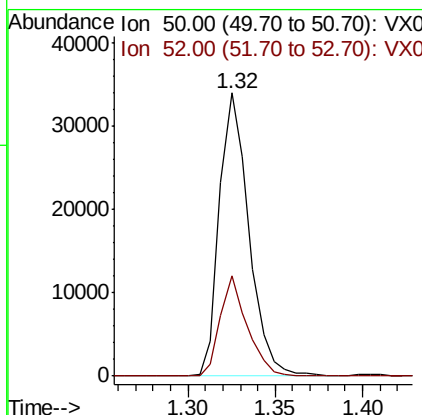
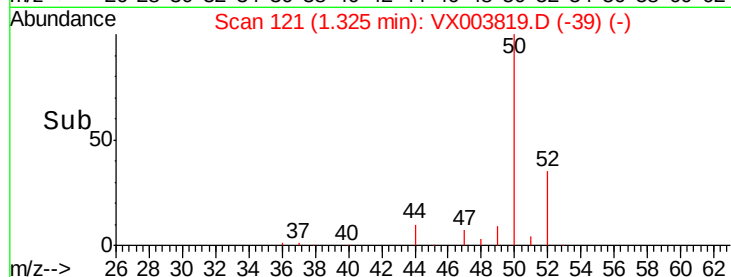
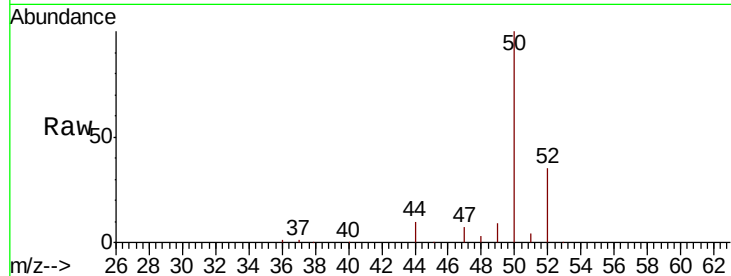
50 100

52 35.3 25.6 38.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.51 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003819.D

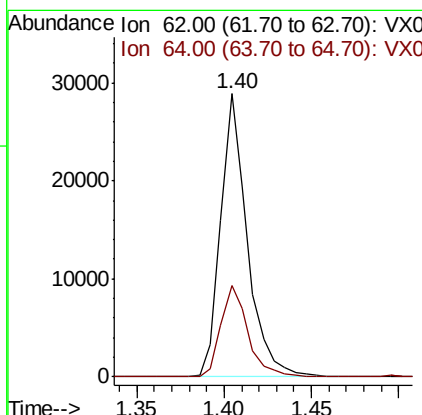
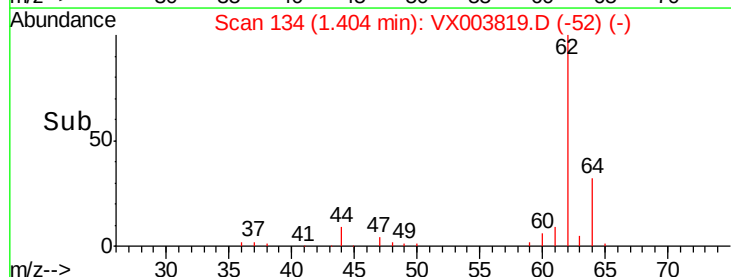
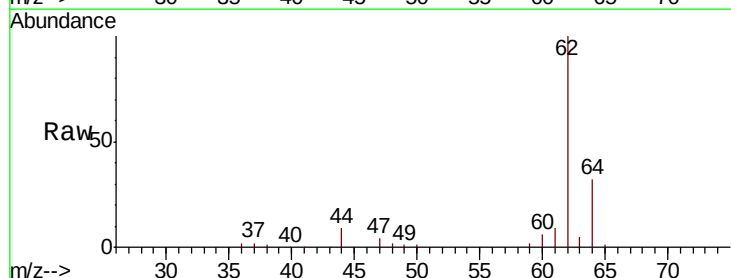
Acq: 02 Aug 2018 12:03

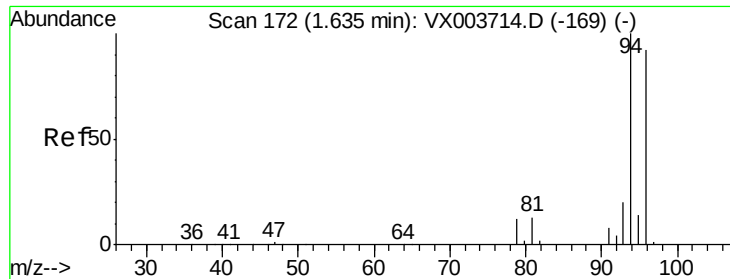
Tgt Ion: 62 Resp: 30577

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#5

Bromomethane

Concen: 15.59 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 16273

Ion Ratio Lower Upper

94 100

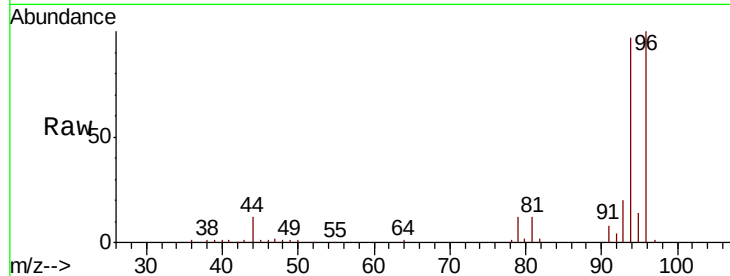
96 102.9 75.7 113.5

Manual Integrations

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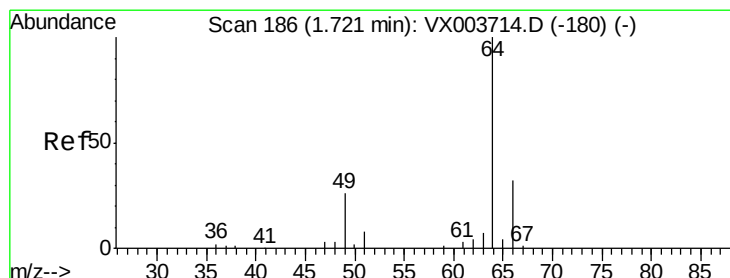
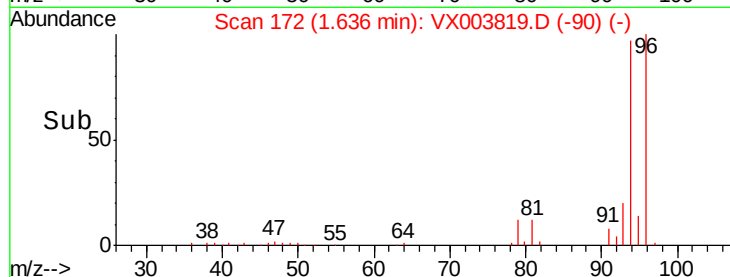
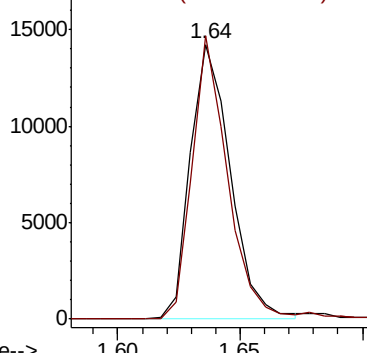
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 16.89 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003819.D

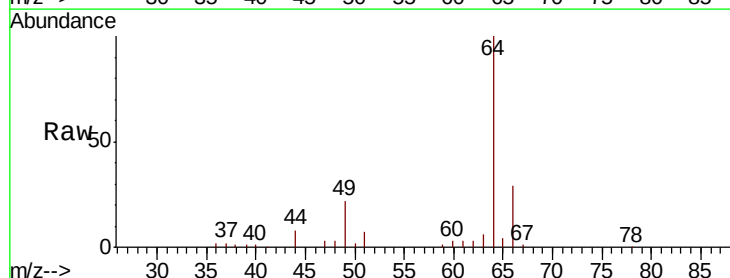
Acq: 02 Aug 2018 12:03

Tgt Ion: 64 Resp: 19303

Ion Ratio Lower Upper

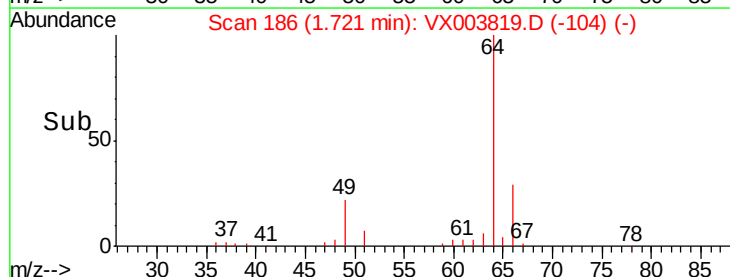
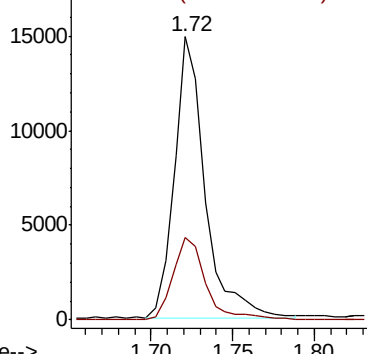
64 100

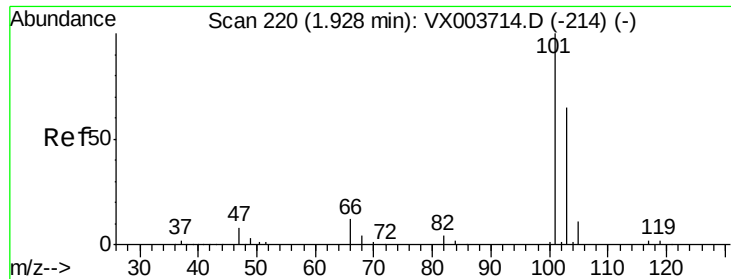
66 29.5 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

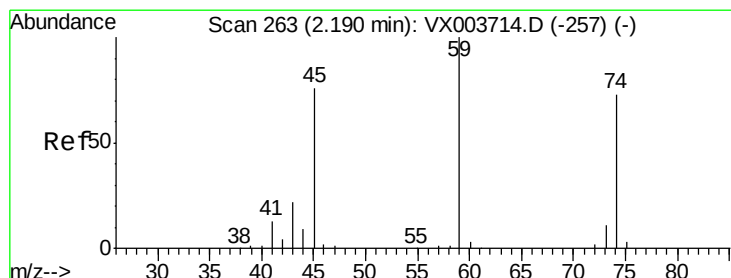
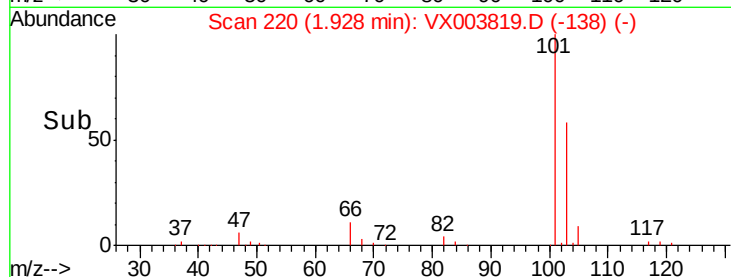
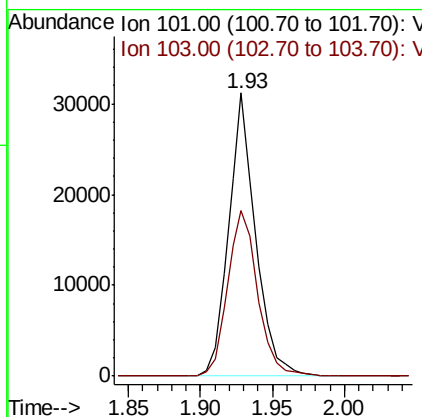
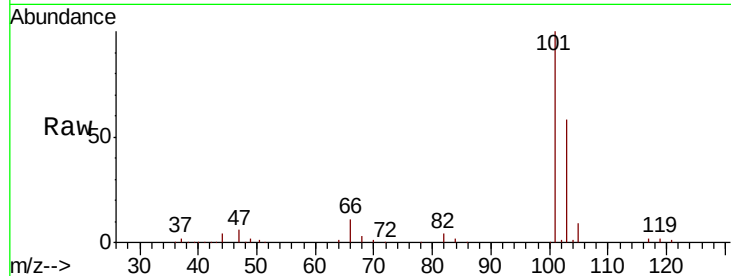
Trichlorofluoromethane
Concen: 17.46 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
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Tot Ion	Ratio	Lower	Upper
101	100		
103	58.3	51.5	77.3

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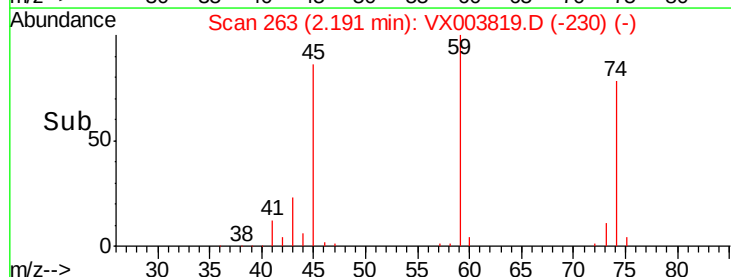
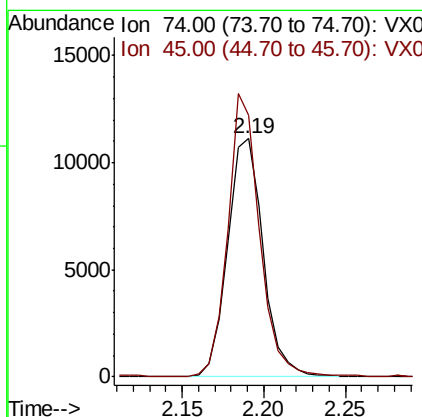
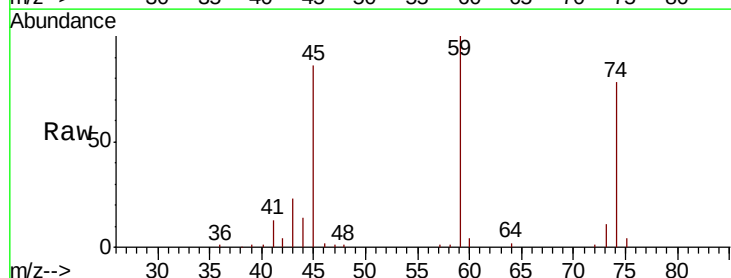
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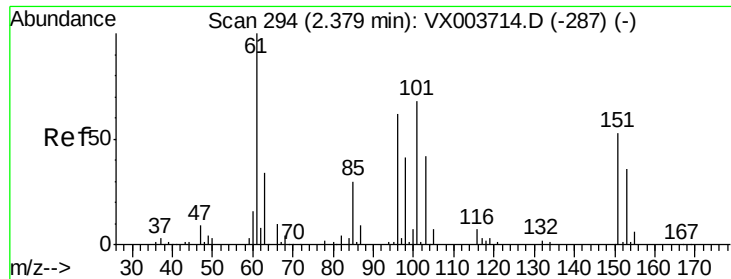


#8

Diethyl Ether
Concen: 16.74 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.3	20.5	184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.63 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

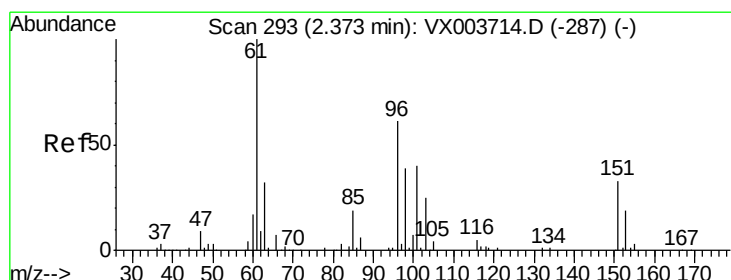
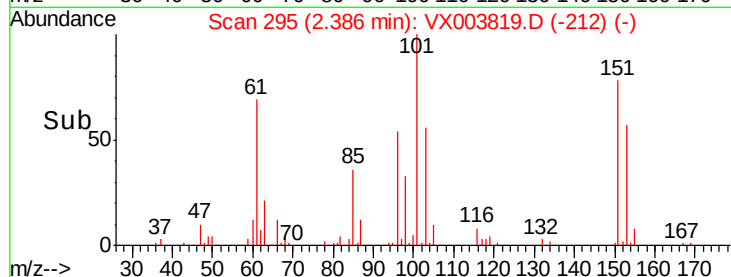
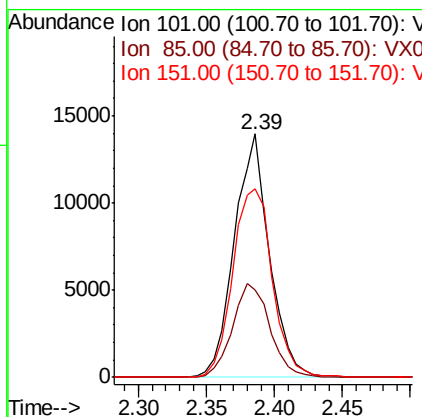
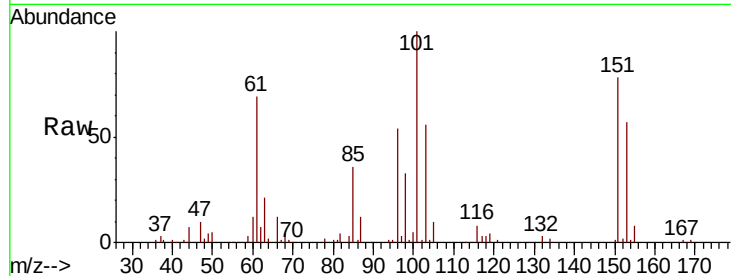
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	25099
Ion Ratio	Lower	Upper	
101	100		
85	40.9	0.0	87.0
151	87.2	0.0	177.6

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#10

1,1-Dichloroethene

Concen: 18.26 ug/l

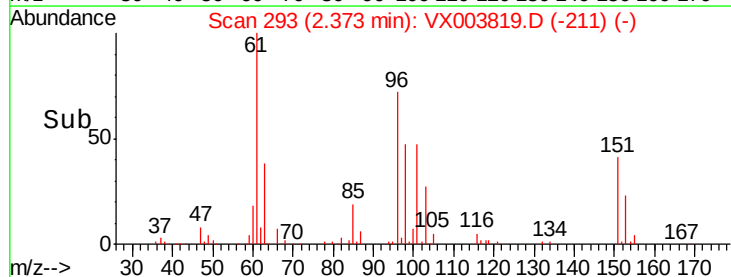
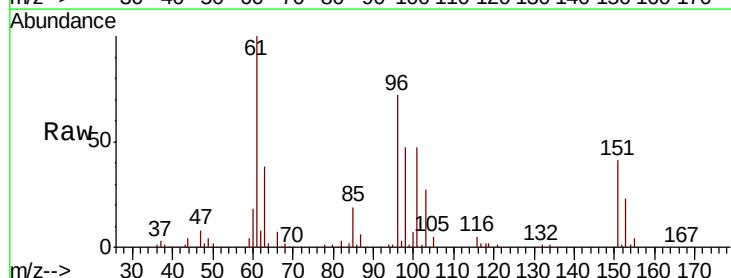
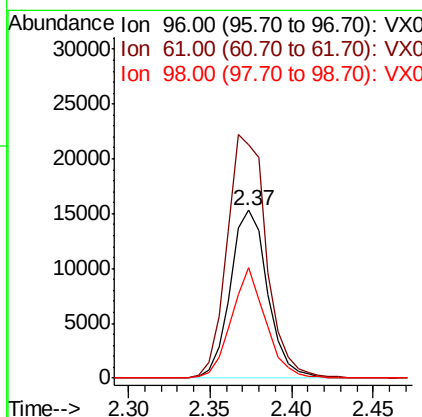
RT: 2.37 min Scan# 293

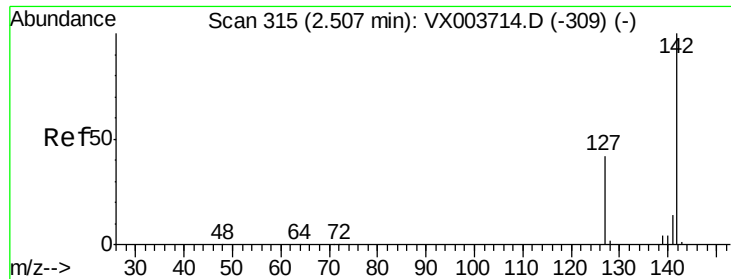
Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Tgt Ion:	96	Resp:	24450
Ion Ratio	Lower	Upper	
96	100		
61	139.2	137.5	206.3
98	65.8	51.4	77.2





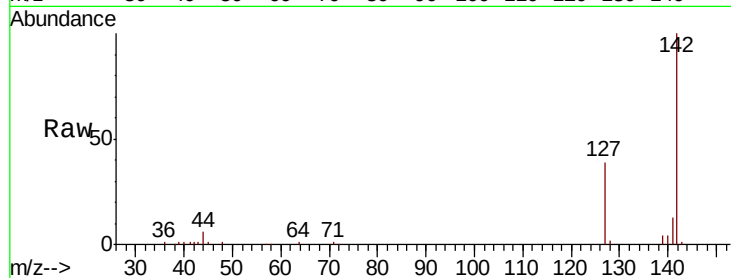
#11
Methyl Iodide
Concen: 13.87 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

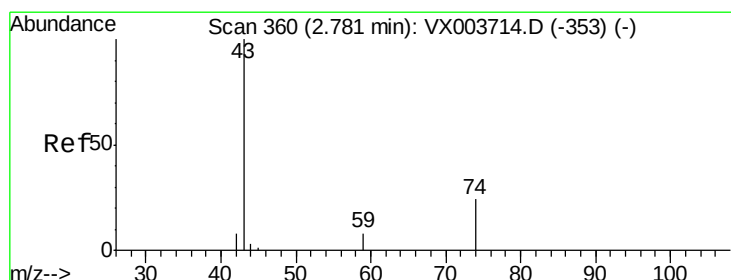
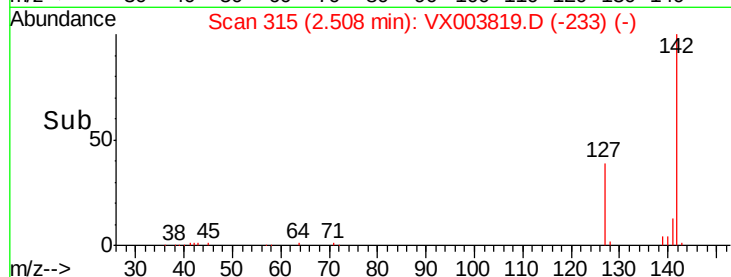
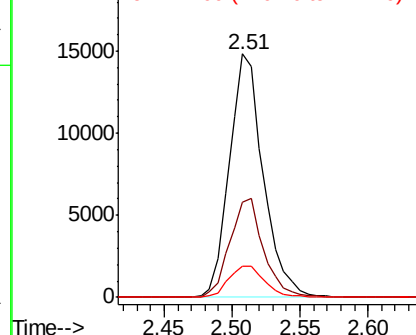
Tot Ion	Ratio	Lower	Upper
142	100		
127	39.0	23.2	69.6
141	13.1	7.4	22.2

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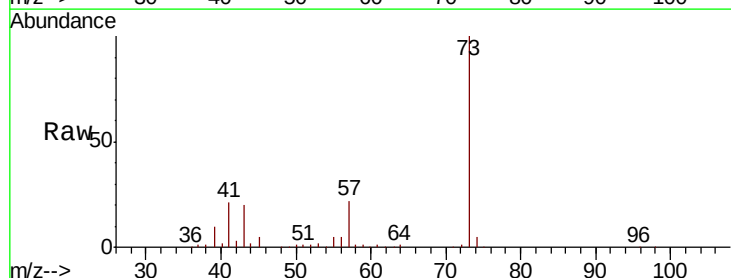


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

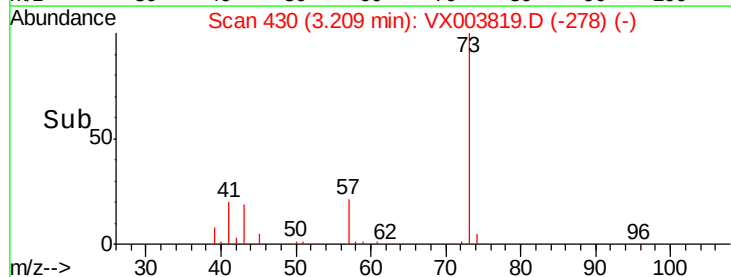
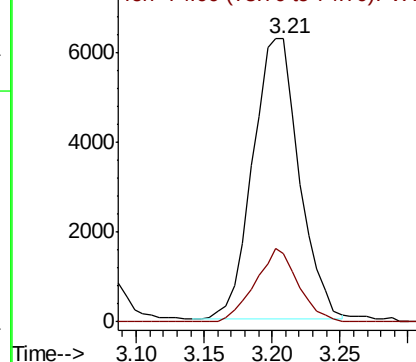


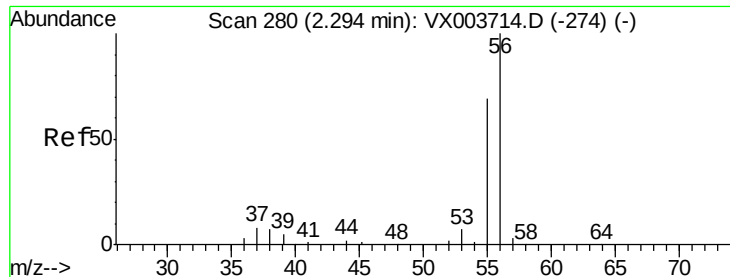
#12
Methyl Acetate
Concen: 6.02 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.43 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	16.4	24.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 117.90 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 22782

Ion Ratio Lower Upper

56 100

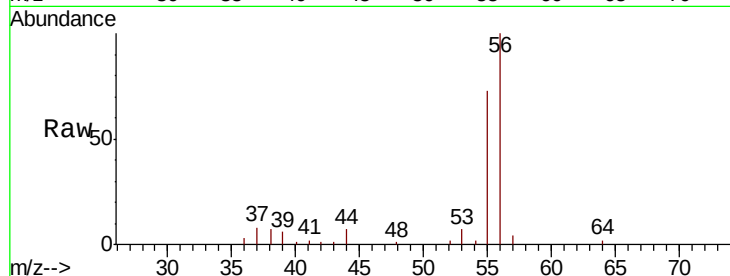
55 74.4 57.3 85.9

Manual Integrations

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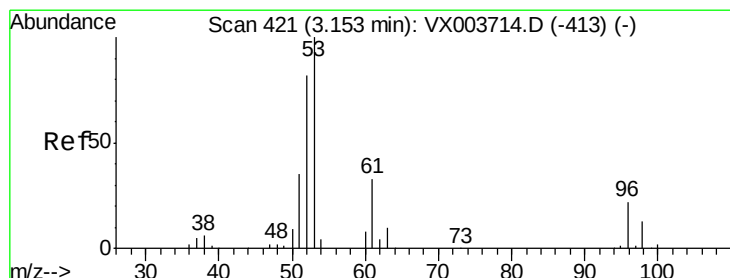
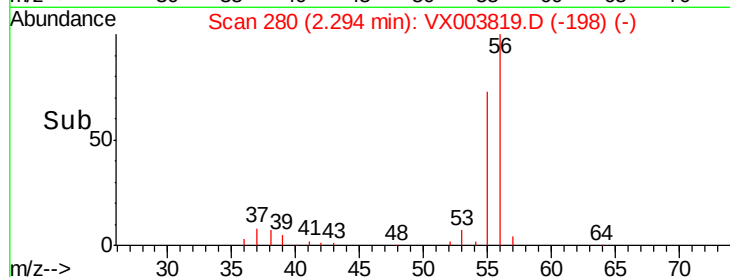
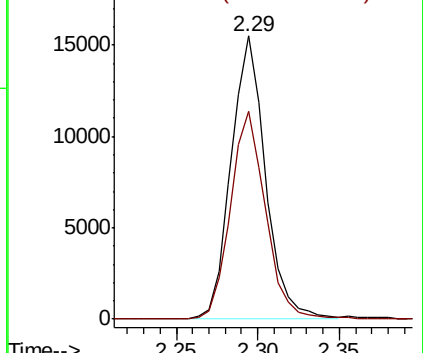
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 79.01 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

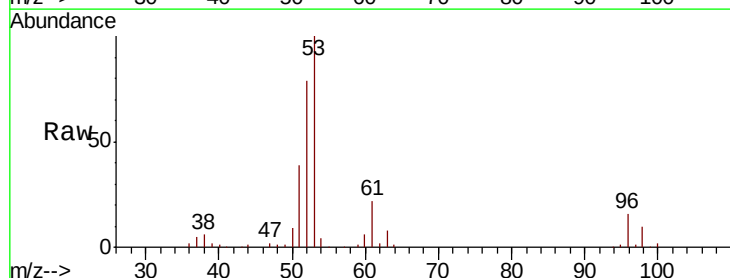
Tgt Ion: 53 Resp: 77131

Ion Ratio Lower Upper

53 100

52 83.4 41.5 124.6

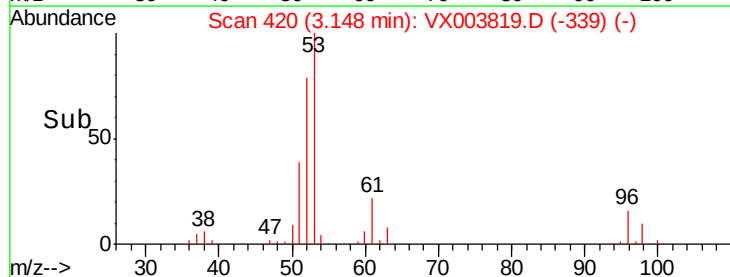
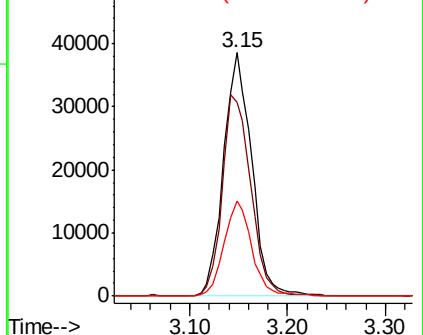
51 38.5 17.9 53.8

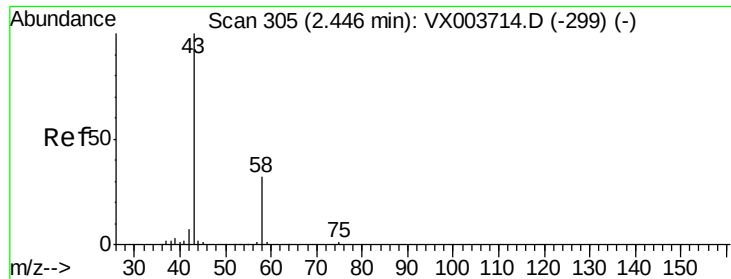


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 86.23 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 22843

Ion Ratio Lower Upper

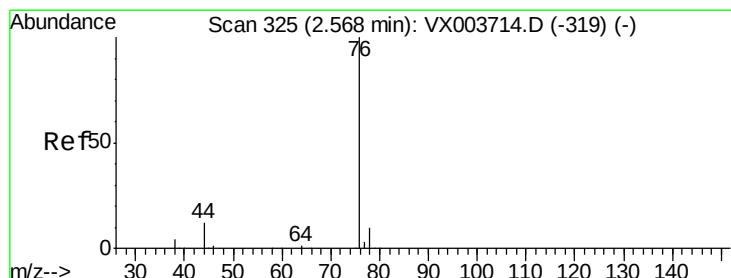
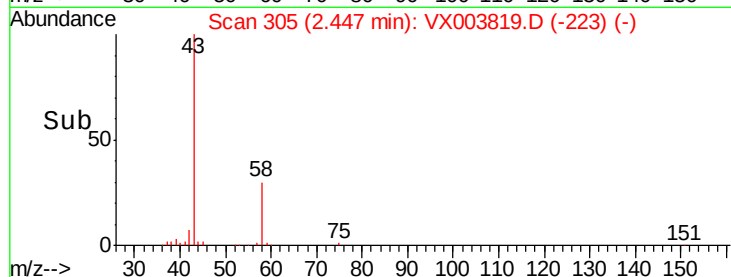
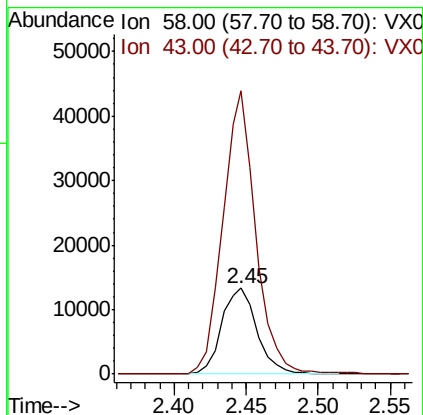
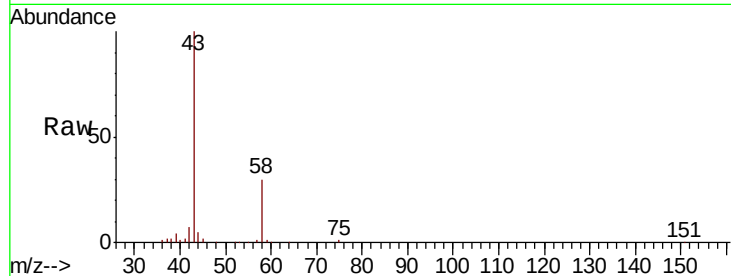
58 100

43 328.7 278.8 418.2

Manual Integrations
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#16

Carbon Disulfide

Concen: 17.46 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003819.D

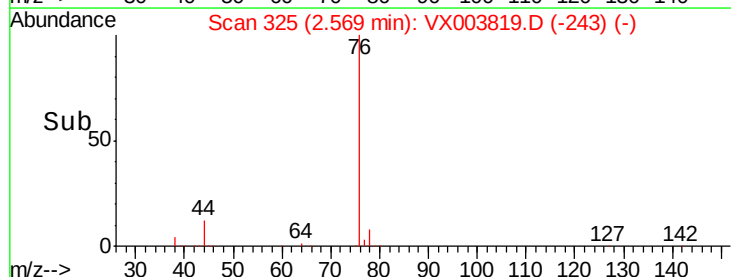
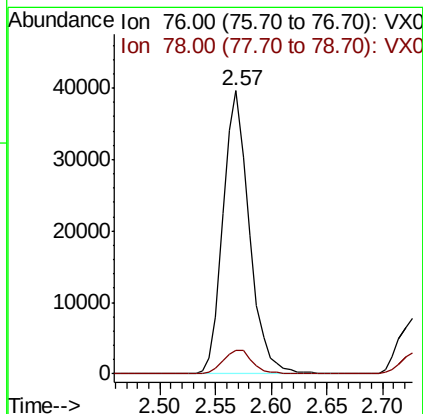
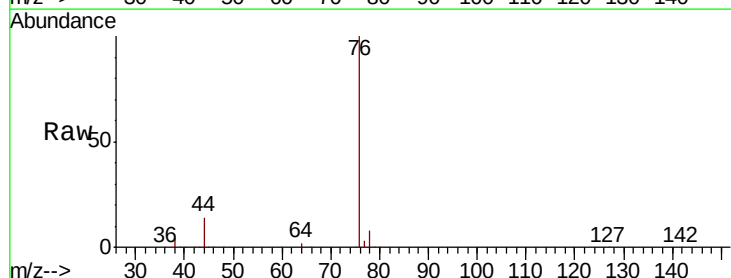
Acq: 02 Aug 2018 12:03

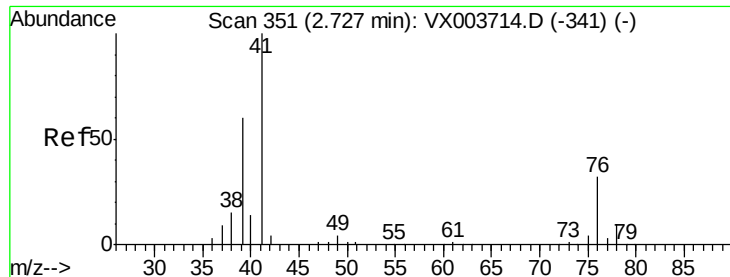
Tgt Ion: 76 Resp: 64915

Ion Ratio Lower Upper

76 100

78 8.2 7.4 11.0





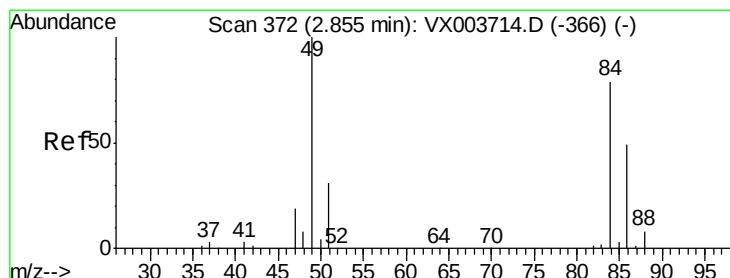
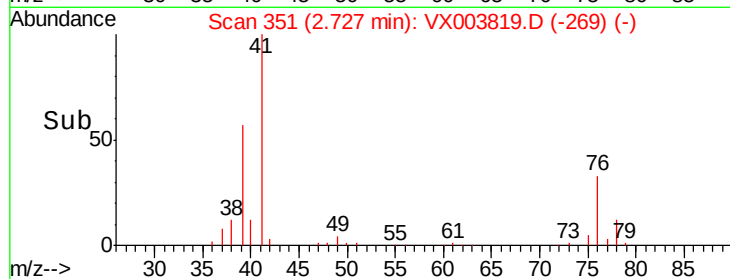
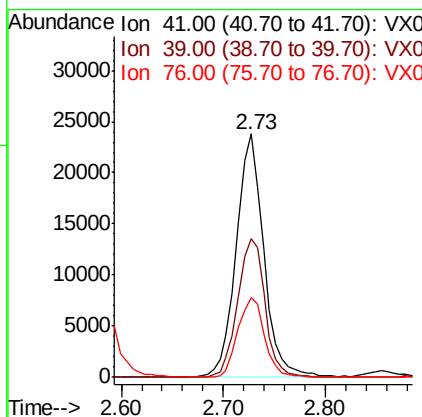
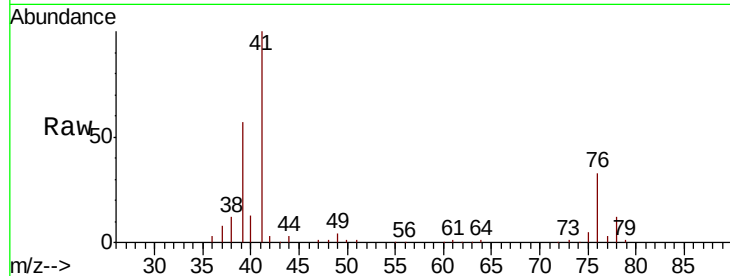
#17
Allvl chloride
Concen: 16.08 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	44545
Ion	Ratio	Lower	Upper
41	100		
39	56.7	34.6	103.8
76	32.8	15.0	45.1

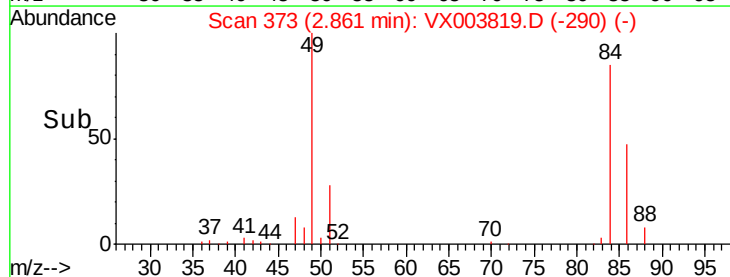
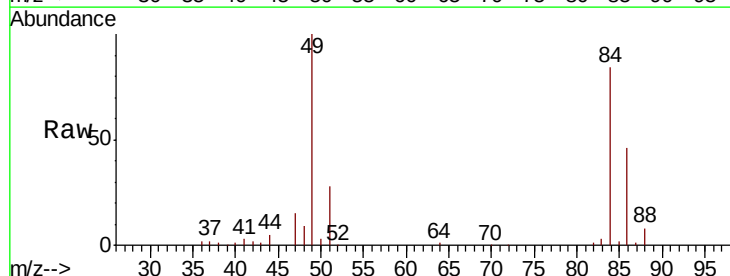
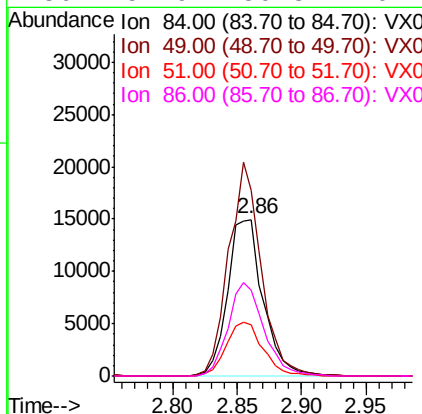
Manual Integrations
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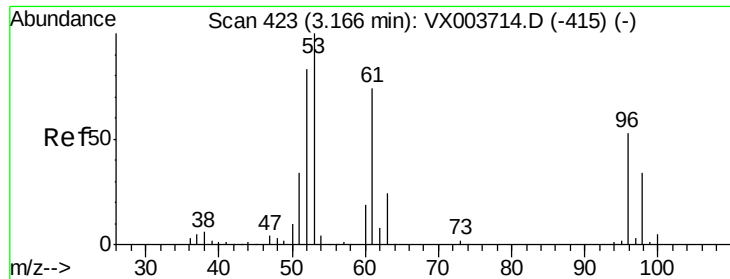
MMDadoda
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#18
Methylene Chloride
Concen: 18.20 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion:	84	Resp:	28868
Ion	Ratio	Lower	Upper
84	100		
49	118.6	104.7	157.1
51	33.0	31.0	46.4
86	54.9	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 16.83 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

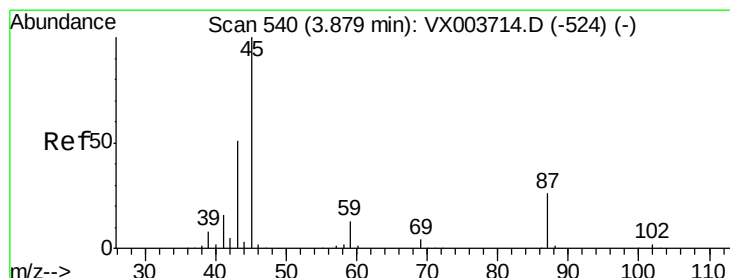
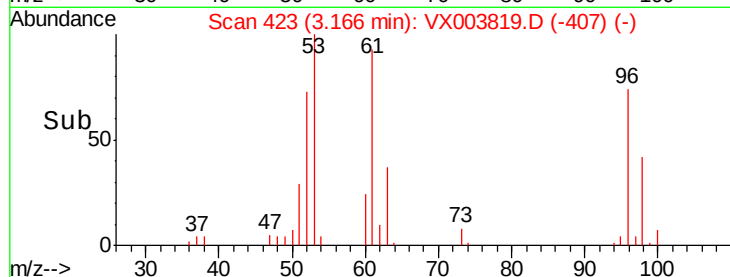
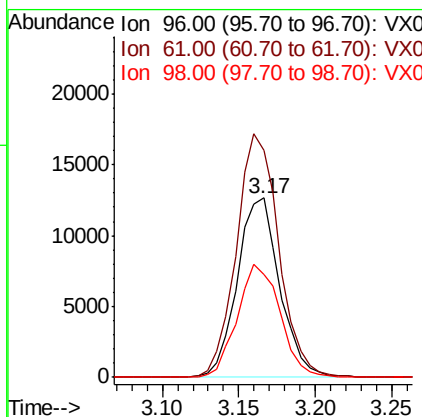
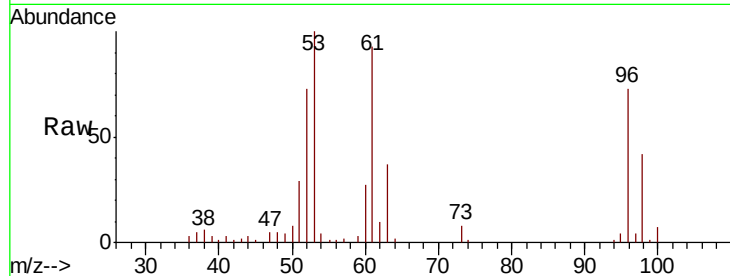
ClientSampleId :

VSTDCCC020

Tot Ion:	96	Resp:	24361
Ion	Ratio	Lower	Upper
96	100		
61	126.7	114.6	172.0
98	57.6	51.3	76.9

Manual Integrations
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#20

Diisopropyl ether

Concen: 16.58 ug/l

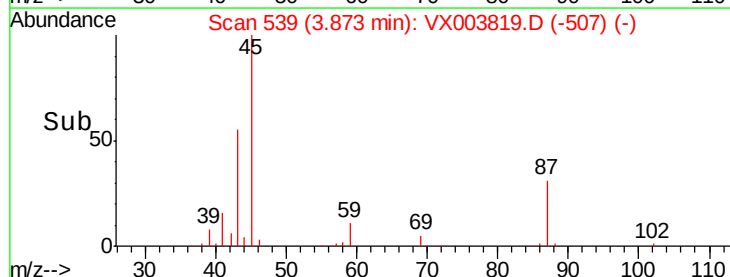
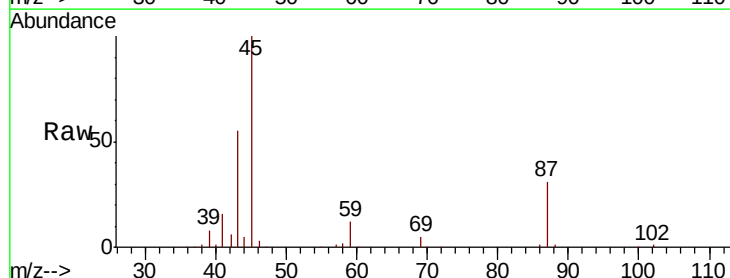
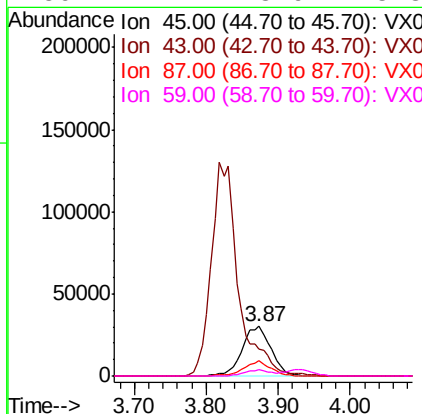
RT: 3.87 min Scan# 539

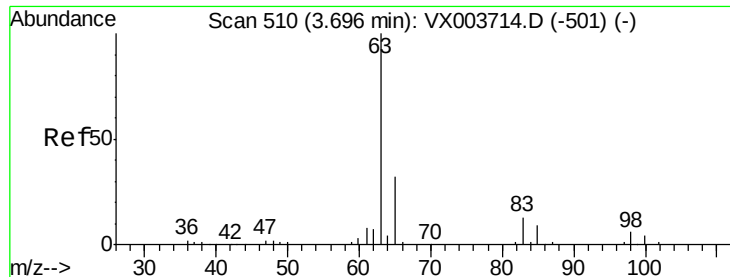
Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Tgt Ion:	45	Resp:	84388
Ion	Ratio	Lower	Upper
45	100		
43	54.7	45.6	68.4
87	31.2	20.7	31.1#
59	11.7	8.9	13.3





#21

1,1-Dichloroethane

Concen: 16.81 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

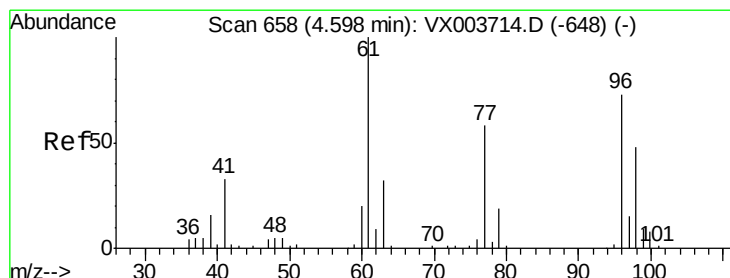
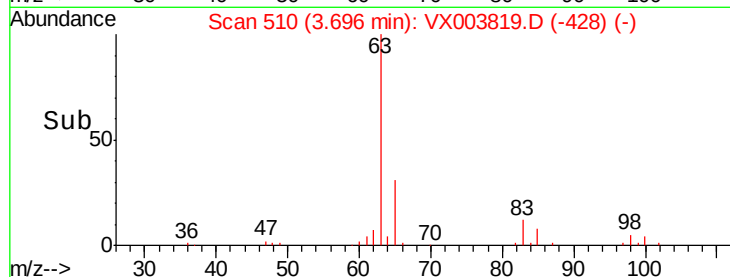
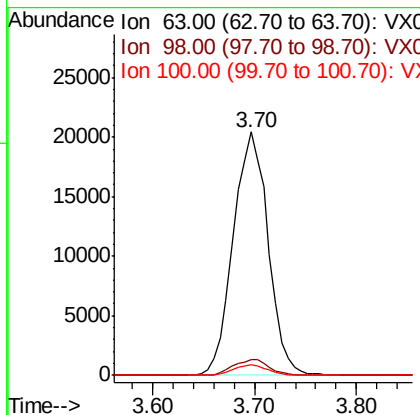
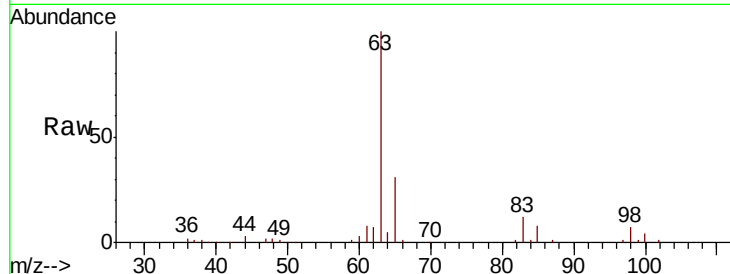
ClientSampled :

VSTDCCC020

Tot Ion:	63	Resp:	48420
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.1	9.3
100	4.3	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.52 ug/l

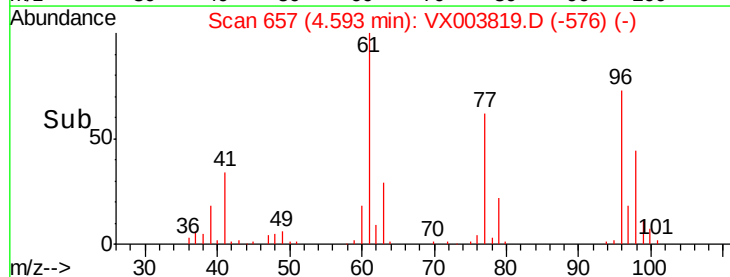
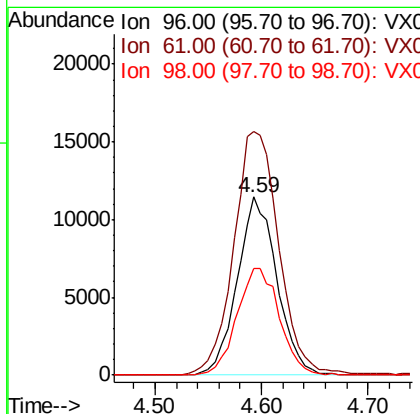
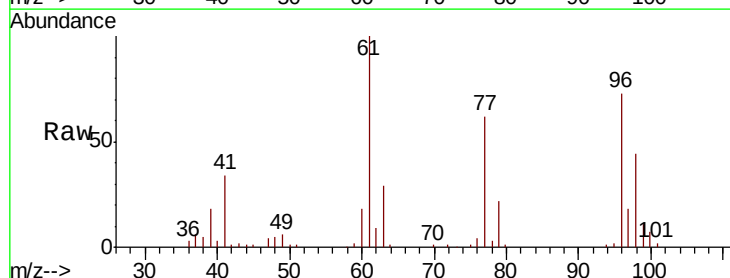
RT: 4.59 min Scan# 657

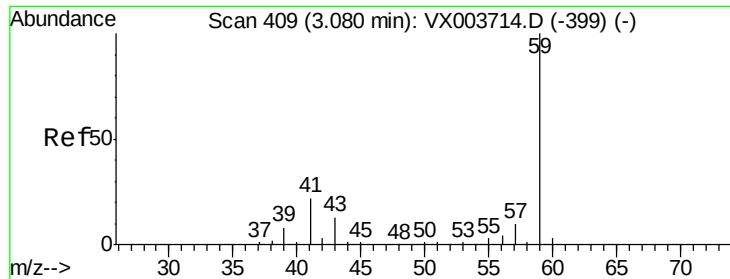
Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Tgt Ion:	96	Resp:	29988
Ion Ratio	Lower	Upper	
96	100		
61	155.0	160.2	240.2#
98	63.5	54.1	81.1





#23

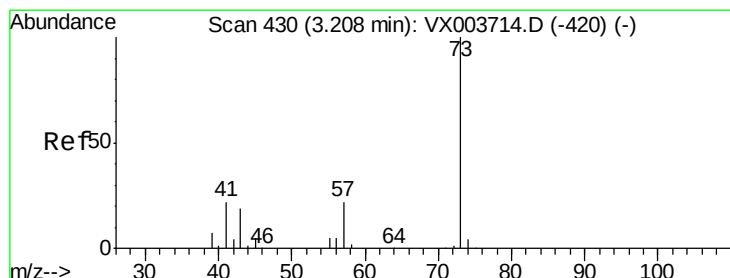
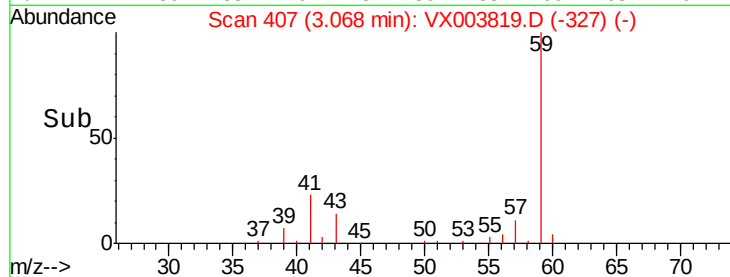
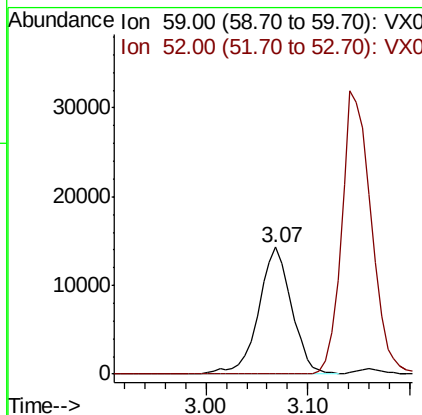
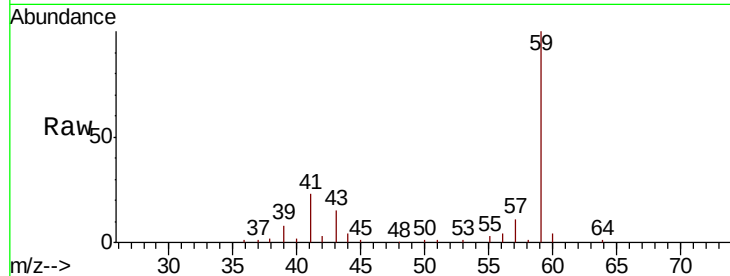
tert-Butyl Alcohol
Concen: 79.03 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 59 Resp: 32406
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2#

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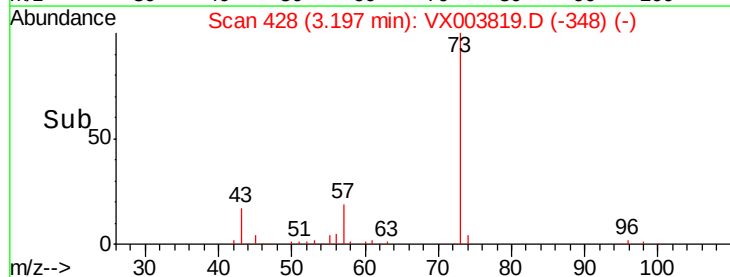
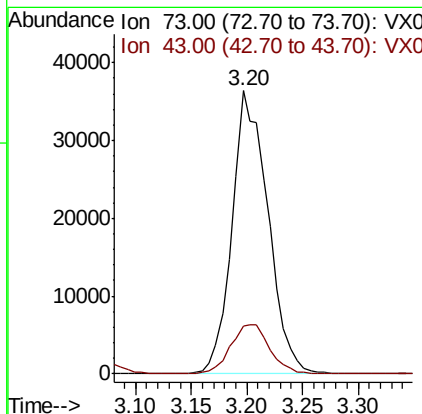
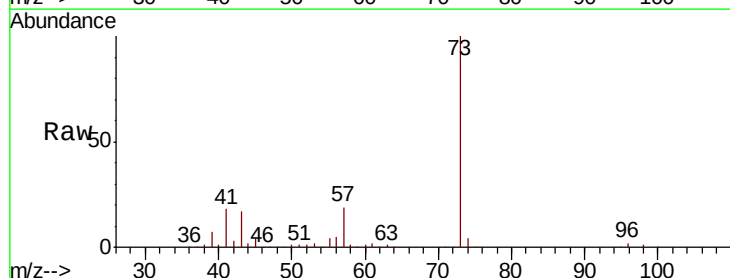
MMDadoda
8/3/2018 9:48:13 AM

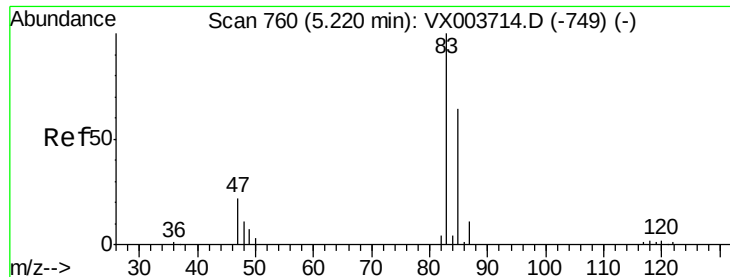


#24

Methyl tert-Butyl Ether
Concen: 16.92 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 73 Resp: 81248
Ion Ratio Lower Upper
73 100
43 18.4 19.0 28.4#





#25

Chloroform

Concen: 19.36 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 48306

Ion Ratio Lower Upper

83 100

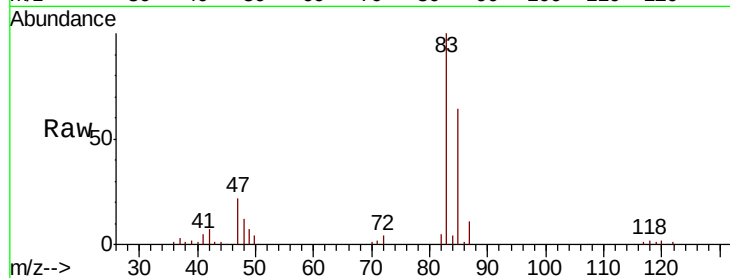
85 63.5 51.9 77.9

Manual Integrations

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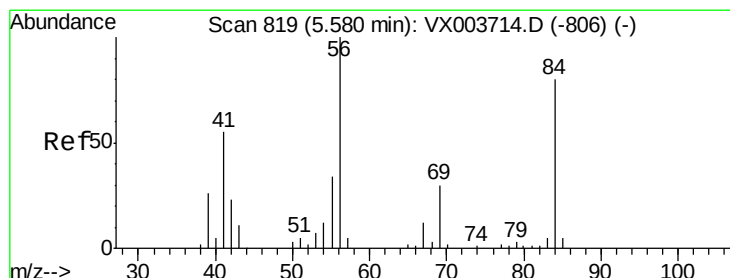
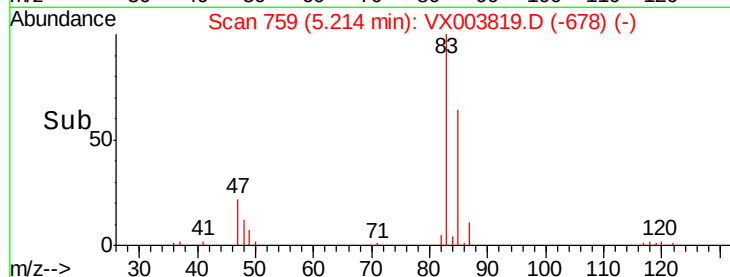
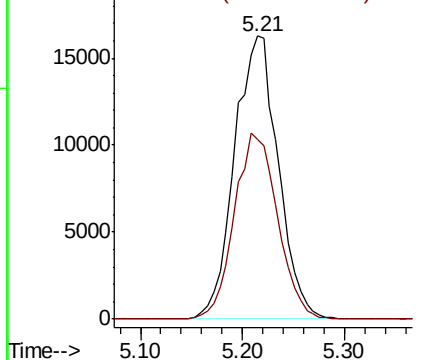
MMDadoda

8/3/2018 9:48:13 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 19.23 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

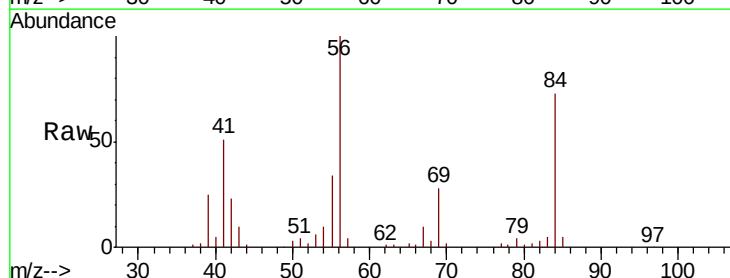
Tgt Ion: 56 Resp: 41623

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

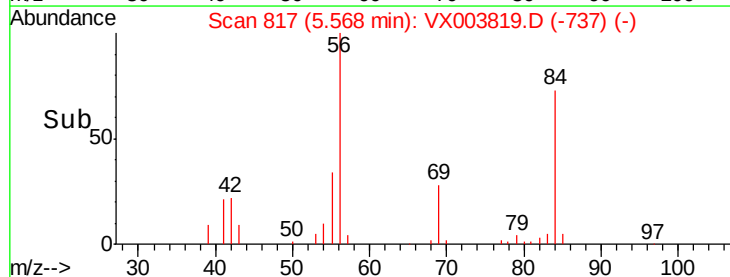
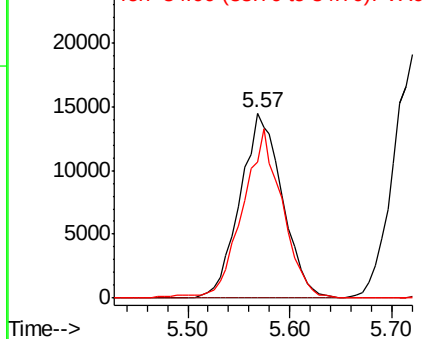
84 85.6 64.9 97.3

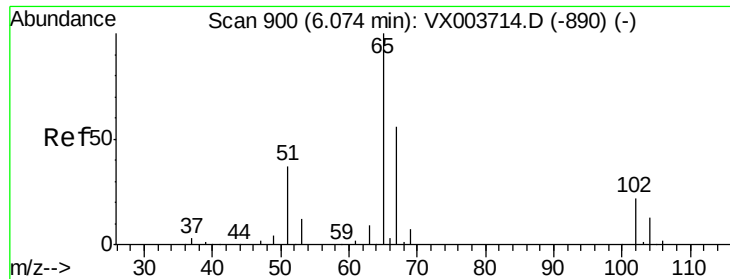


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 27.26 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 46739

Ion Ratio Lower Upper

65 100

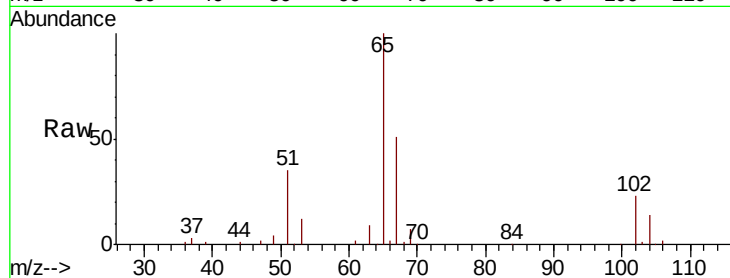
67 54.2 40.9 61.3

Manual Integrations

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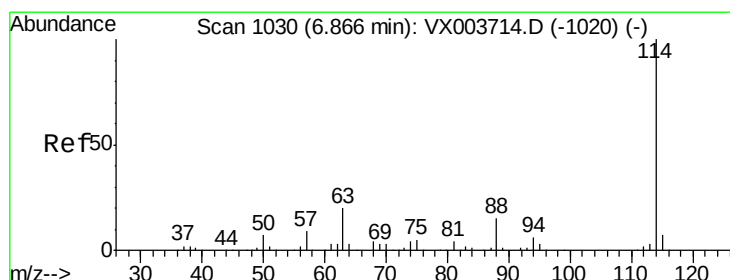
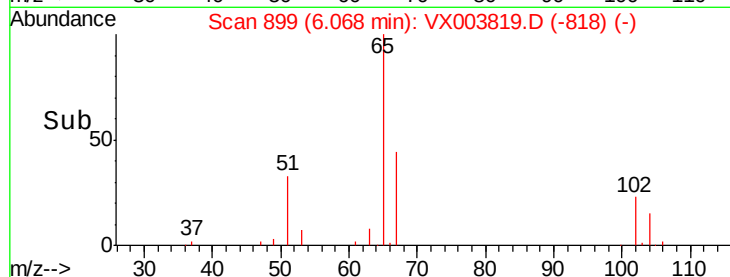
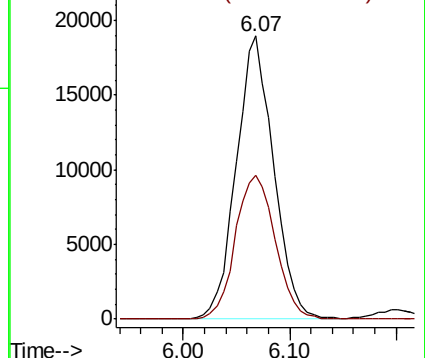
MMDadoda

8/3/2018 9:48:13 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

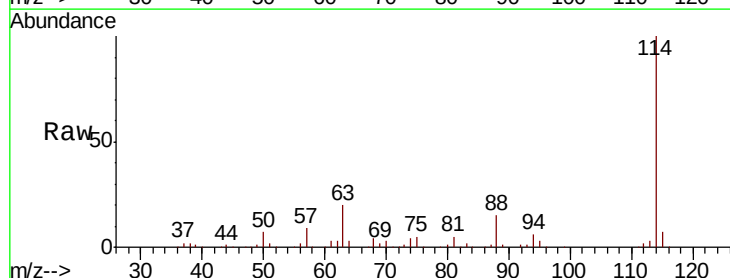
Tgt Ion: 114 Resp: 111823

Ion Ratio Lower Upper

114 100

63 19.9 17.1 25.7

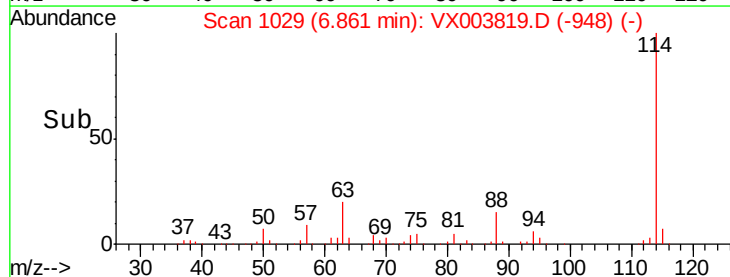
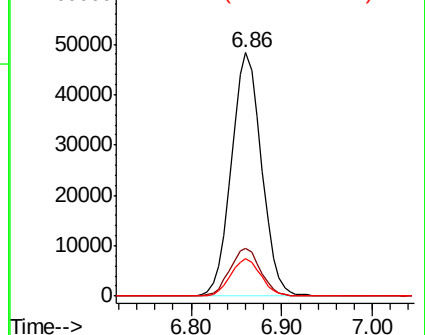
88 15.3 12.6 19.0

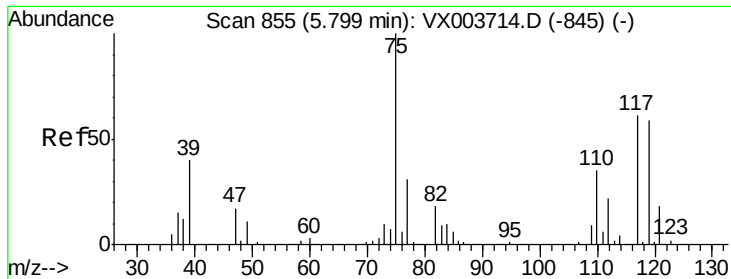


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 20.76 ug/l

RT: 5.79 min Scan# 854

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

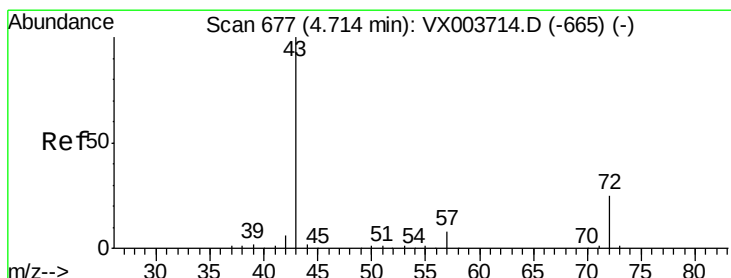
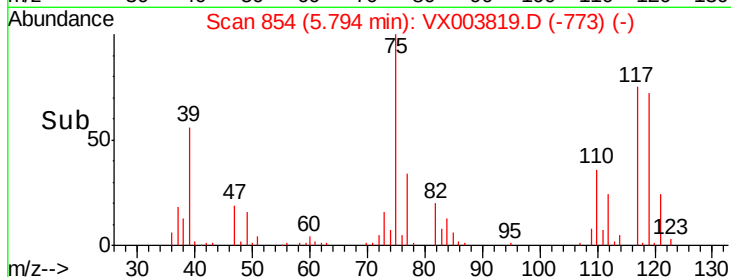
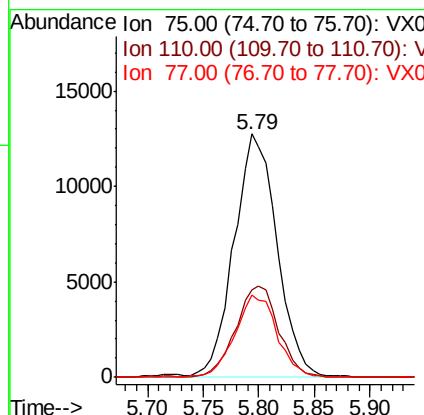
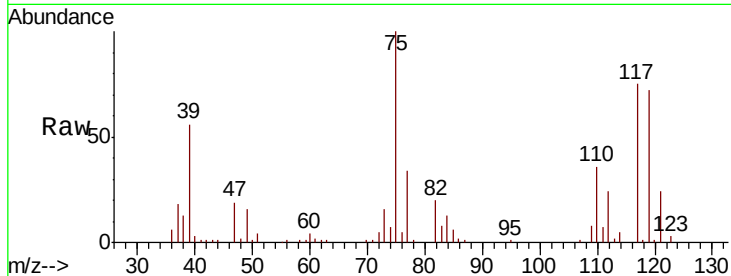
ClientSampled :

VSTDCCC020

Tot Ion:	75	Resp:	34275
Ion Ratio	Lower	Upper	
75	100		
110	37.2	0.0	71.4
77	33.0	0.0	60.6

Manual Integrations
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#30

2-Butanone

Concen: 104.06 ug/l

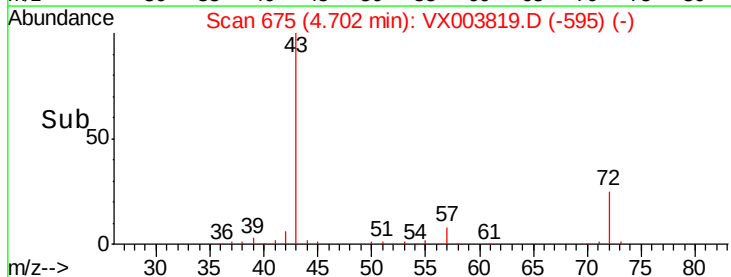
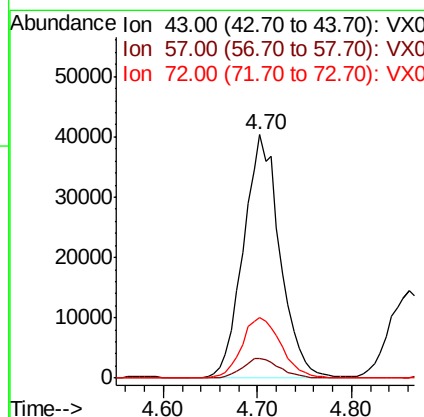
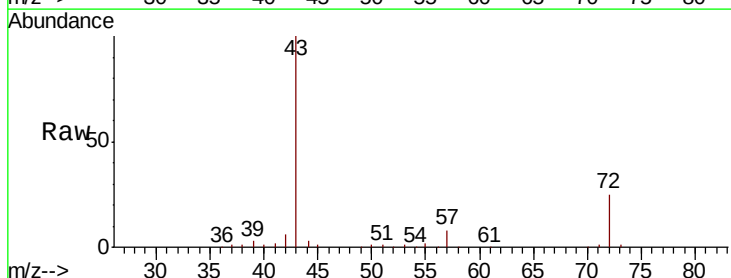
RT: 4.70 min Scan# 675

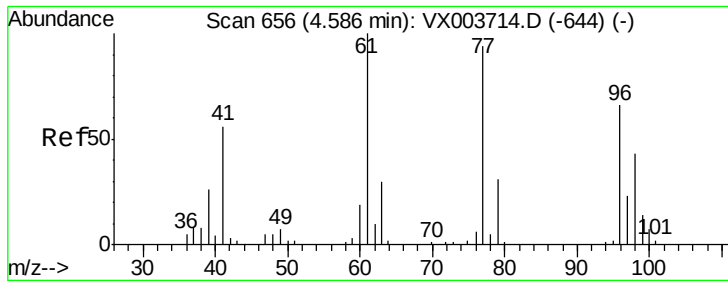
Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Tgt Ion:	43	Resp:	109735
Ion Ratio	Lower	Upper	
43	100		
57	8.3	6.1	9.1
72	26.5	18.1	27.1





#31

2,2-Dichloropropane

Concen: 22.77 ug/l

RT: 4.57 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 77 Resp: 36419

Ion Ratio Lower Upper

77 100

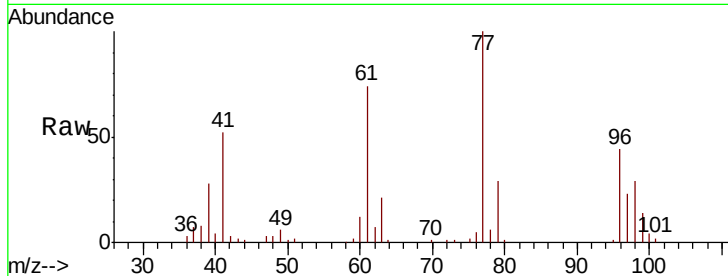
97 25.0 18.7 28.1

Manual Integrations

APPROVED

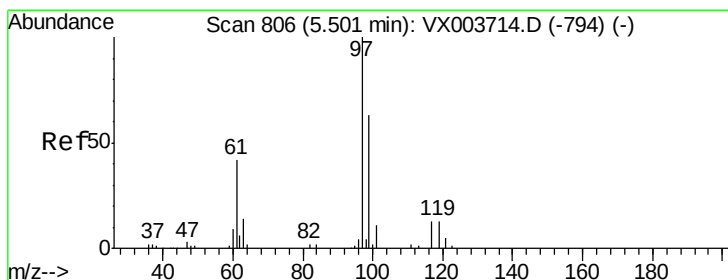
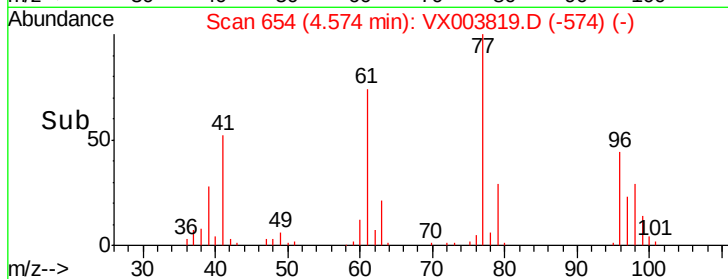
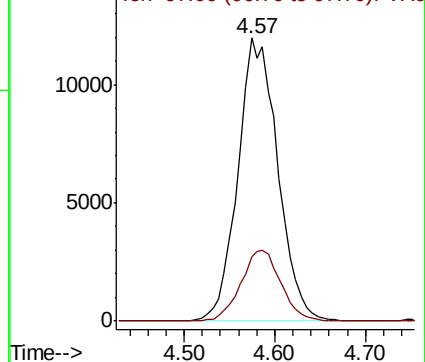
MMDadoda

8/3/2018 9:48:13 AM



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.60 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

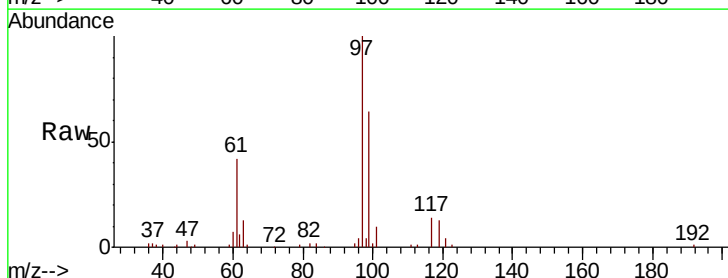
Tgt Ion: 97 Resp: 38915

Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

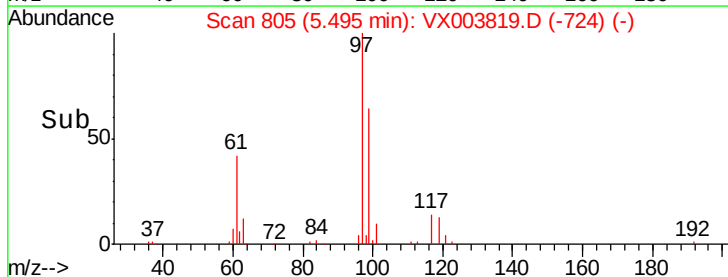
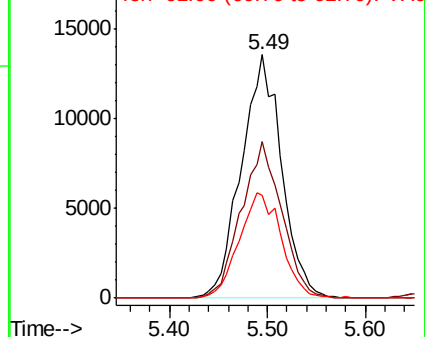
61 45.2 36.4 54.6

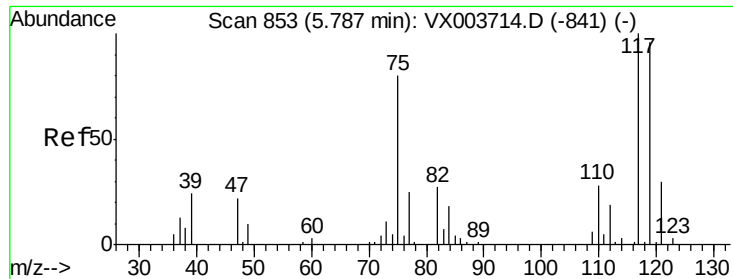


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





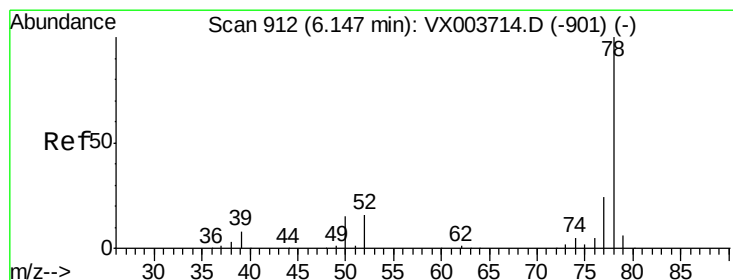
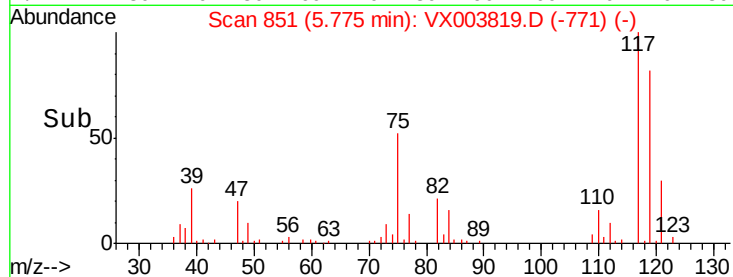
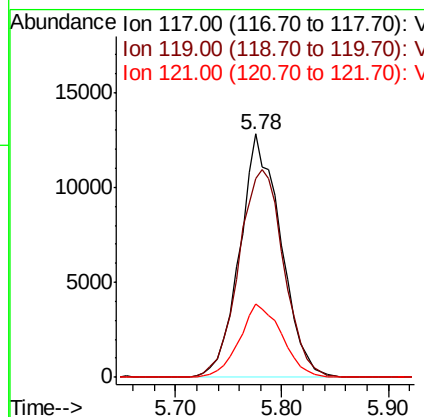
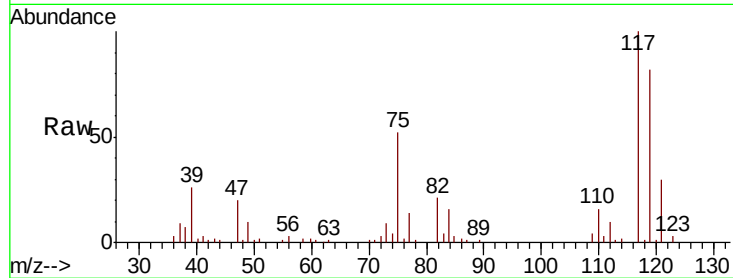
#33
Carbon Tetrachloride
Concen: 21.08 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	81.6	73.3	109.9
121	30.1	23.6	35.4

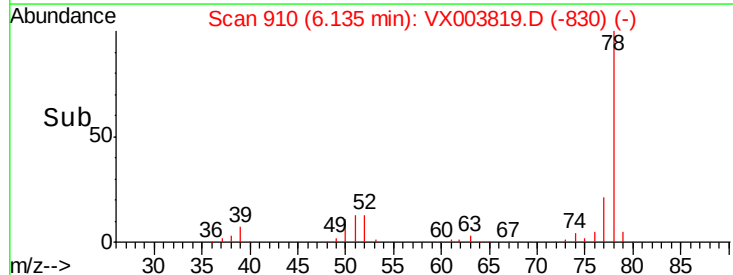
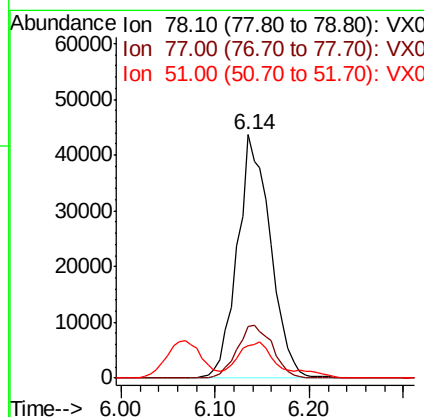
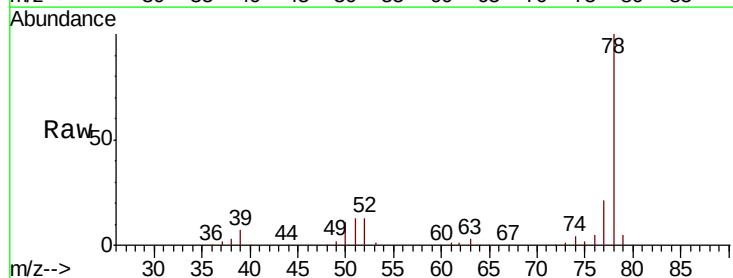
Manual Integrations
APPROVED

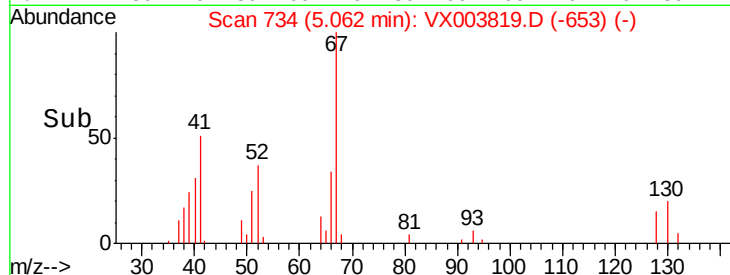
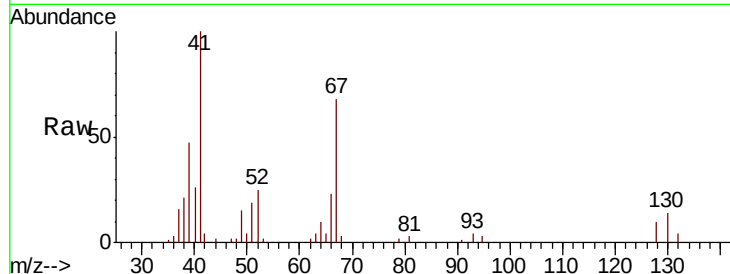
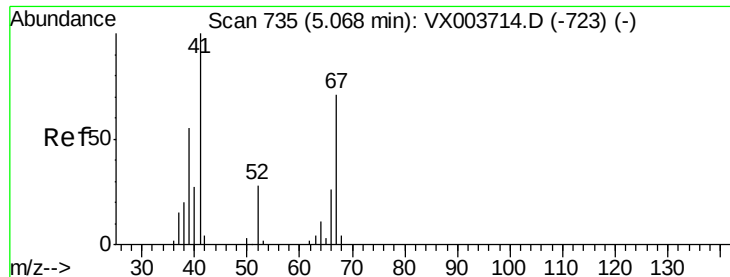
MMDadoda
8/3/2018 9:48:13 AM



#34
Benzene
Concen: 21.06 ug/l
RT: 6.14 min Scan# 910
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.4	29.0
51	12.9	13.8	20.6#





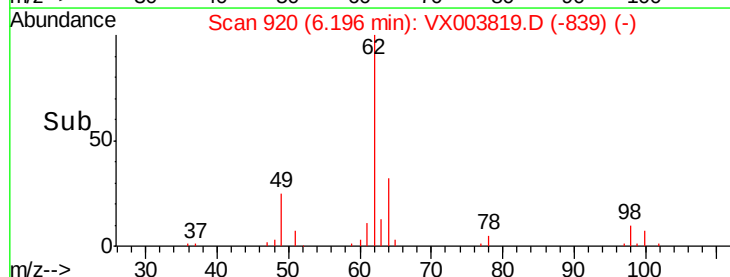
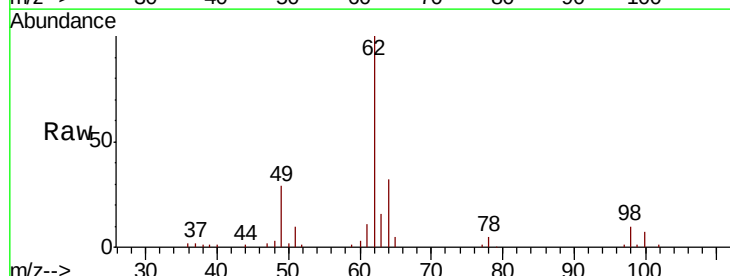
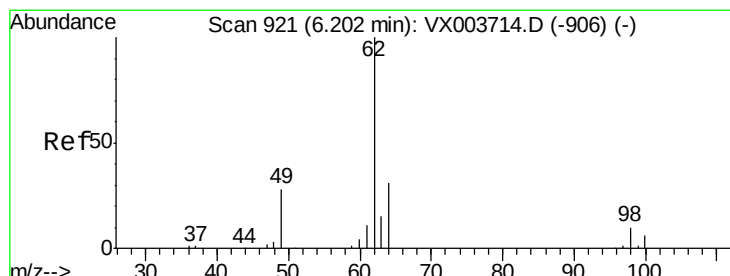
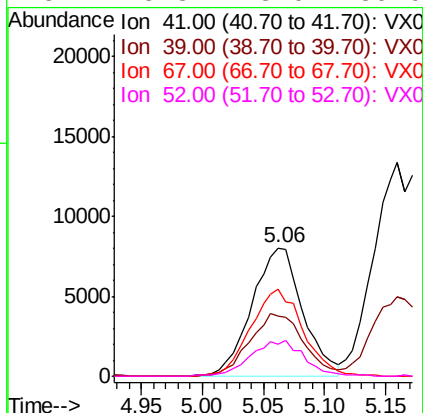
#35
Methacrylonitrile
Concen: 21.21 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	46.9	28.8	86.5	
67	67.8	30.4	91.2	
52	25.3	13.0	39.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

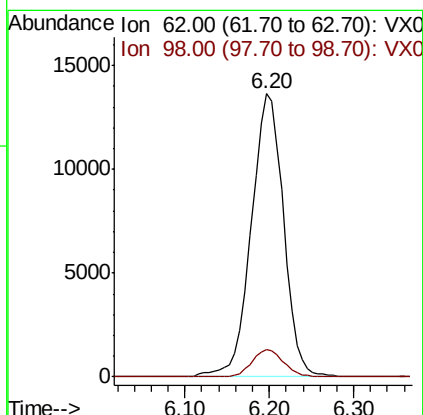
Manual Integrations
APPROVED

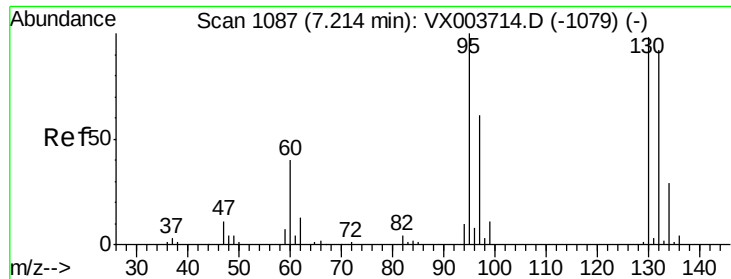
MMDadoda
8/3/2018 9:48:13 AM



#36
1,2-Dichloroethane
Concen: 19.55 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	6.5	9.7	





#37

Trichloroethene

Concen: 20.13 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 26622

Ion Ratio Lower Upper

130 100

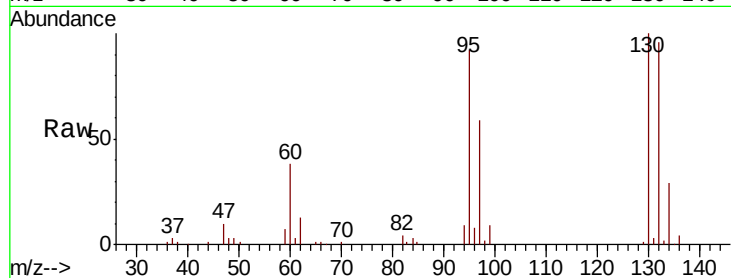
95 92.2 81.5 122.3

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

15000

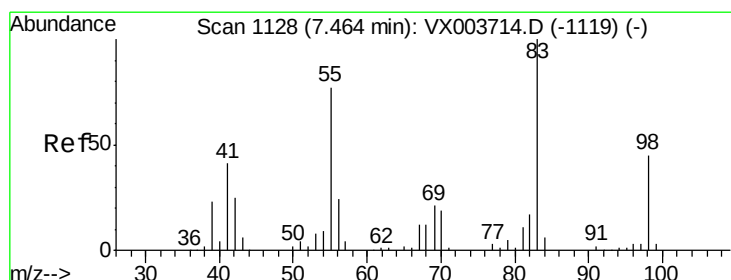
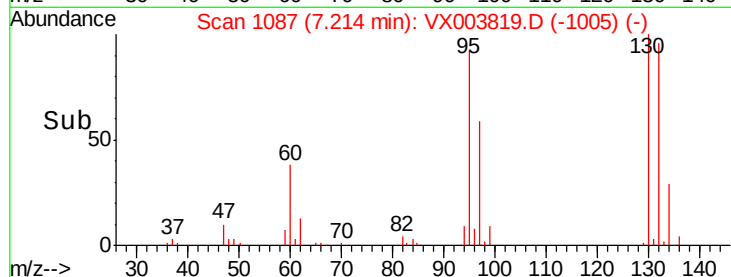
10000

5000

0

Time-->

7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 19.62 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

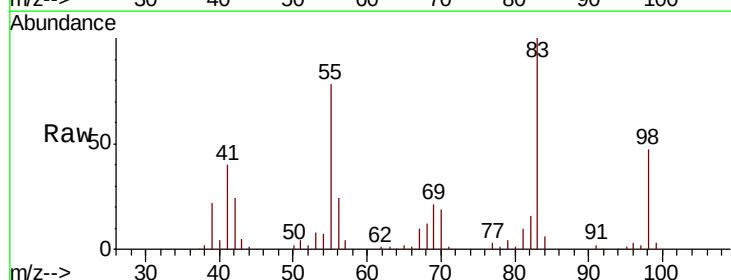
Tgt Ion: 83 Resp: 36807

Ion Ratio Lower Upper

83 100

55 78.0 40.6 121.8

98 46.7 23.5 70.5



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

20000

15000

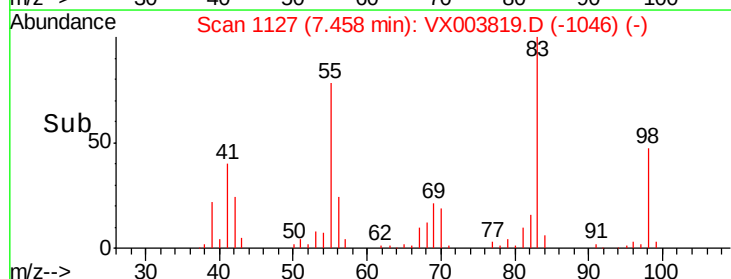
10000

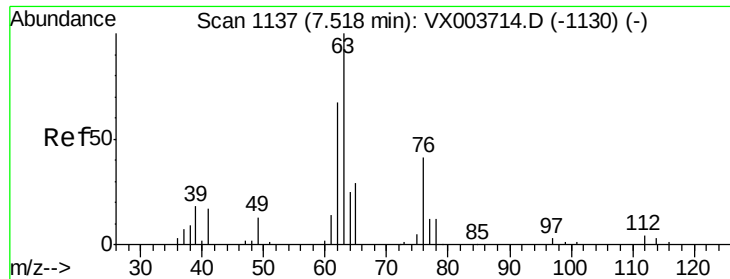
5000

0

Time-->

7.40 7.45 7.50 7.55





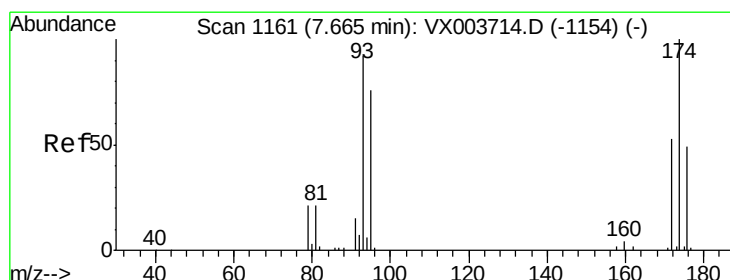
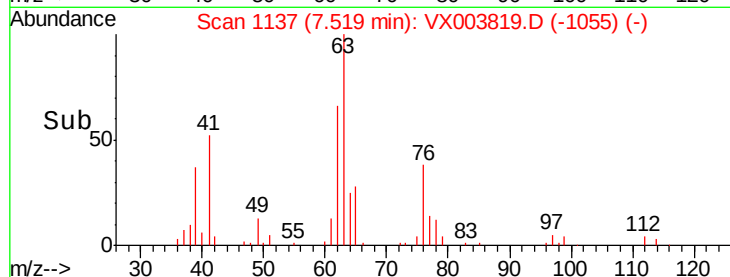
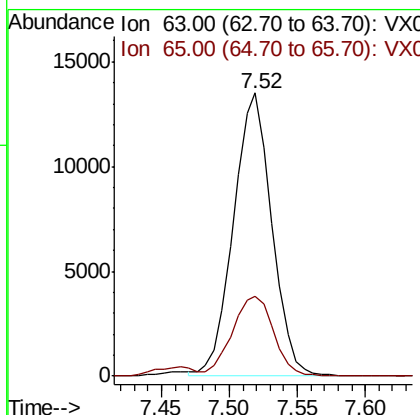
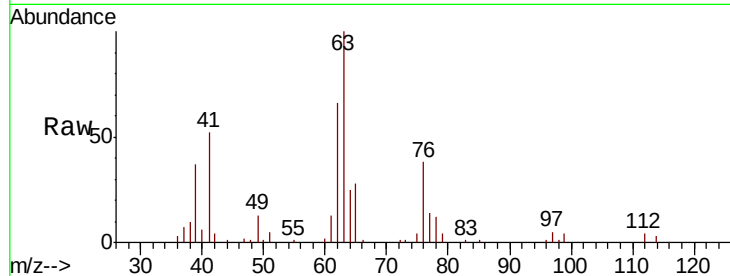
#39
 1,2-Dichloropropane
 Concen: 19.84 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.4	23.3	34.9

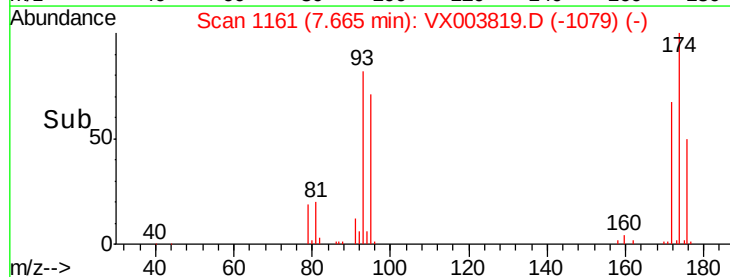
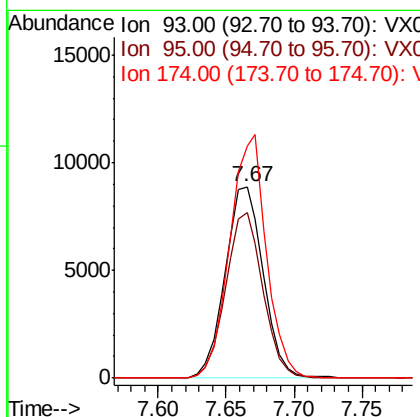
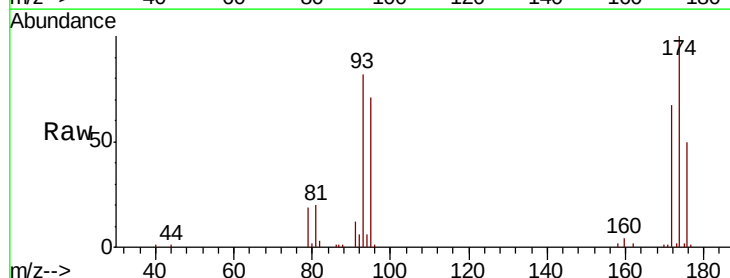
Manual Integrations
 APPROVED

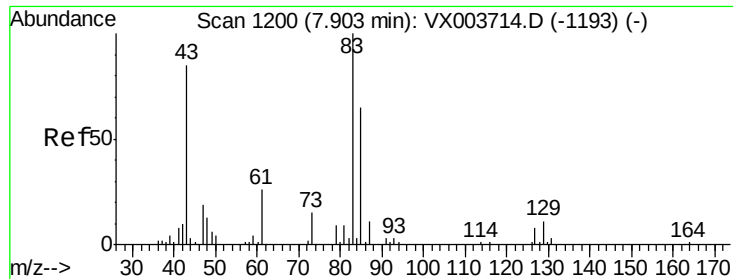
MMDadoda
 8/3/2018 9:48:13 AM



#40
 Dibromomethane
 Concen: 19.98 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	0.0	162.6
174	121.5	0.0	229.4





#41

Bromodichloromethane

Concen: 19.28 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

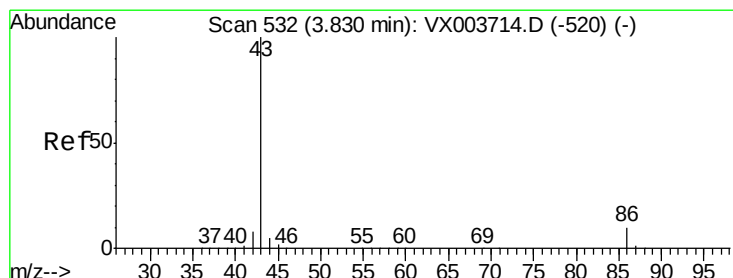
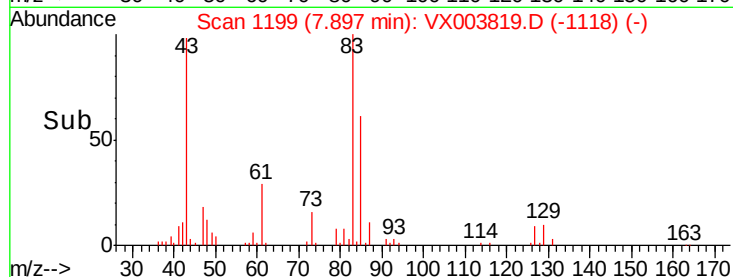
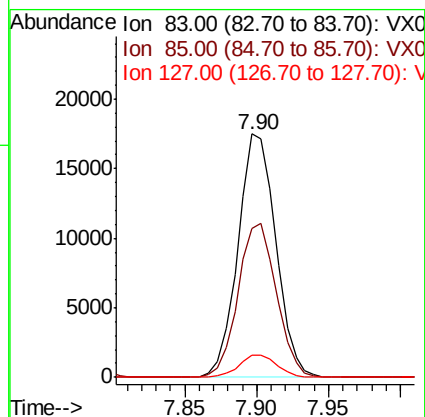
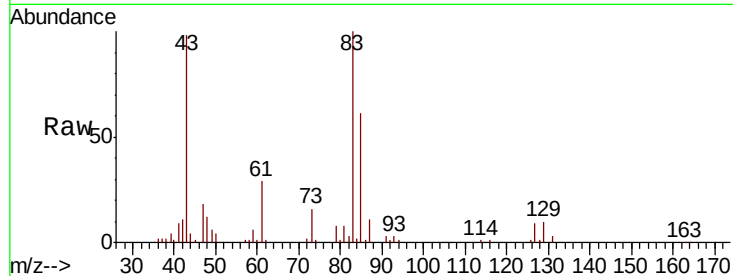
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	31959
Ion	Ratio	Lower	Upper
83	100		
85	61.2	49.8	74.8
127	8.9	7.3	10.9

Manual Integrations
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8/3/2018 9:48:13 AM



#42

Vinyl Acetate

Concen: 84.01 ug/l

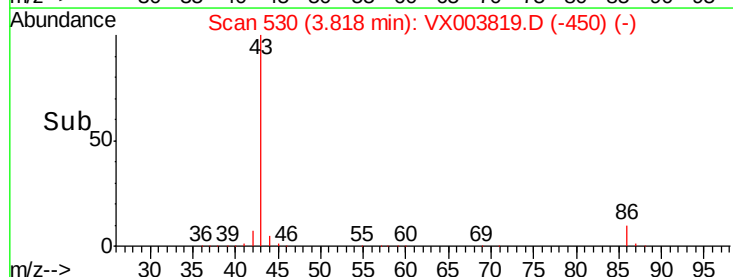
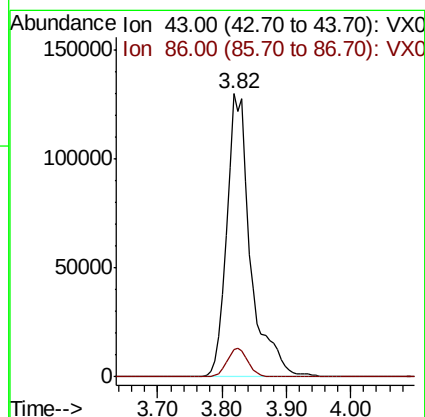
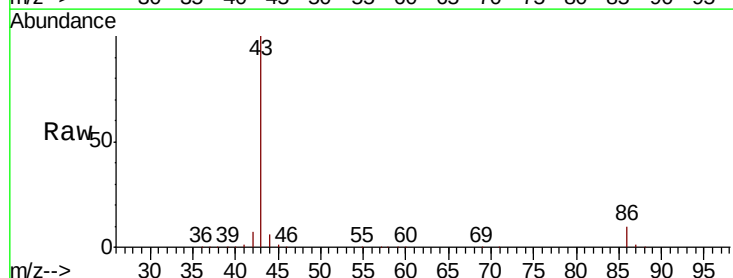
RT: 3.82 min Scan# 530

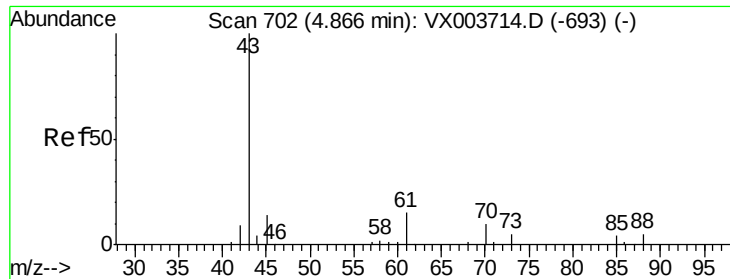
Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Tgt Ion:	43	Resp:	340393
Ion	Ratio	Lower	Upper
43	100		
86	8.9	6.7	10.1





#43

Ethyl Acetate

Concen: 21.42 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 43 Resp: 42199

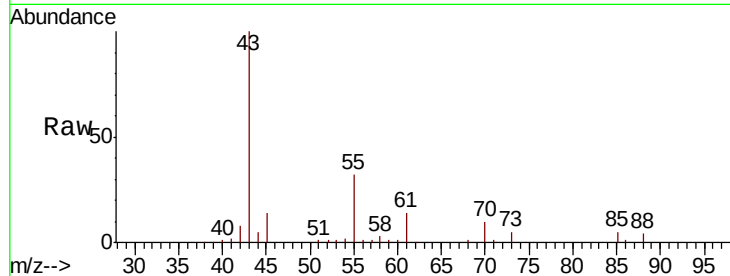
Ion Ratio Lower Upper

43 100

45 15.5 11.0 16.4

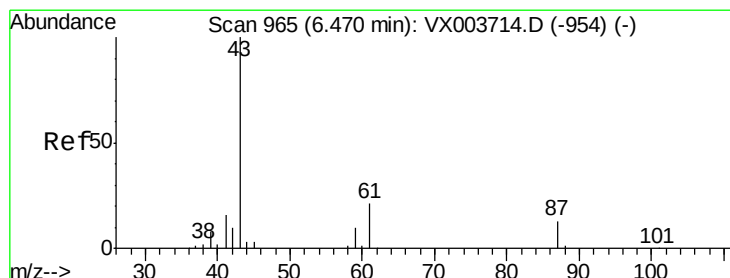
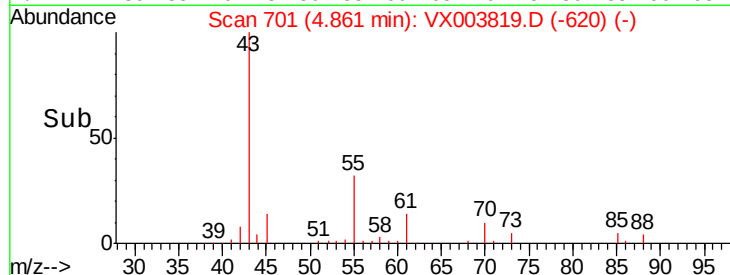
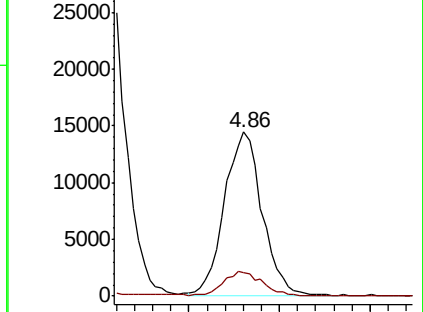
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 18.75 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003819.D

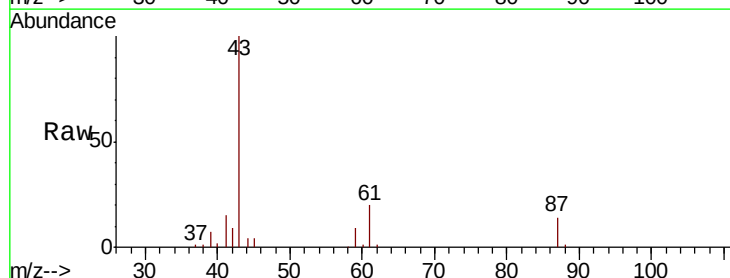
Acq: 02 Aug 2018 12:03

Tgt Ion: 43 Resp: 56653

Ion Ratio Lower Upper

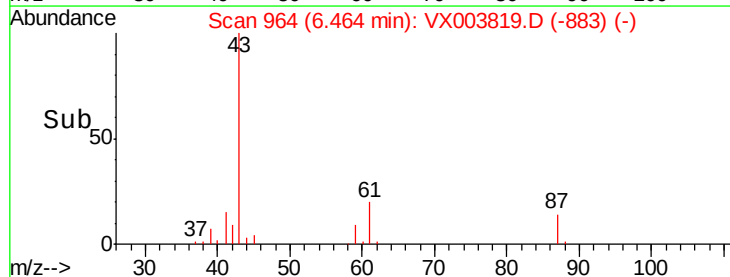
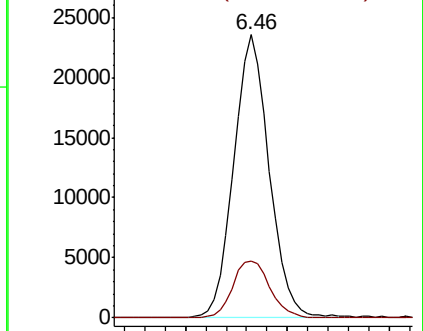
43 100

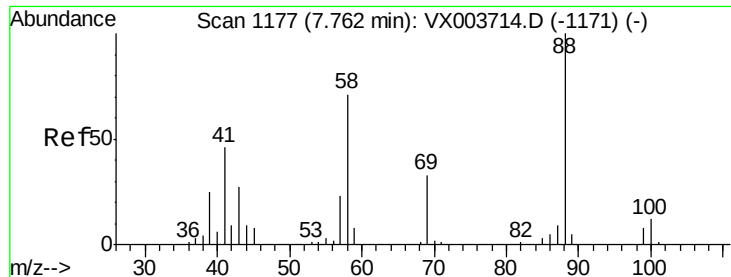
61 21.1 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





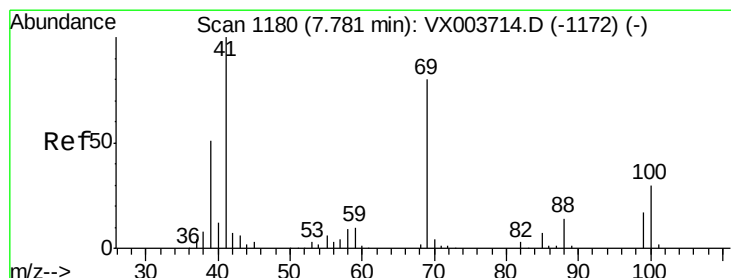
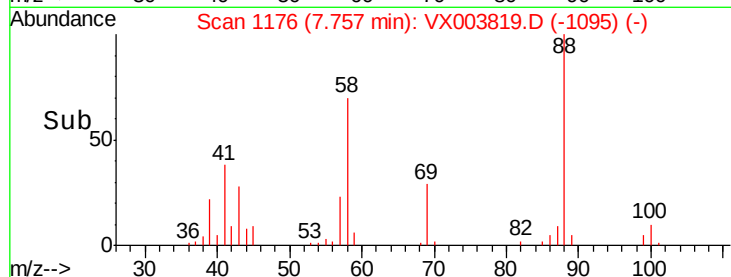
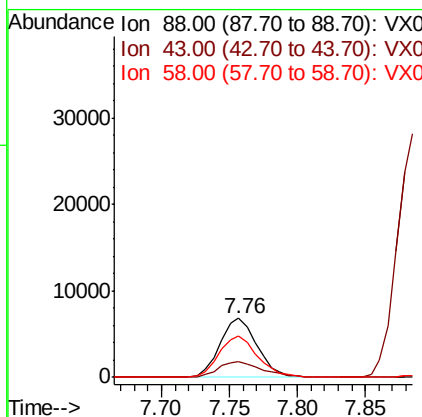
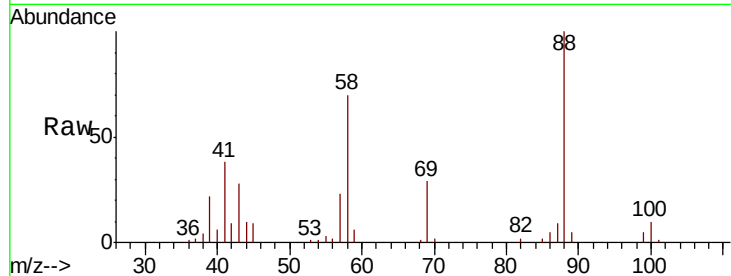
#45
 1,4-Dioxane
 Concen: 385.93 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	43.2	64.8#
58	72.7	60.2	90.2

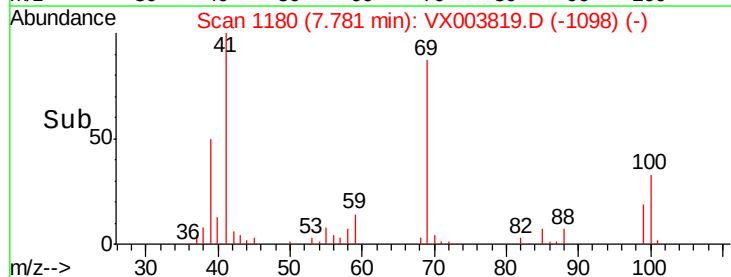
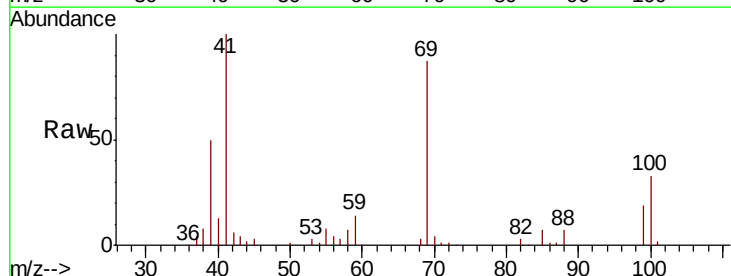
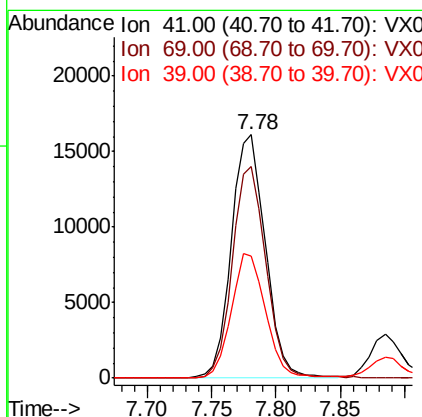
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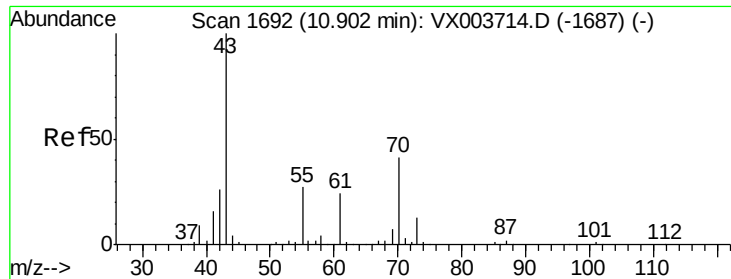
MMDadoda
 8/3/2018 9:48:13 AM



#46
 Methyl methacrylate
 Concen: 19.06 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.7	37.0	110.9
39	50.3	29.6	88.9





#47

n-amvl Acetate

Concen: 17.57 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 50117

Ion Ratio Lower Upper

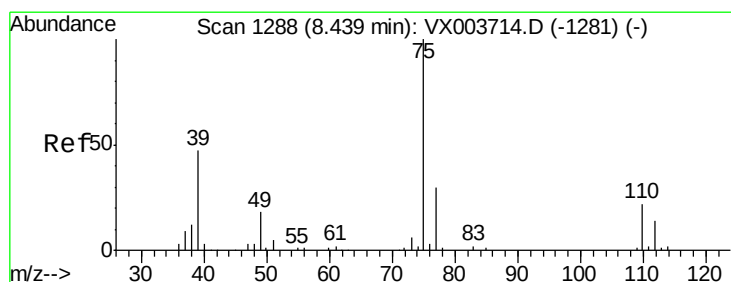
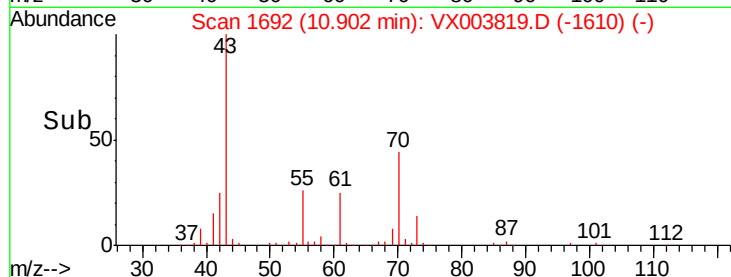
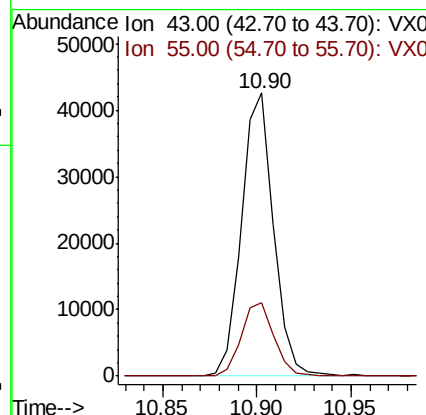
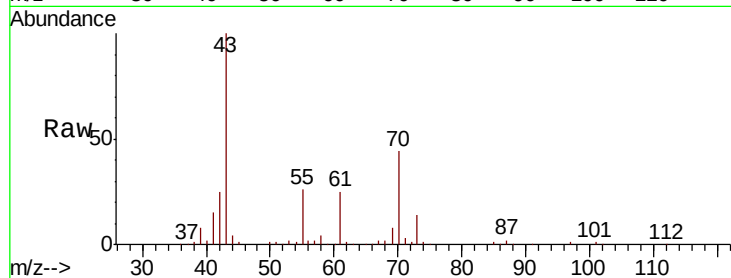
43 100

55 26.7 0.1 0.1#

Manual Integrations
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MMDadoda

8/3/2018 9:48:13 AM



#48

t-1,3-Dichloropropene

Concen: 19.90 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003819.D

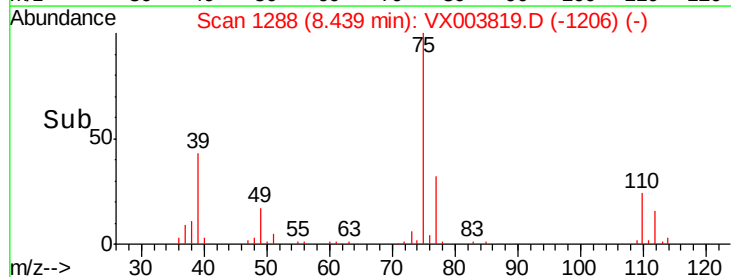
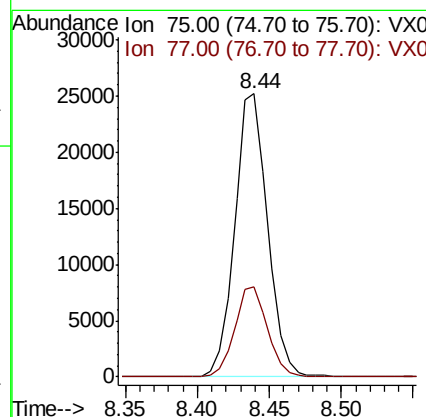
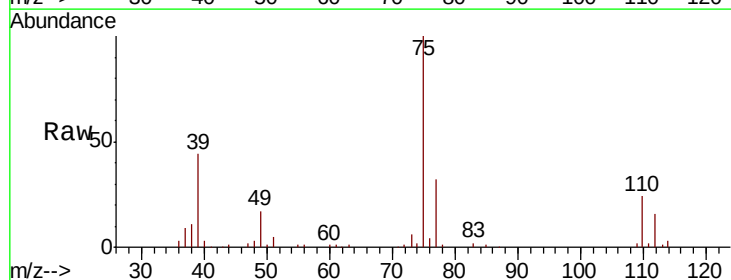
Acq: 02 Aug 2018 12:03

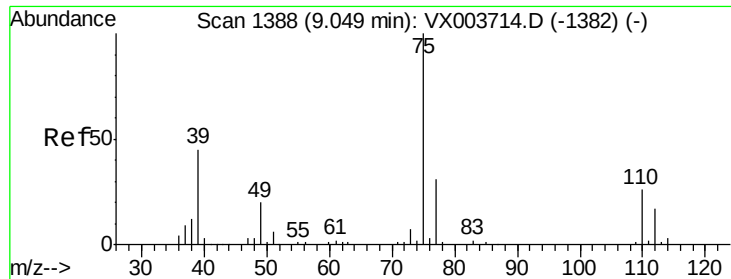
Tgt Ion: 75 Resp: 40022

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4





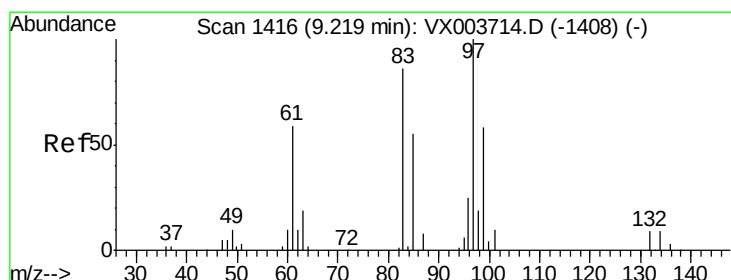
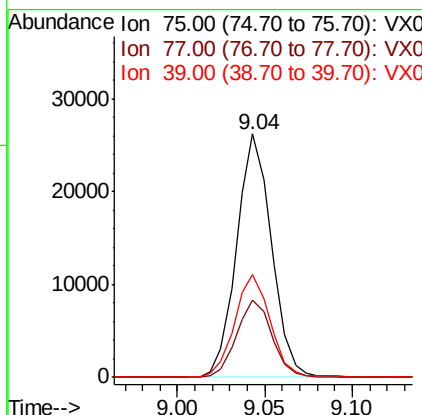
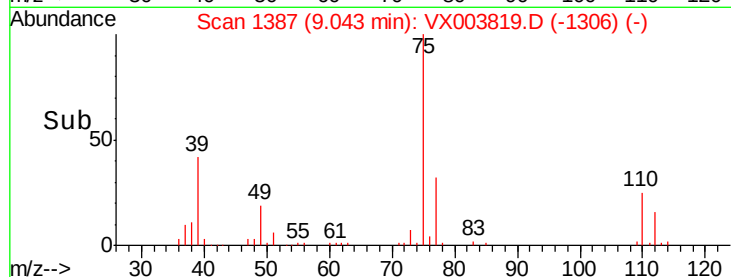
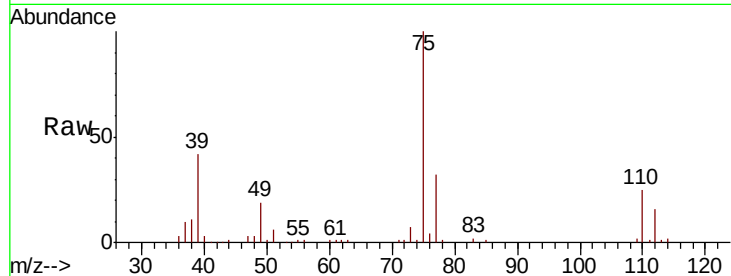
#49
 cis-1,3-Dichloropropene
 Concen: 19.26 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2
39	42.5	42.3	63.5

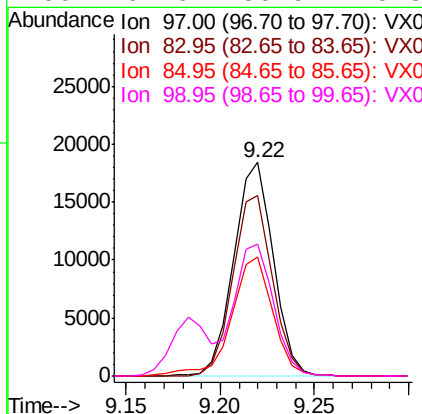
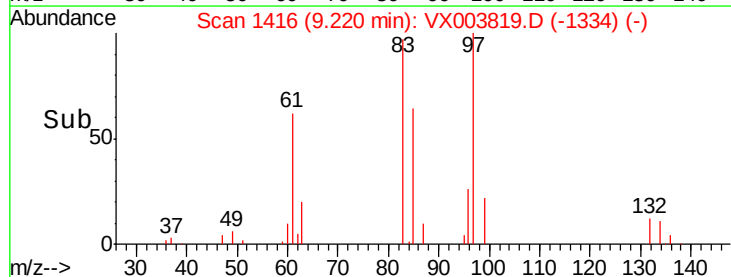
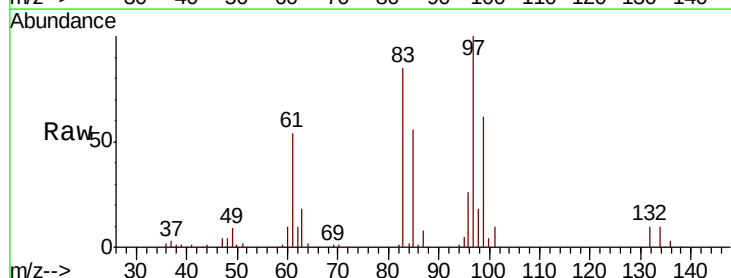
Manual Integrations
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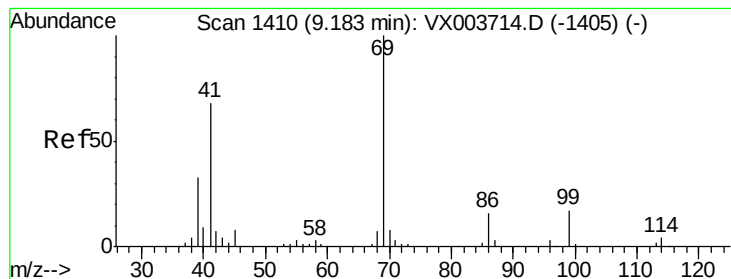
MMDadoda
 8/3/2018 9:48:13 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.31 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.8	106.2
85	55.7	43.5	65.3
99	61.6	50.9	76.3





#51

Ethyl methacrylate

Concen: 17.99 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

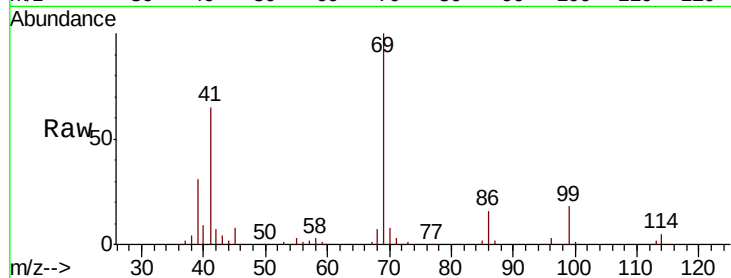
ClientSampleId :

VSTDCCC020

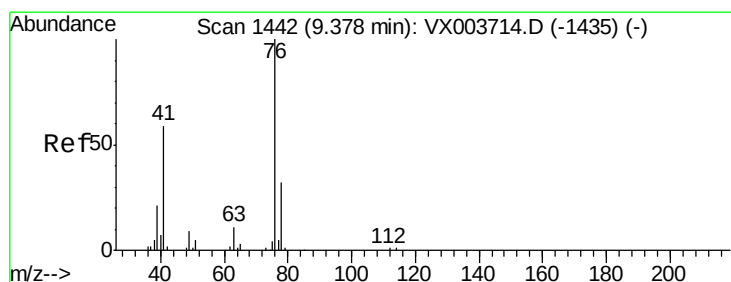
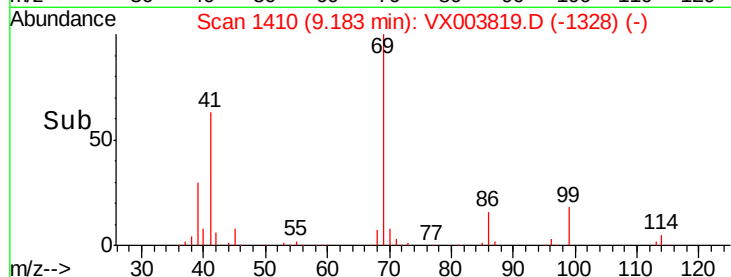
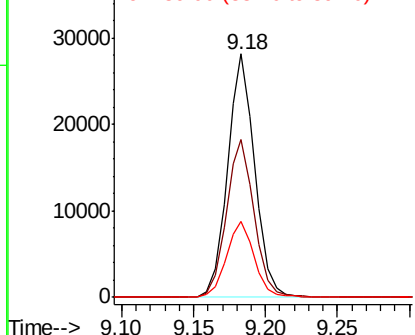
Tot Ion:	69	Resp:	37318
Ion	Ratio	Lower	Upper
69	100		
41	64.9	39.1	117.3
39	31.1	21.7	65.1

Manual Integrations
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8/3/2018 9:48:13 AM



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 19.18 ug/l

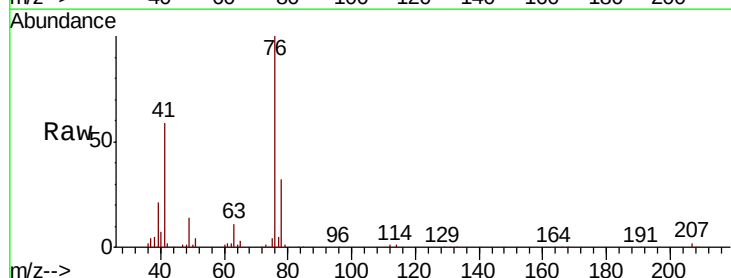
RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

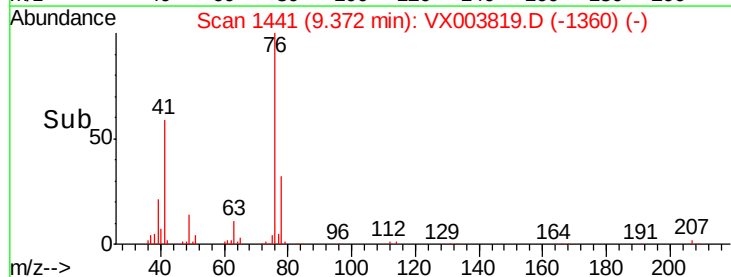
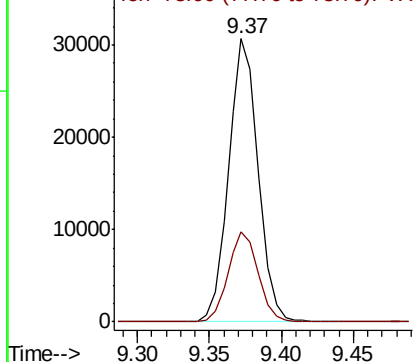
Lab File: VX003819.D

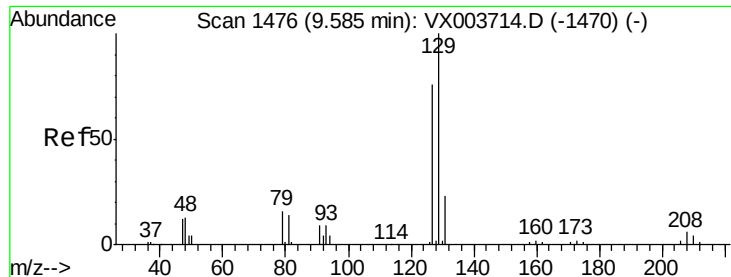
Acq: 02 Aug 2018 12:03

Tgt Ion:	76	Resp:	43967
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





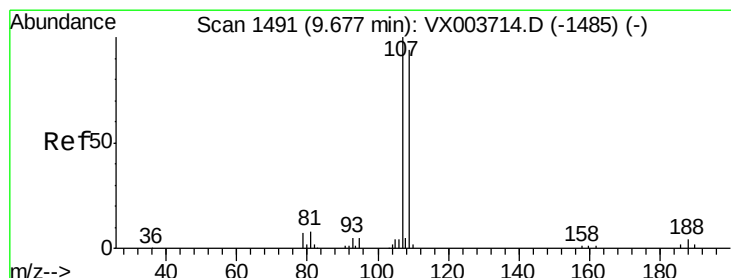
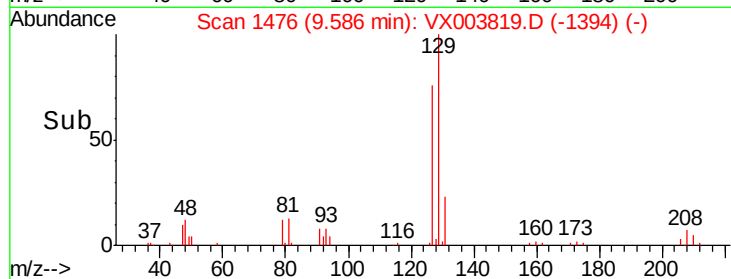
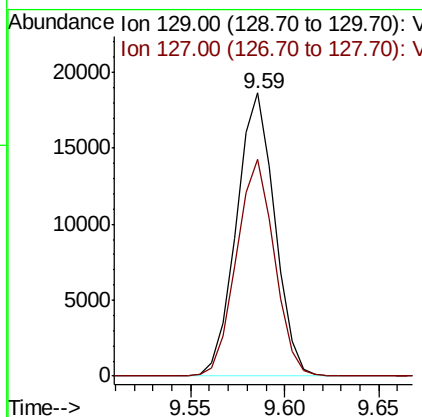
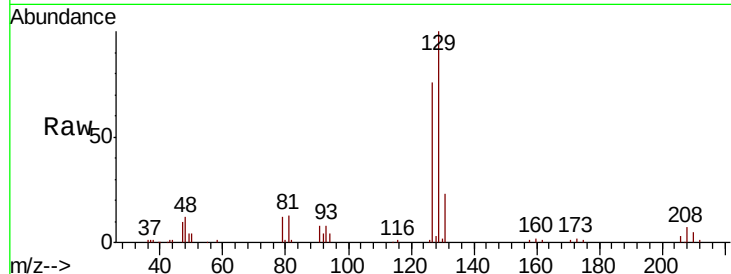
#53
 Dibromochloromethane
 Concen: 19.45 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:129 Resp: 26320
 Ion Ratio Lower Upper
 129 100
 127 75.7 38.5 115.3

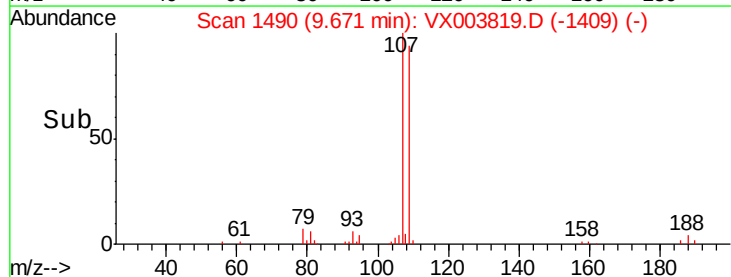
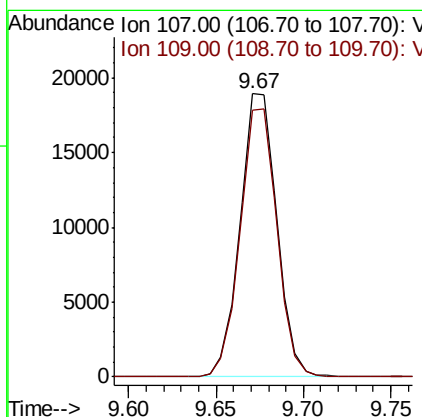
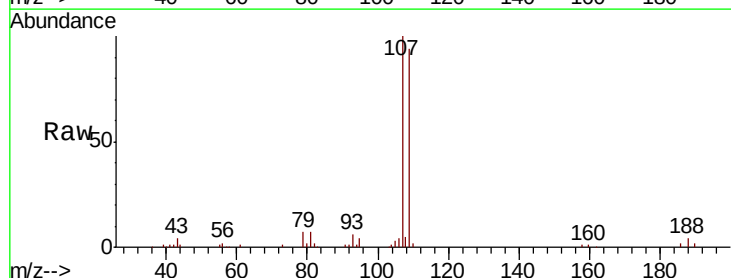
Manual Integrations
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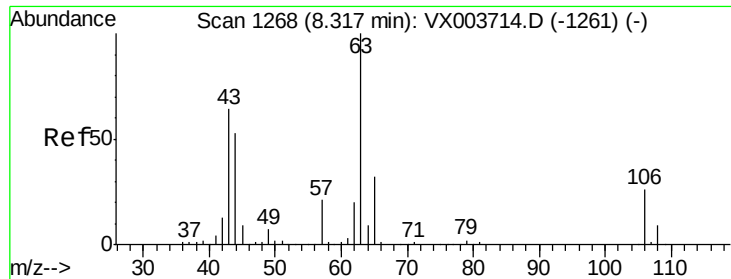
MMDadoda
 8/3/2018 9:48:13 AM



#54
 1,2-Dibromoethane
 Concen: 19.26 ug/l
 RT: 9.67 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion:107 Resp: 27747
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.5 113.3





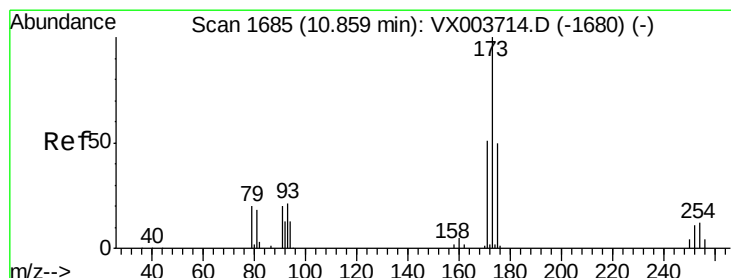
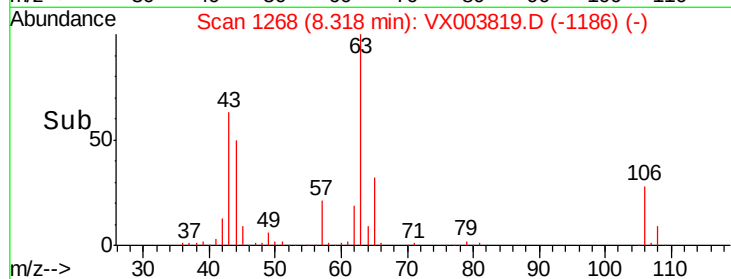
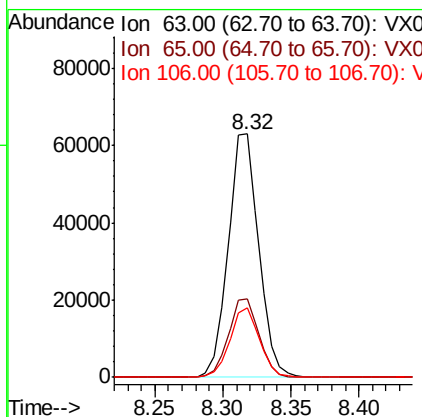
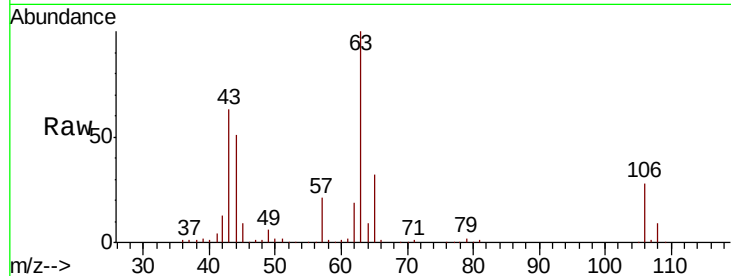
#55
2-Chloroethyl vinyl ether
Concen: 92.05 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.6	38.4
106	27.8	21.6	32.4

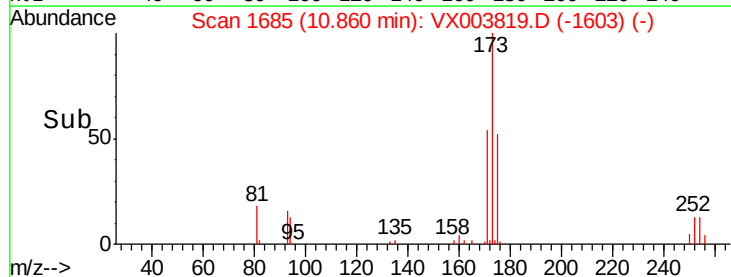
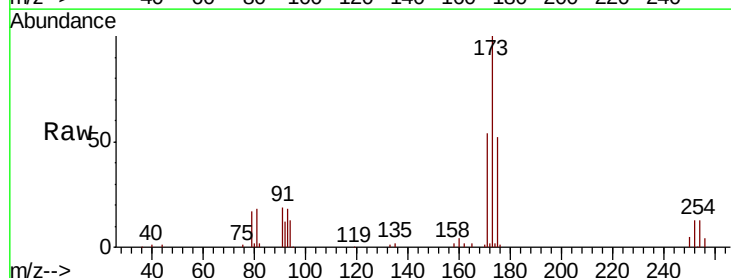
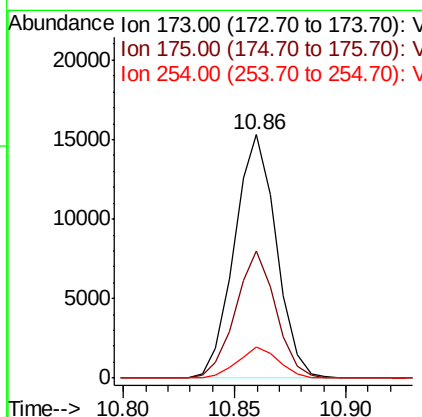
Manual Integrations
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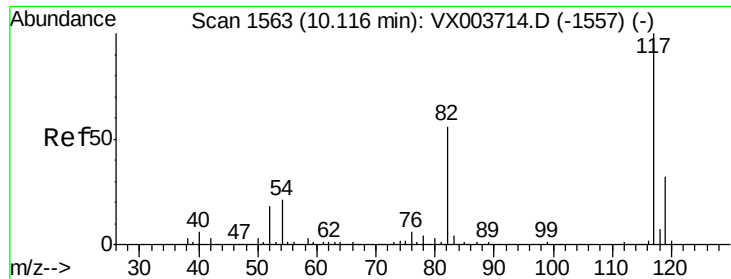
MMDadoda
8/3/2018 9:48:13 AM



#56
Bromoform
Concen: 19.12 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.0	58.4
254	12.3	9.6	14.4





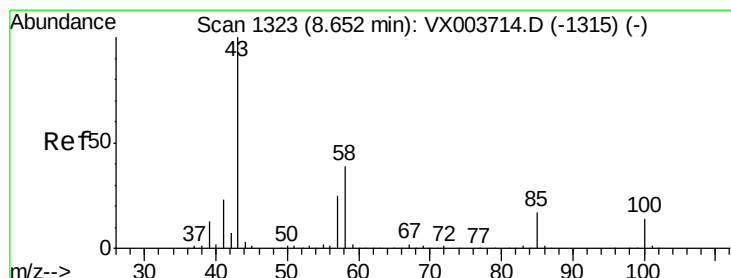
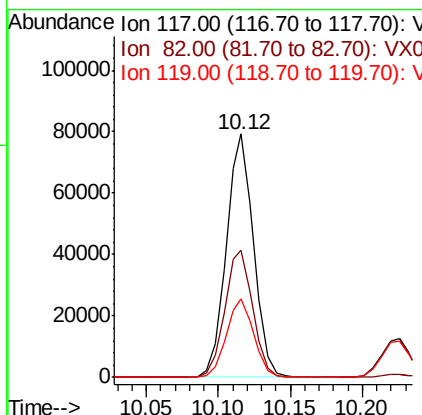
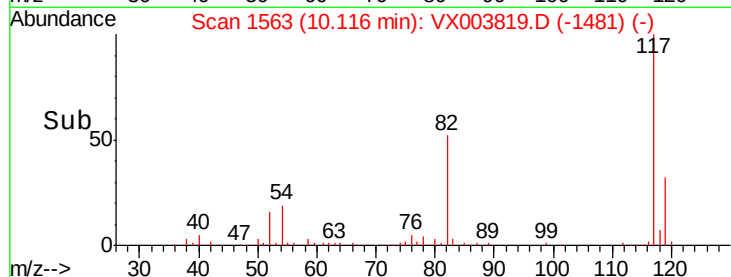
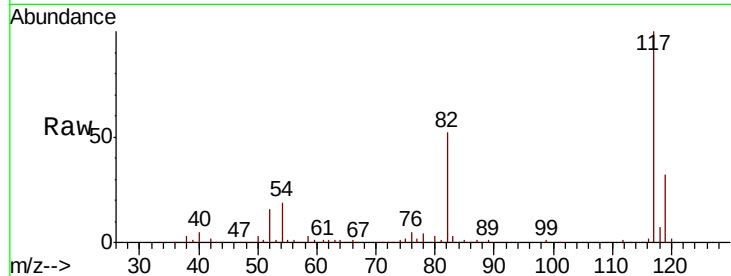
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.3	66.5
119	32.2	25.7	38.5

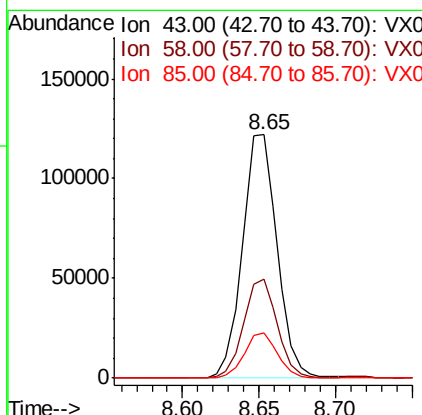
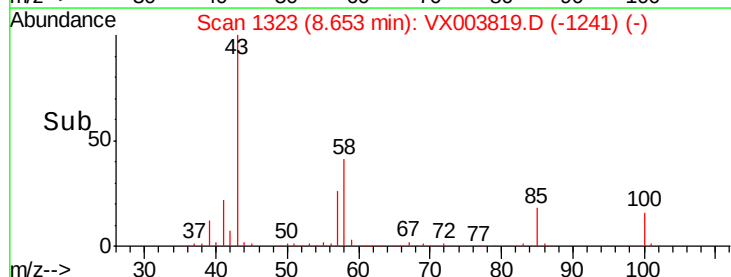
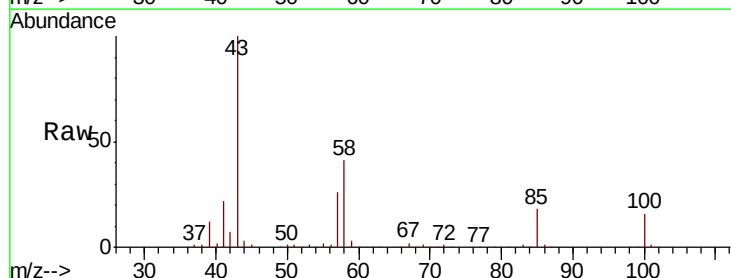
Manual Integrations
APPROVED

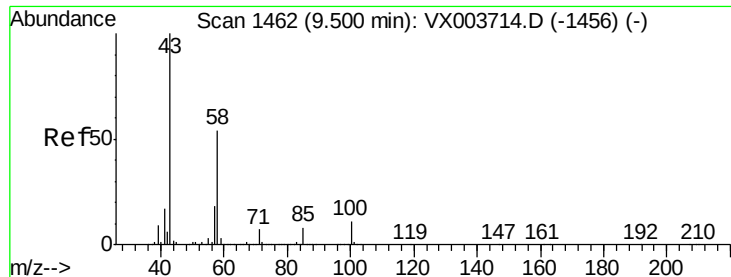
MMDadoda
8/3/2018 9:48:13 AM



#58
4-Methyl-2-Pentanone
Concen: 96.85 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	28.2	42.4
85	18.0	12.4	18.6





#59

2-Hexanone

Concen: 92.51 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

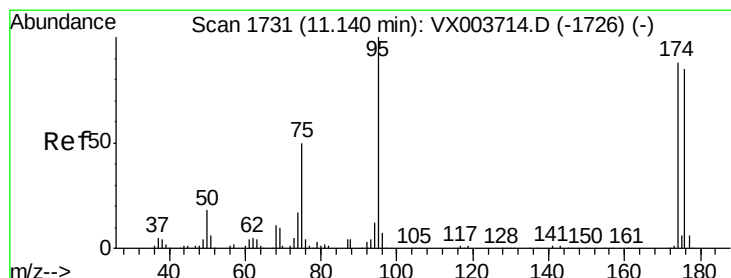
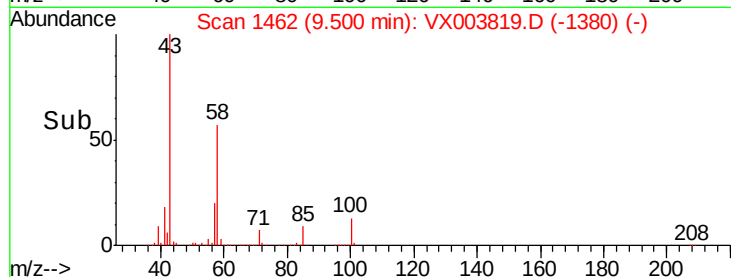
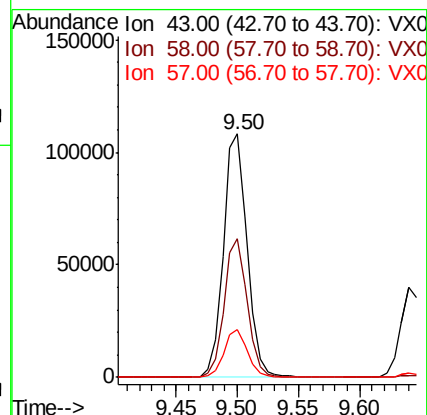
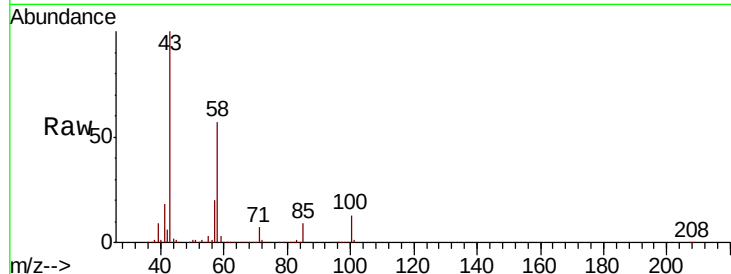
ClientSampleId :

VSTDCCC020

Tot Ion:	43	Resp:	146096
Ion	Ratio	Lower	Upper
43	100		
58	55.5	39.6	59.4
57	19.3	14.1	21.1

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#60

4-Bromofluorobenzene

Concen: 30.14 ug/l

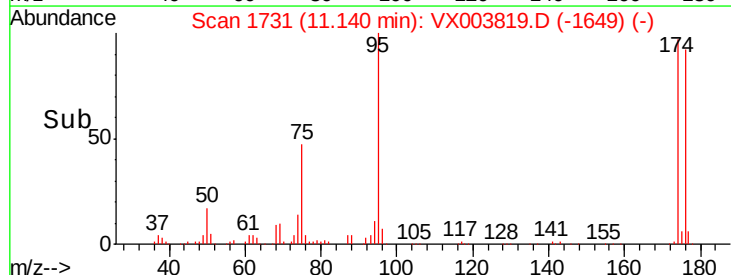
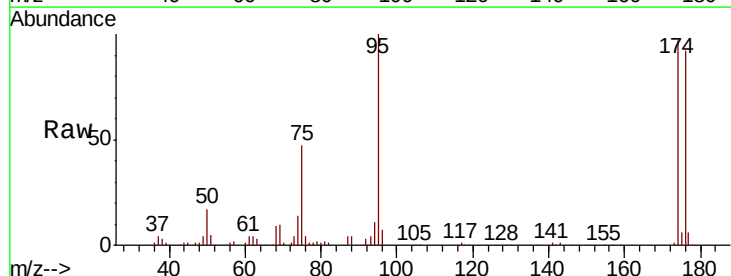
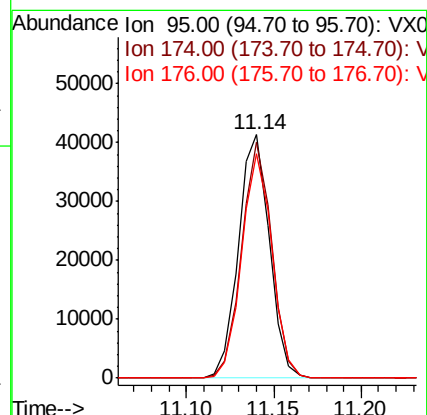
RT: 11.14 min Scan# 1731

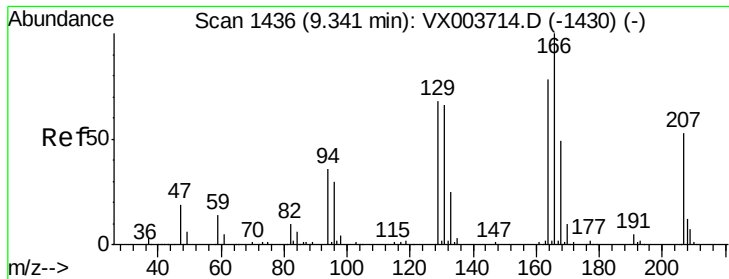
Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Tgt Ion:	95	Resp:	50968
Ion	Ratio	Lower	Upper
95	100		
174	94.0	71.8	107.6
176	90.7	70.1	105.1





#61

Tetrachloroethene

Concen: 20.74 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 25350

Ion Ratio Lower Upper

164 100

166 127.6 102.4 153.6

129 88.8 70.1 105.1

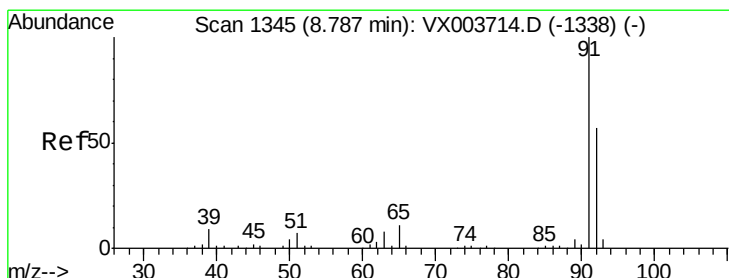
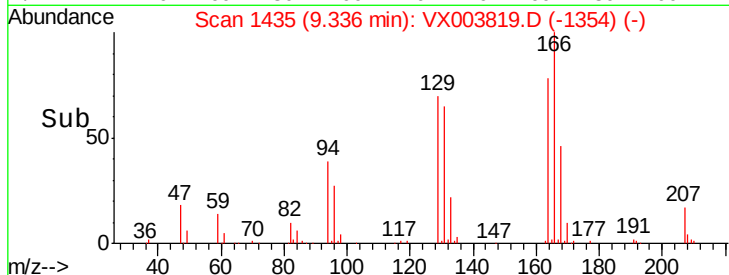
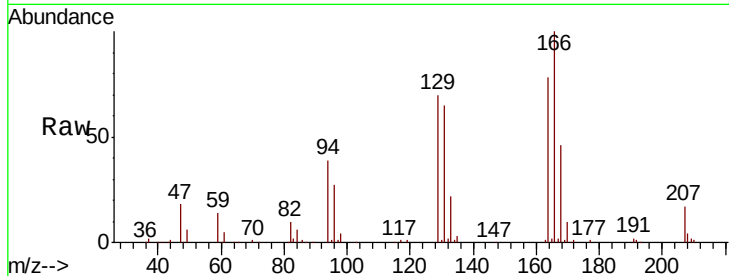
131 83.6 69.1 103.7

Manual Integrations

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#62

Toluene

Concen: 20.02 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003819.D

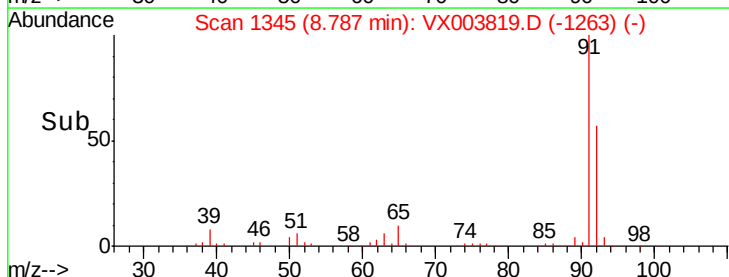
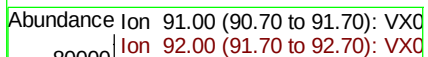
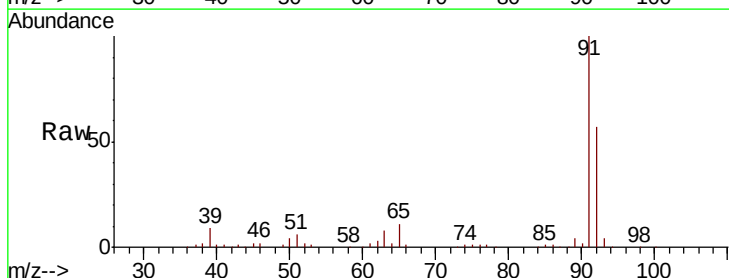
Acq: 02 Aug 2018 12:03

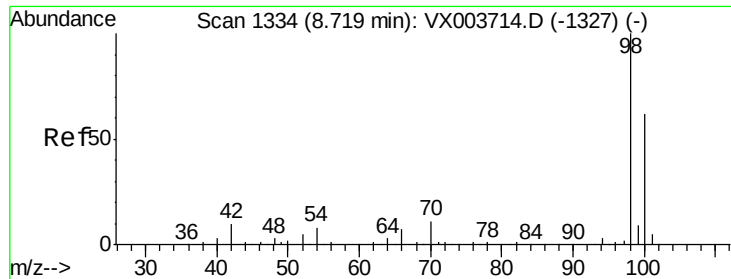
Tgt Ion: 91 Resp: 109150

Ion Ratio Lower Upper

91 100

92 57.7 46.5 69.7





#63

Toluene-d8

Concen: 29.73 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 140674

Ion Ratio Lower Upper

98 100

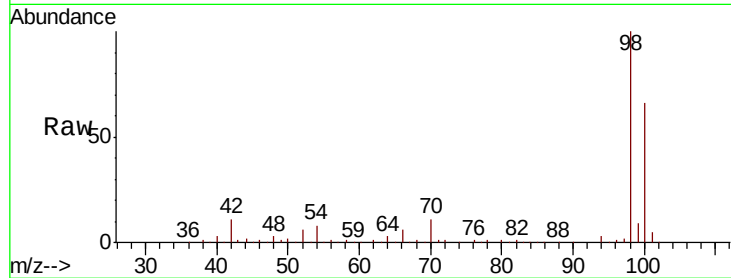
100 64.8 50.8 76.2

Manual Integrations

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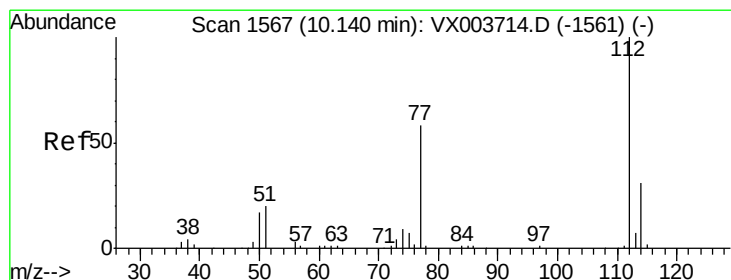
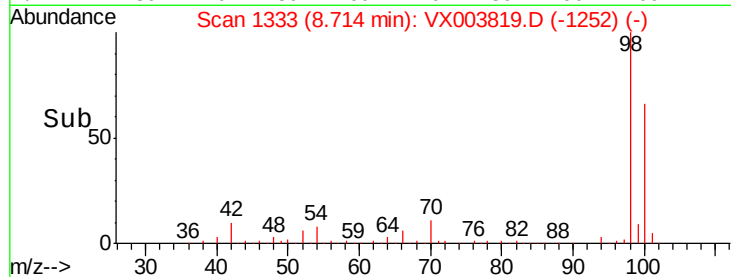
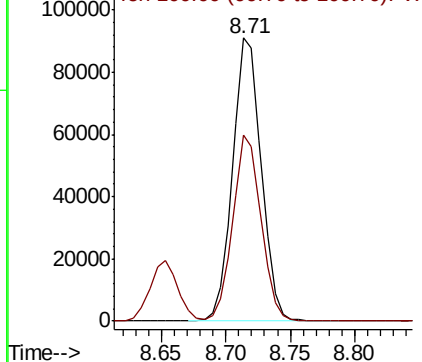
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 20.22 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003819.D

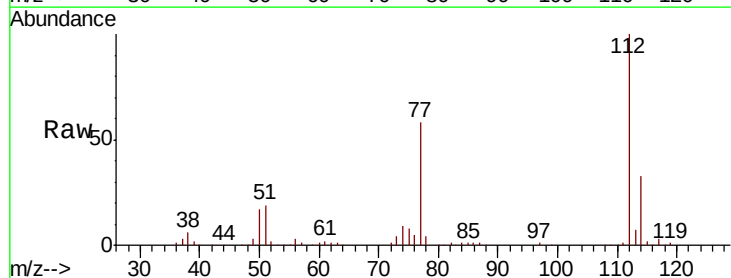
Acq: 02 Aug 2018 12:03

Tgt Ion: 112 Resp: 71230

Ion Ratio Lower Upper

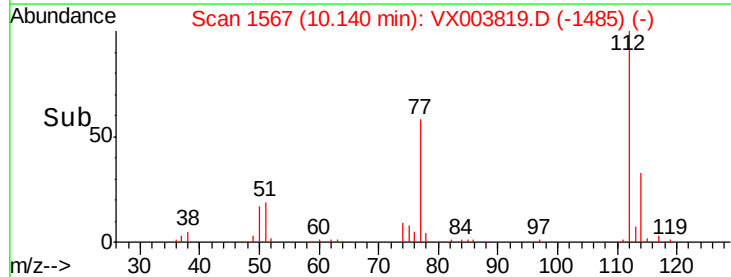
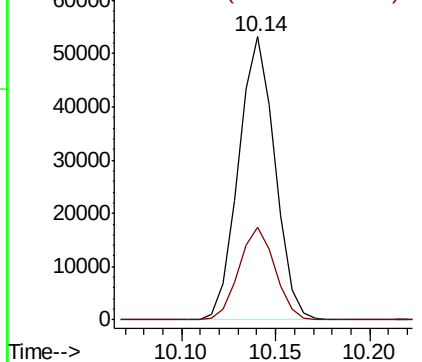
112 100

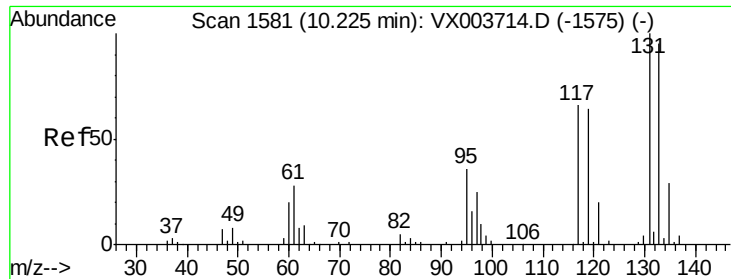
114 32.6 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 20.45 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

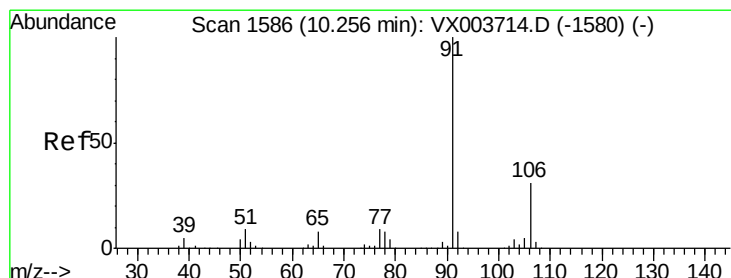
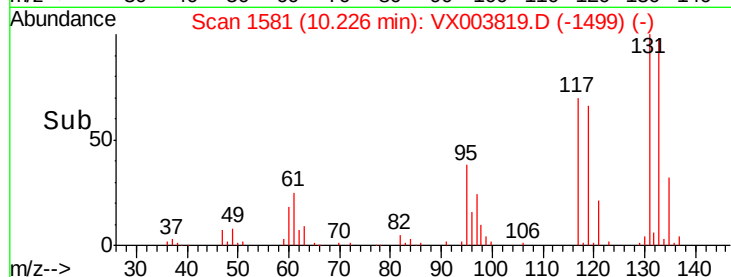
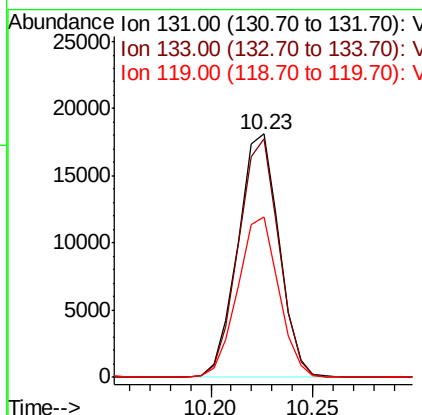
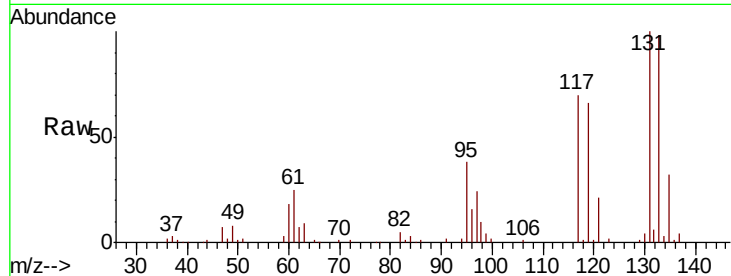
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	25499
Ion	Ratio	Lower	Upper
131	100		
133	96.2	0.0	191.2
119	65.4	0.0	125.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.61 ug/l

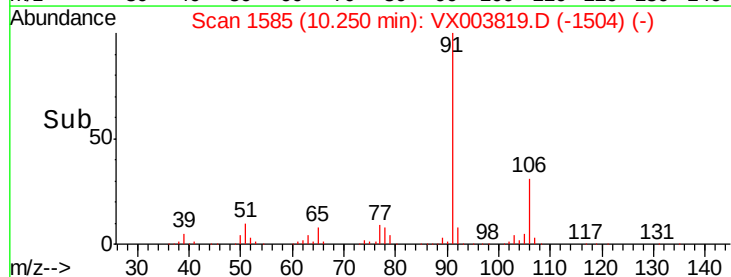
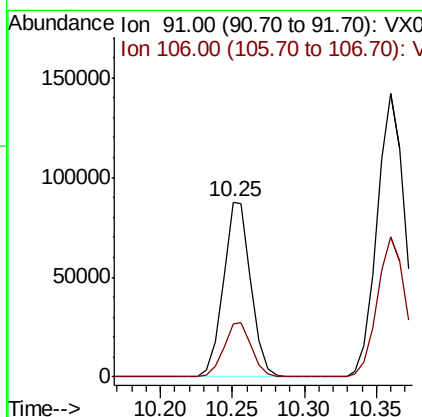
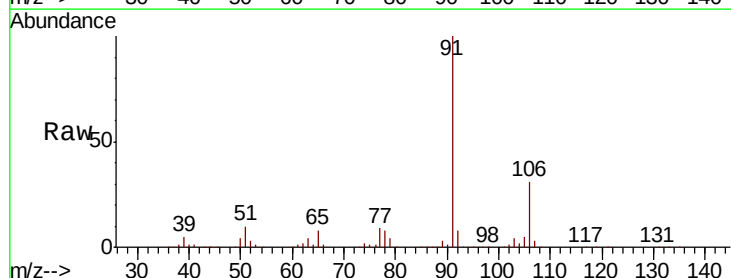
RT: 10.25 min Scan# 1585

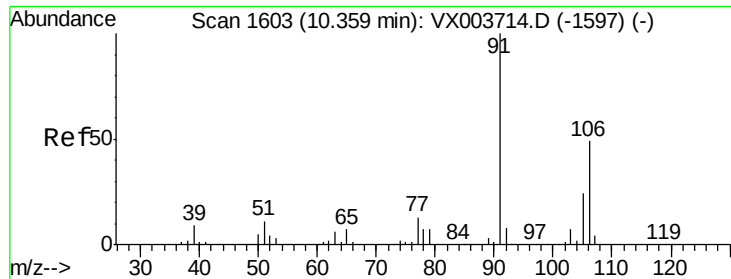
Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Tgt Ion:	91	Resp:	117666
Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.2	37.8





#67

m/p-Xylenes

Concen: 40.34 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 93217

Ion Ratio Lower Upper

106 100

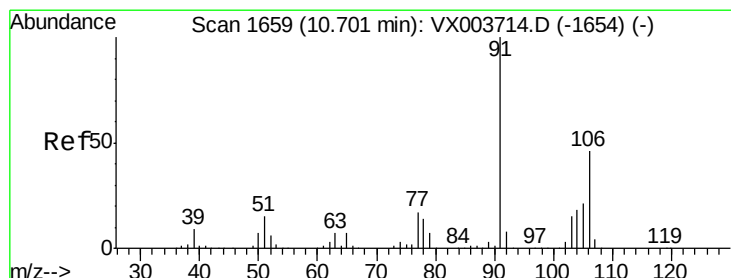
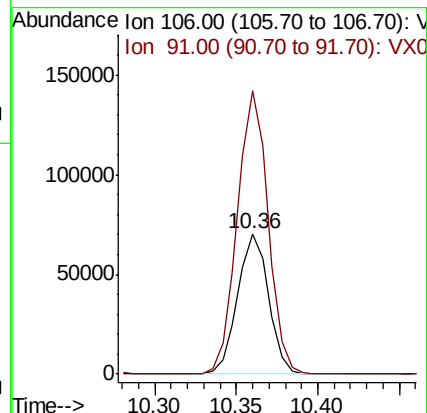
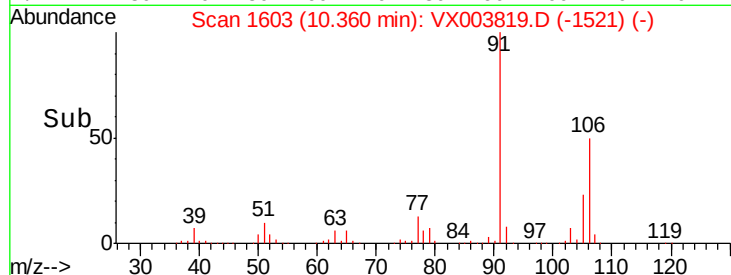
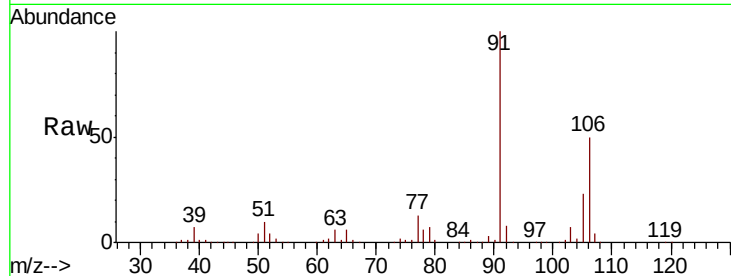
91 200.5 164.1 246.1

Manual Integrations

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#68

o-Xylene

Concen: 20.10 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX003819.D

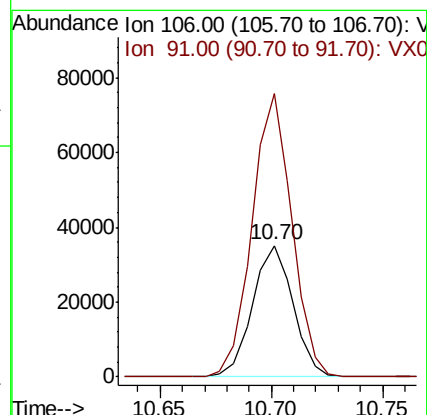
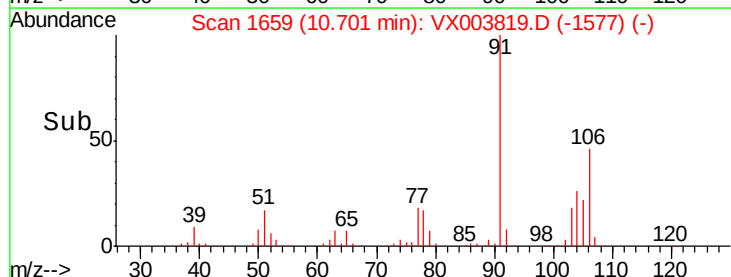
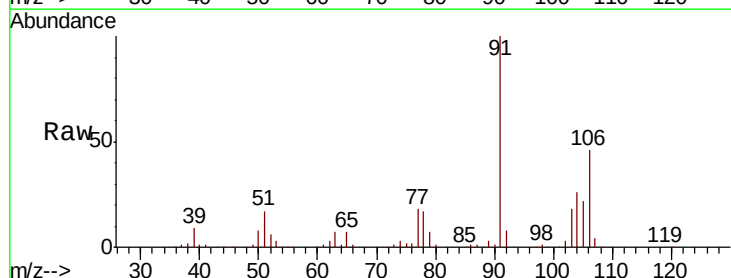
Acq: 02 Aug 2018 12:03

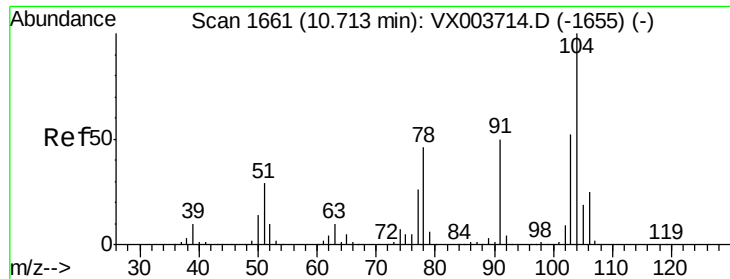
Tgt Ion:106 Resp: 44438

Ion Ratio Lower Upper

106 100

91 212.5 109.1 327.3





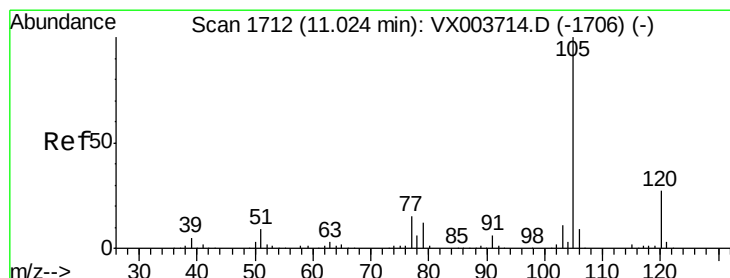
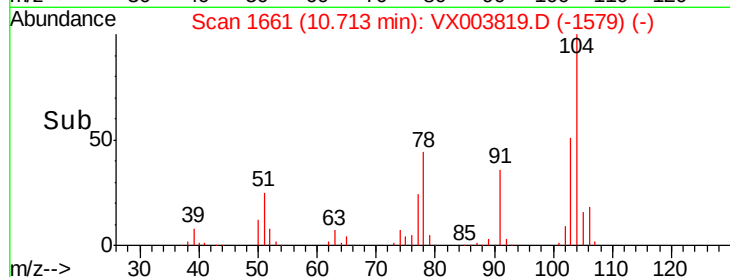
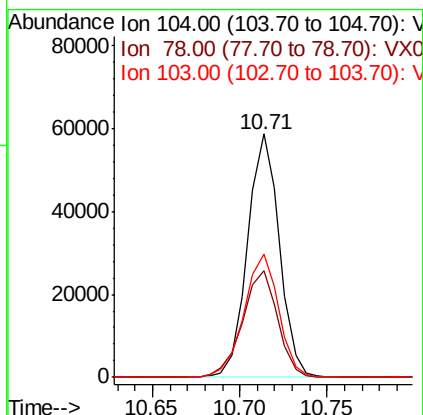
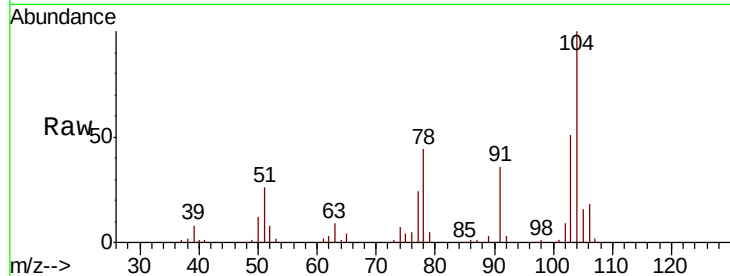
#69
Stvrene
Concen: 19.84 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	41.8	62.8
103	55.4	44.9	67.3

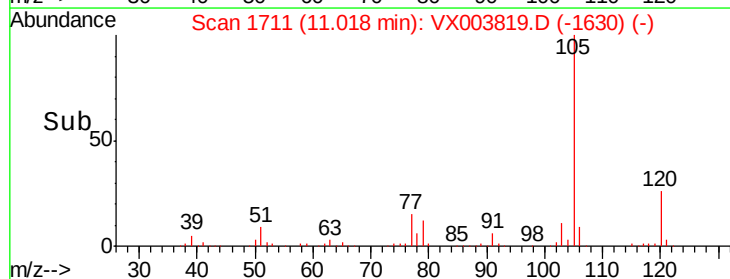
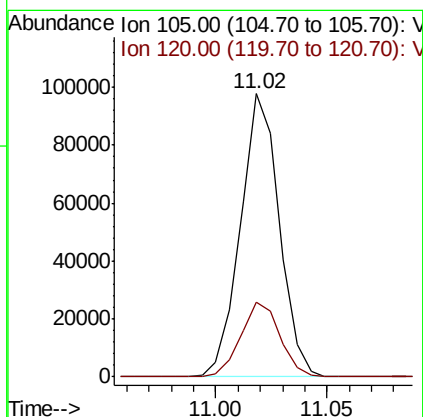
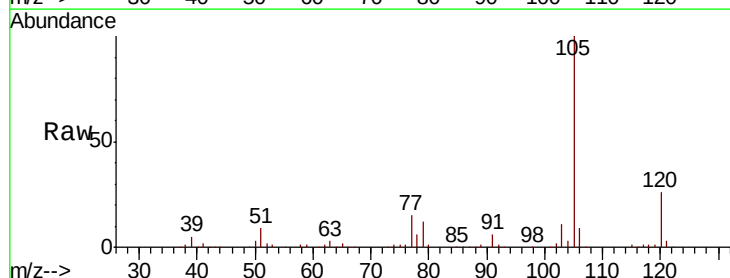
Manual Integrations
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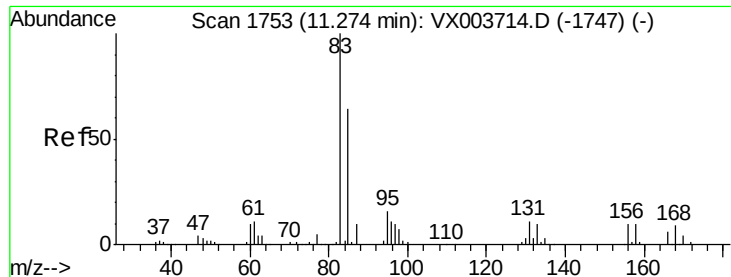
MMDadoda
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#70
Isopropylbenzene
Concen: 19.57 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.0	35.2





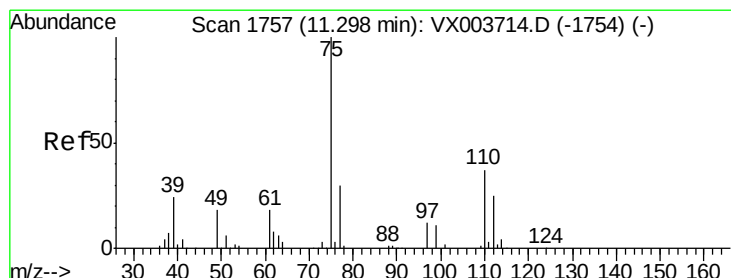
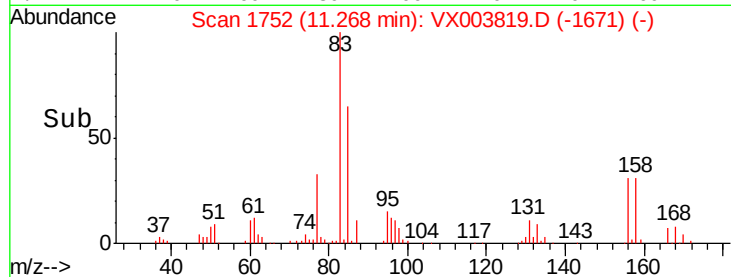
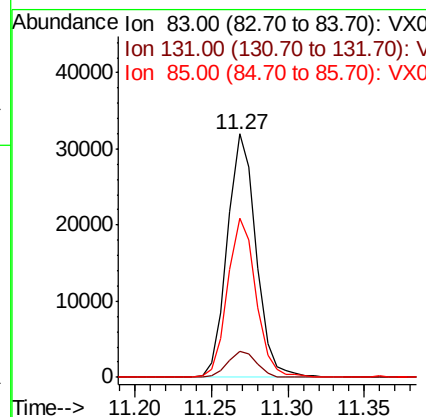
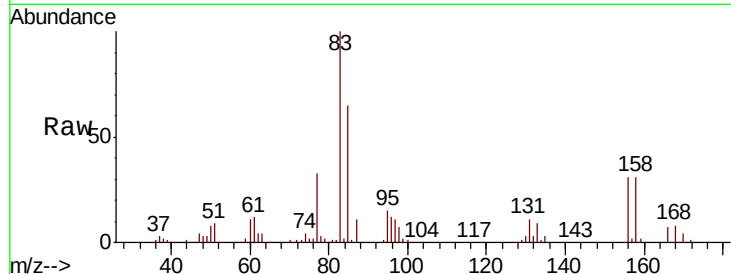
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.17 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	41654
Ion Ratio	100	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	64.8	32.4	97.2

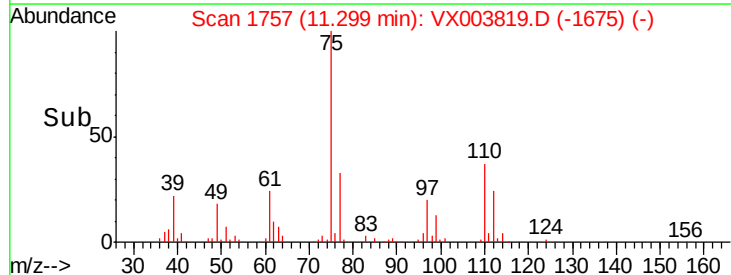
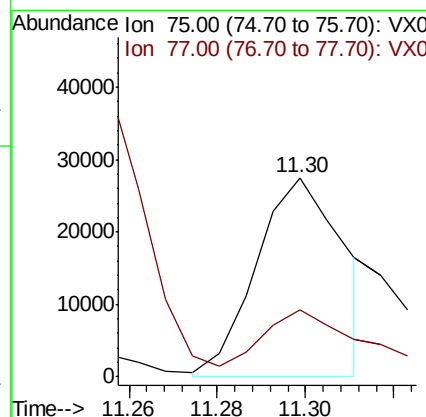
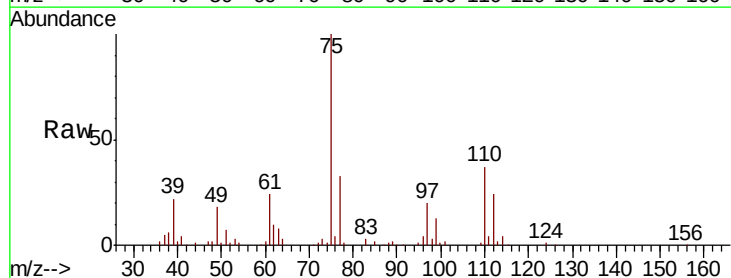
Manual Integrations
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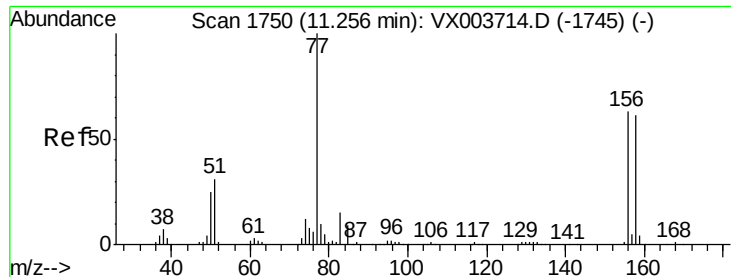
MMDadoda
 8/3/2018 9:48:13 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.86 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion	75	Resp	37702
Ion Ratio	100	Lower	Upper
75	100		
77	39.9	0.0	71.8





#73

Bromobenzene

Concen: 20.36 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion:156 Resp: 33389

Ion Ratio Lower Upper

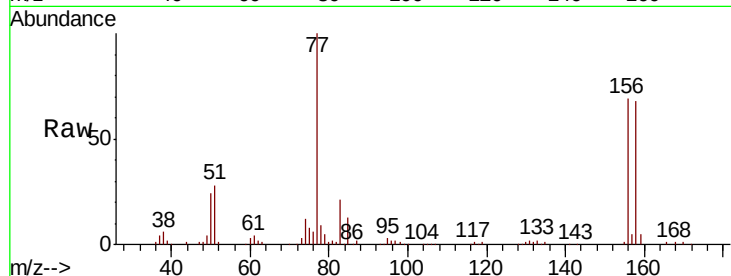
156 100

77 143.4 0.0 301.0

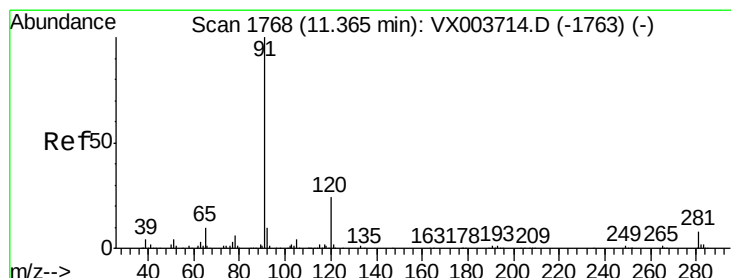
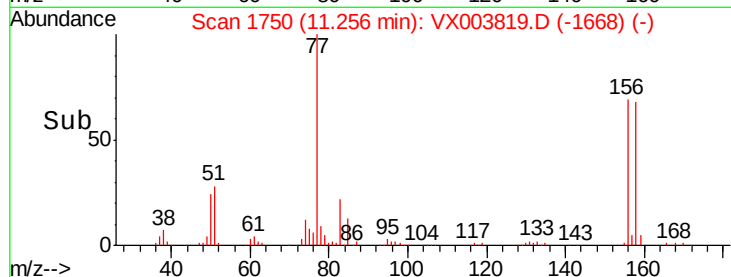
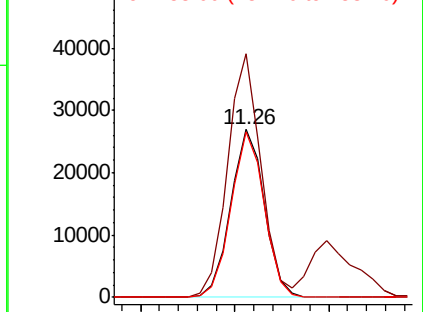
158 97.1 0.0 196.2

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.56 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003819.D

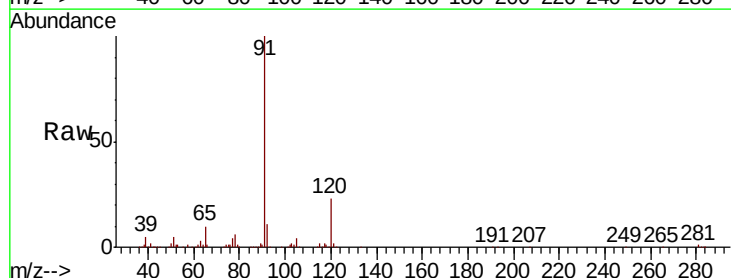
Acq: 02 Aug 2018 12:03

Tgt Ion: 91 Resp: 140227

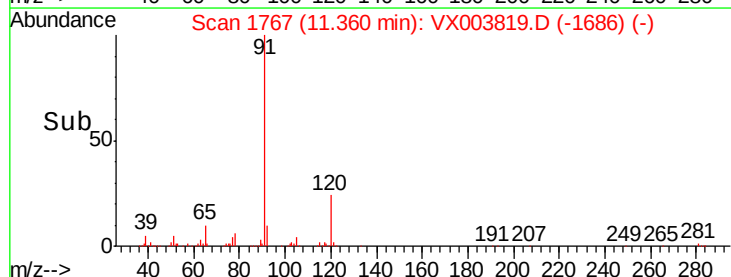
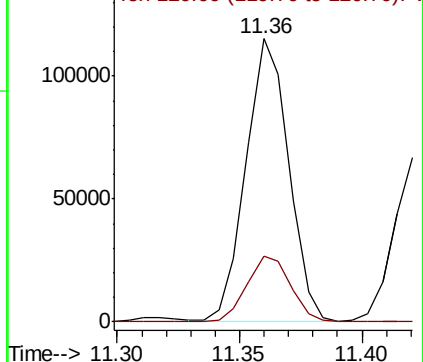
Ion Ratio Lower Upper

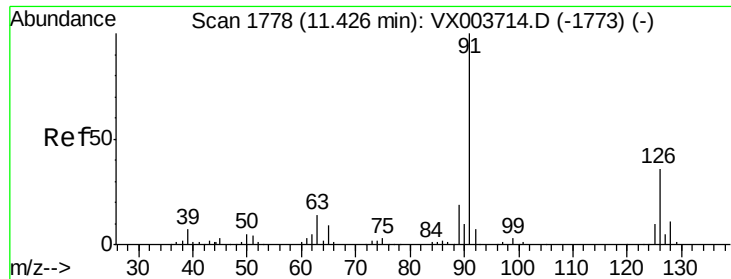
91 100

120 23.7 0.0 46.2



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





#75

2-Chlorotoluene

Concen: 19.83 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 83806

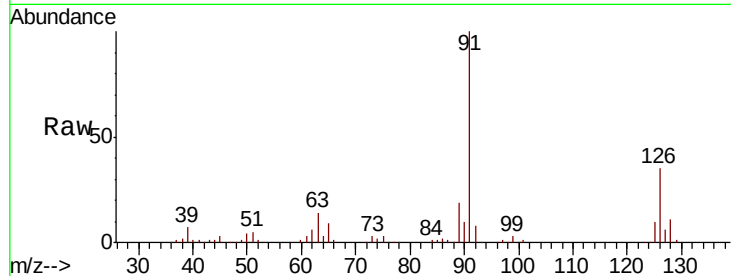
Ion Ratio Lower Upper

91 100

126 35.3 0.0 69.4

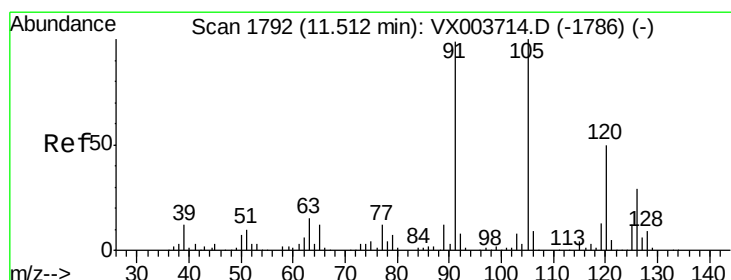
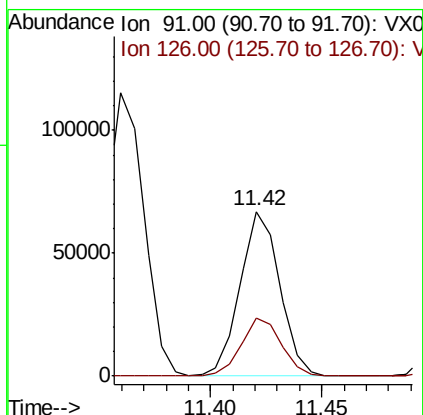
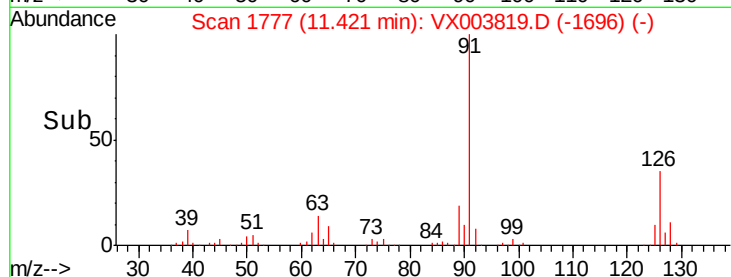
Manual Integrations
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8/3/2018 9:48:13 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.71 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003819.D

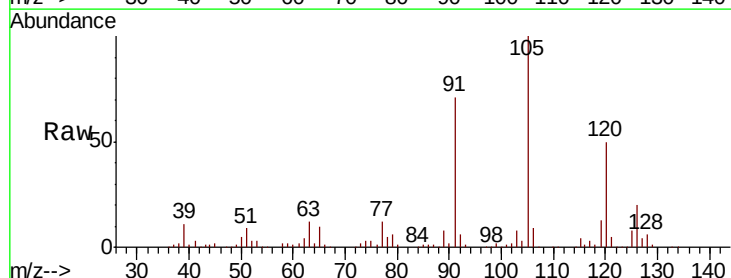
Acq: 02 Aug 2018 12:03

Tgt Ion:105 Resp: 101798

Ion Ratio Lower Upper

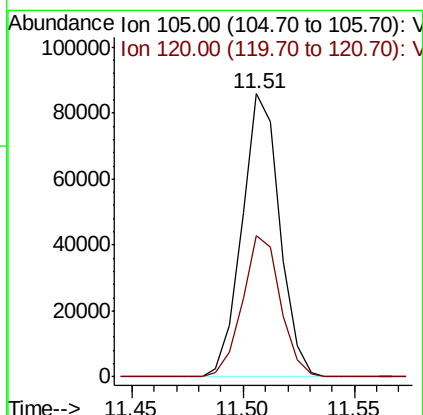
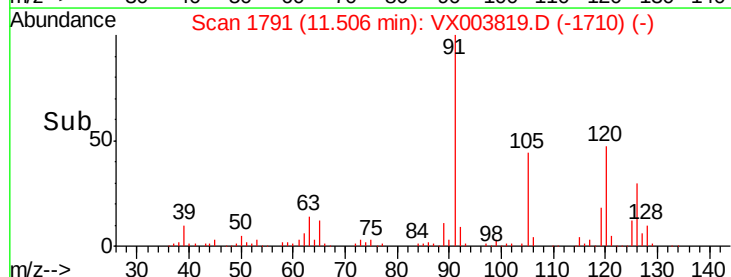
105 100

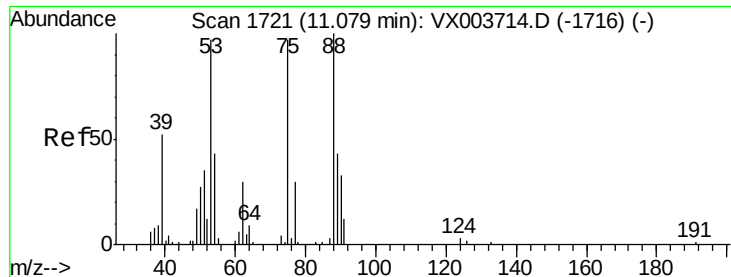
120 50.0 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 19.48 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

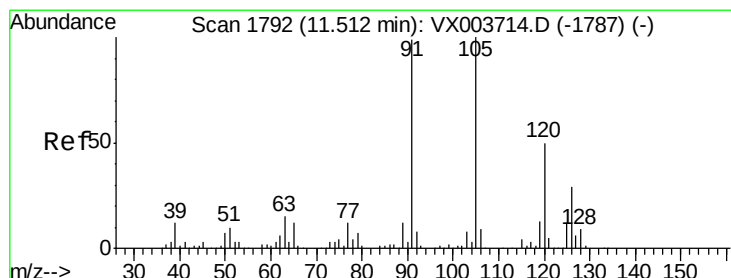
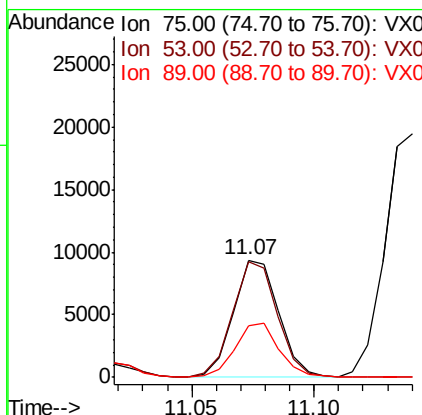
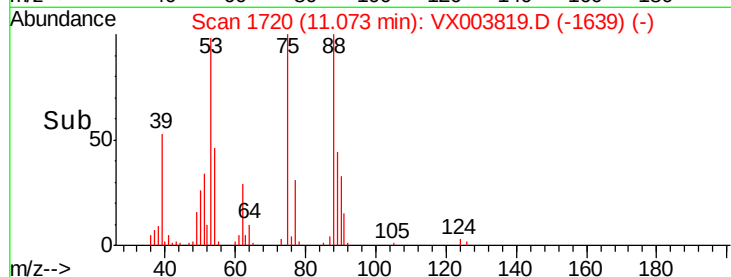
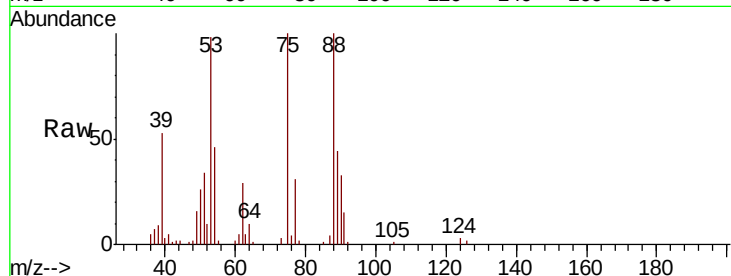
ClientSampled :

VSTDCCC020

Tot Ion:	75	Resp:	11995
Ion	Ratio	Lower	Upper
75	100		
53	98.9	48.3	144.9
89	44.3	21.8	65.4

Manual Integrations
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8/3/2018 9:48:13 AM



#78

4-Chlorotoluene

Concen: 19.76 ug/l

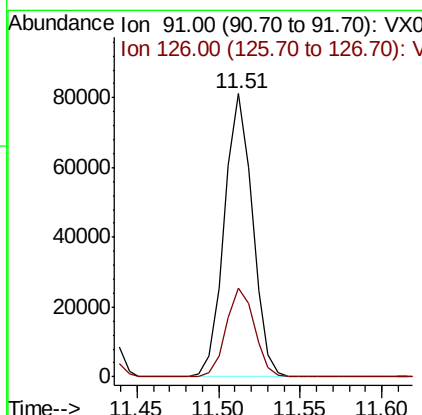
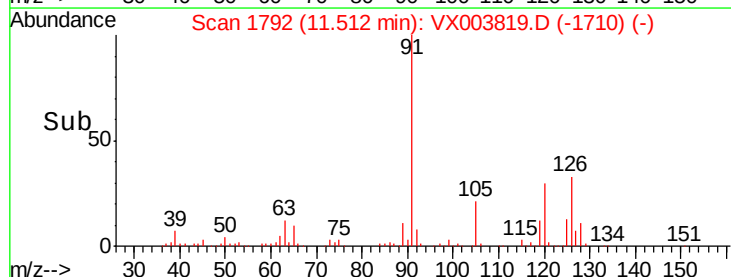
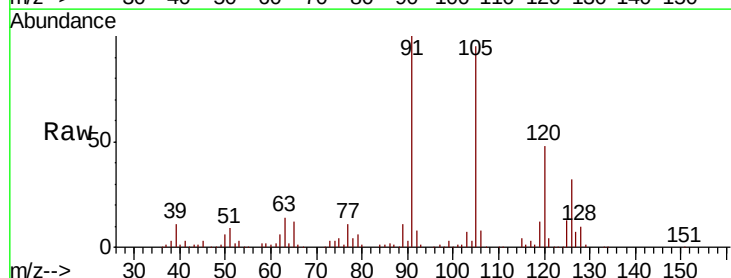
RT: 11.51 min Scan# 1792

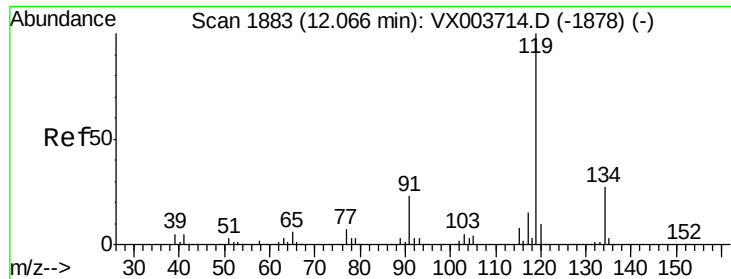
Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Tgt Ion:	91	Resp:	97700
Ion	Ratio	Lower	Upper
91	100		
126	31.4	0.0	61.0





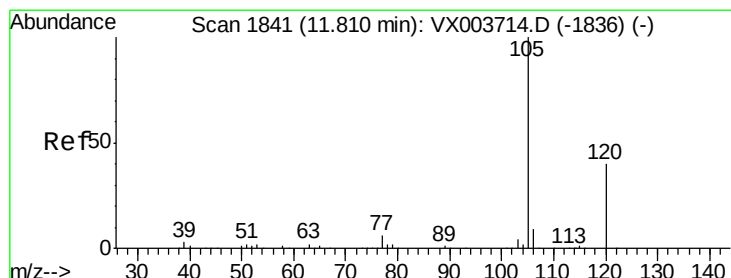
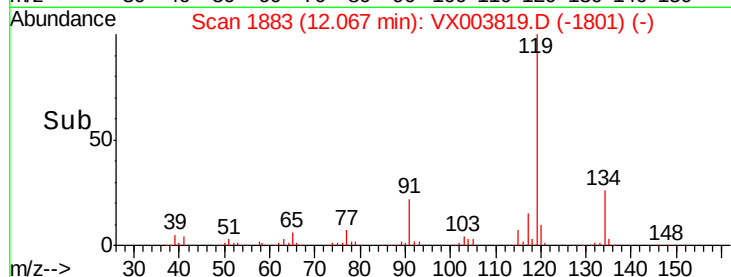
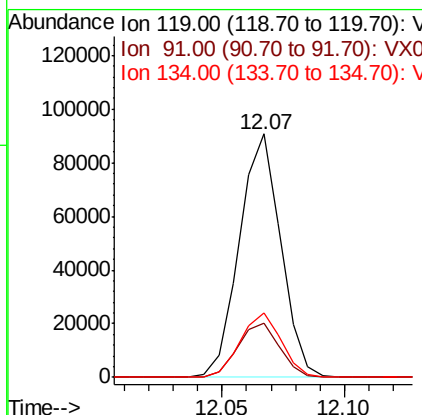
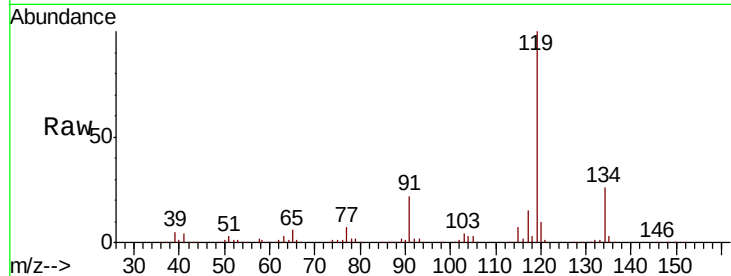
#79
tert-butylbenzene
Concen: 19.99 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	106224		
91	22.7	0.0	48.0	
134	26.6	0.0	52.6	

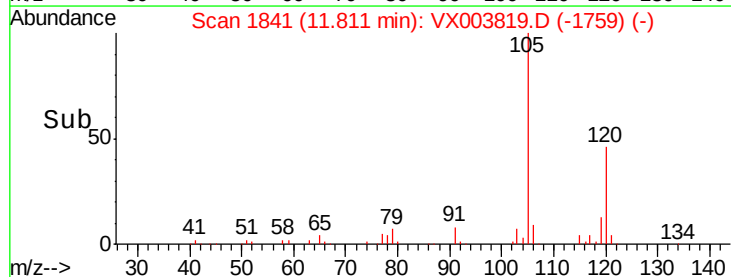
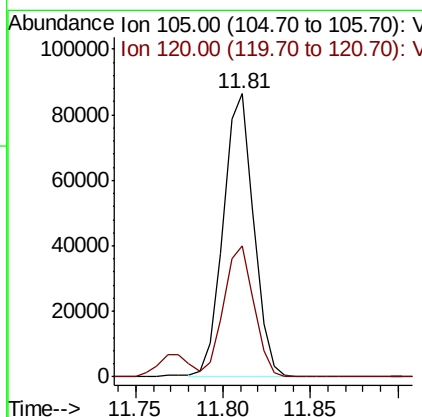
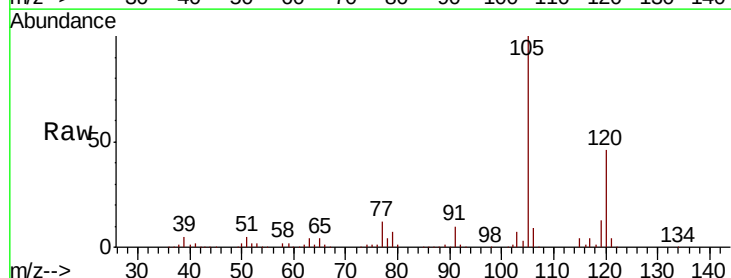
Manual Integrations
APPROVED

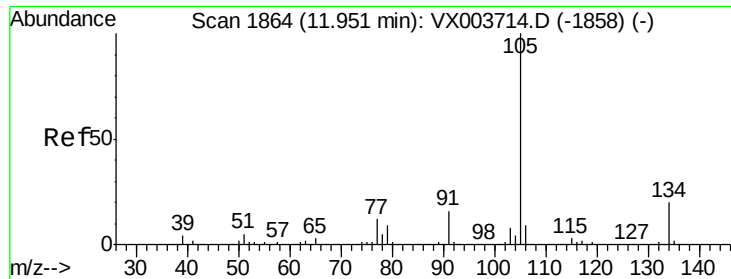
MMDadoda
8/3/2018 9:48:13 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.78 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	104546		
120	46.4	0.0	89.2	





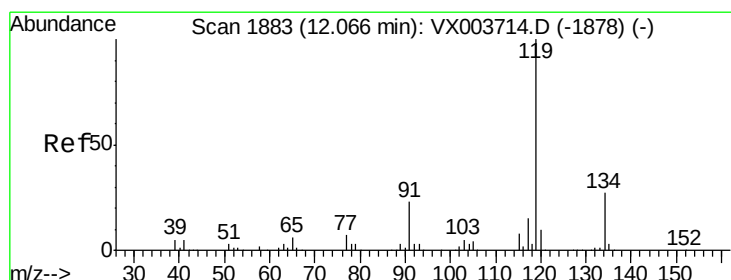
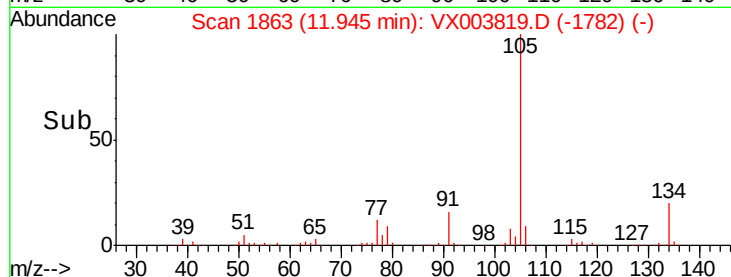
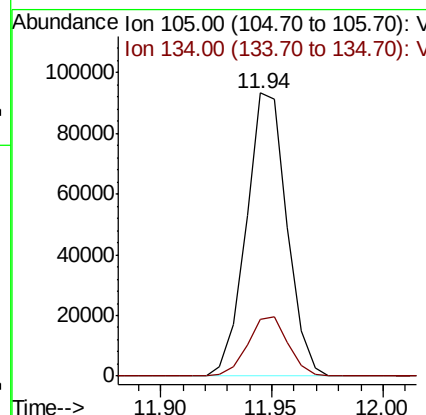
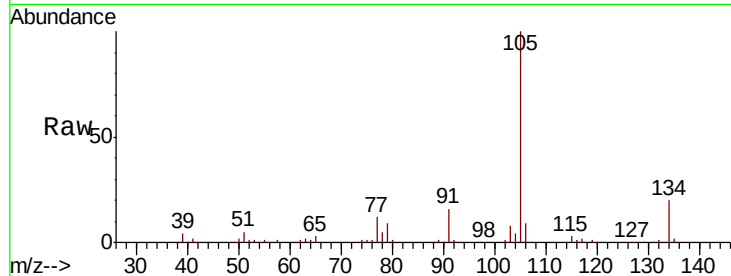
#81
 sec-Butylbenzene
 Concen: 19.78 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	41.6

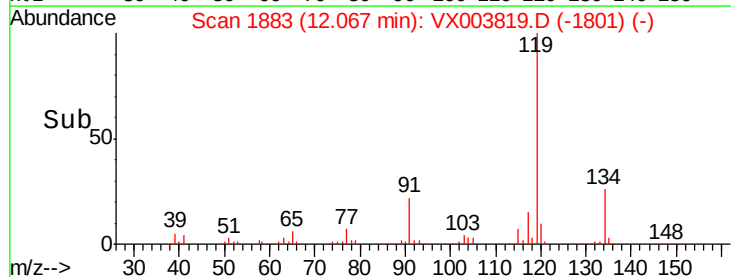
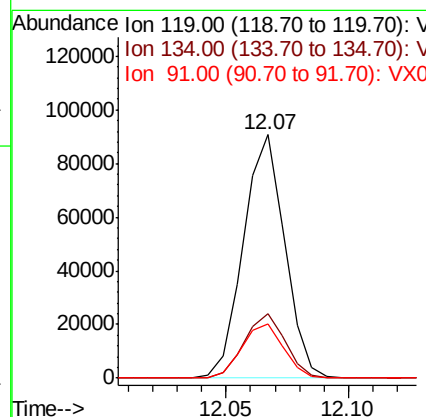
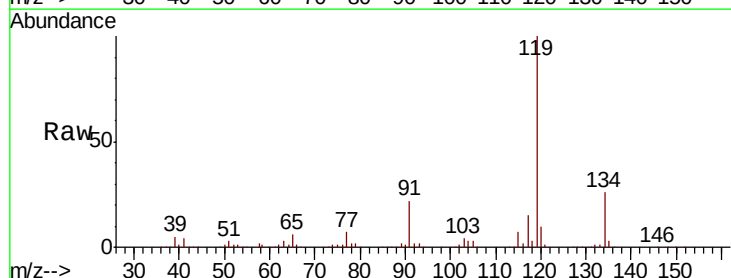
Manual Integrations
 APPROVED

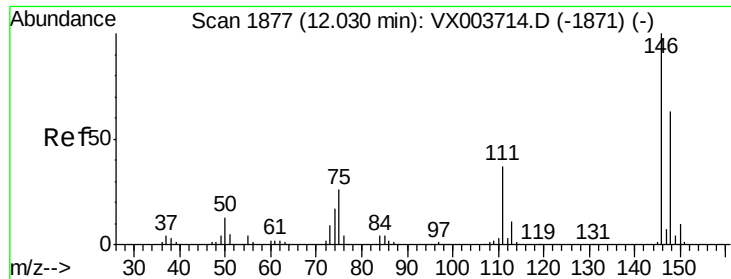
MMDadoda
 8/3/2018 9:48:13 AM



#82
 p-Isopropyltoluene
 Concen: 19.99 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	52.6
91	22.7	0.0	48.0





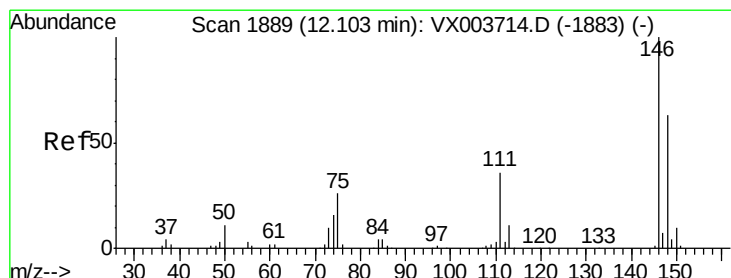
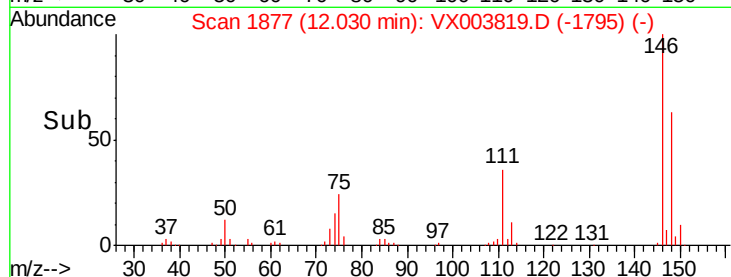
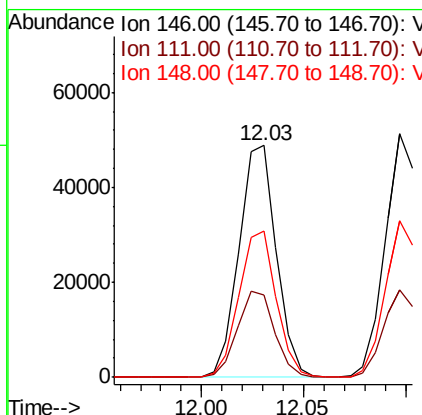
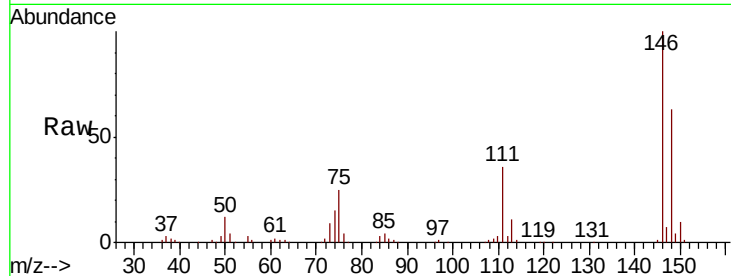
#83
 1,3-Dichlorobenzene
 Concen: 20.72 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.5
148	63.2	31.9	95.7

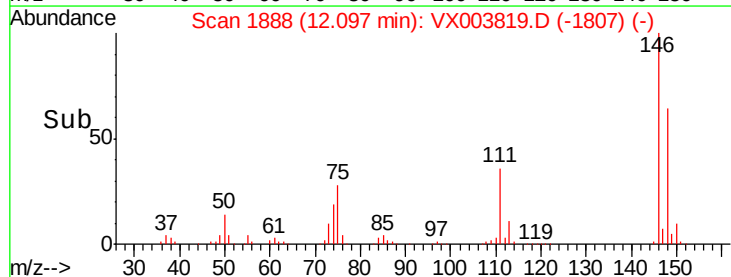
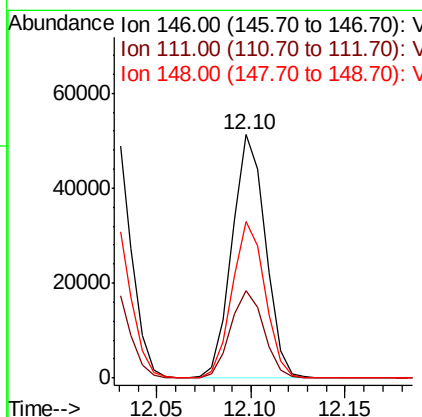
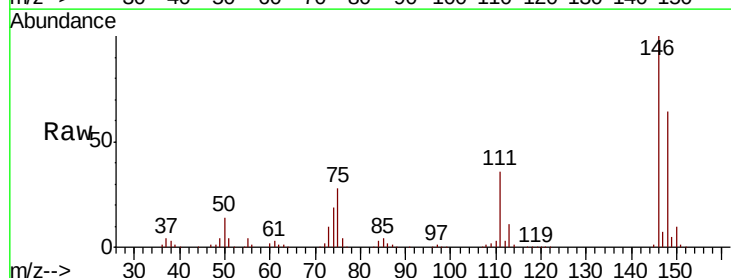
Manual Integrations
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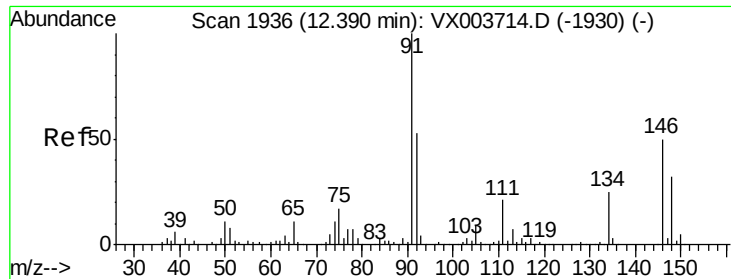
MMDadoda
 8/3/2018 9:48:13 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.96 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.5	55.5
148	63.3	32.0	96.0





#85

n-Butylbenzene

Concen: 19.60 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

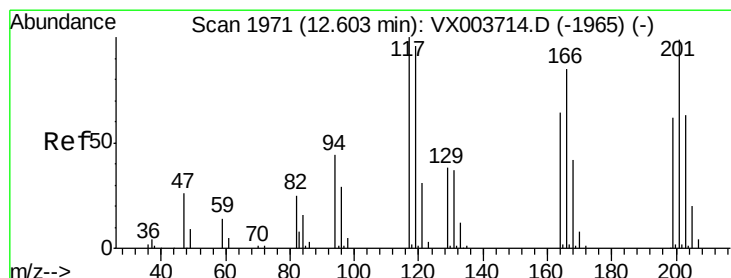
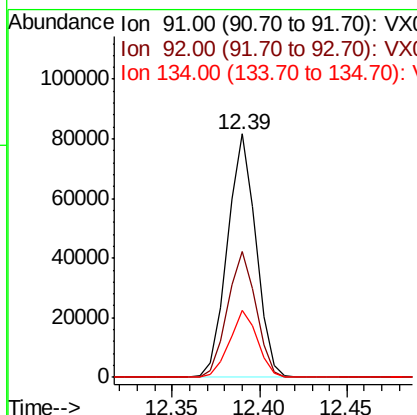
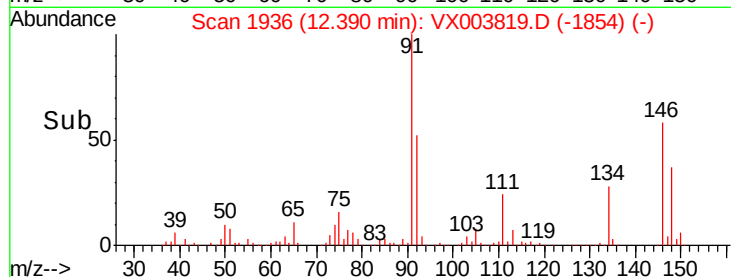
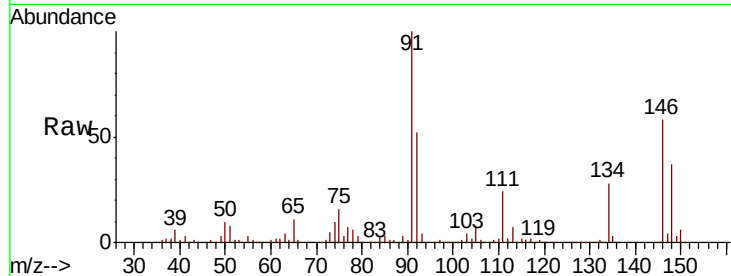
ClientSampled :

VSTDCCC020

Tot Ion:	91	Resp:	92447
Ion	Ratio	Lower	Upper
91	100		
92	51.9	0.0	105.2
134	27.2	0.0	53.2

Manual Integrations
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MMDadoda
8/3/2018 9:48:13 AM



#86

Hexachloroethane

Concen: 18.31 ug/l

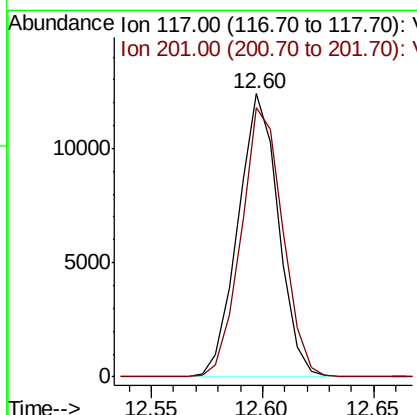
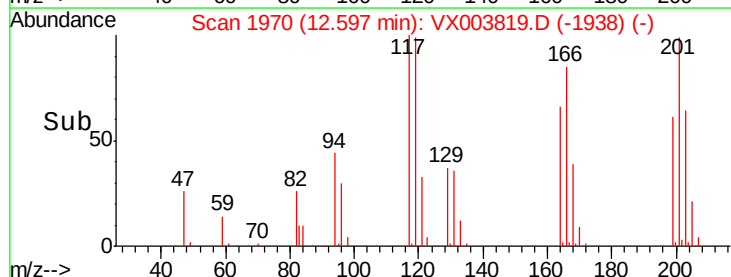
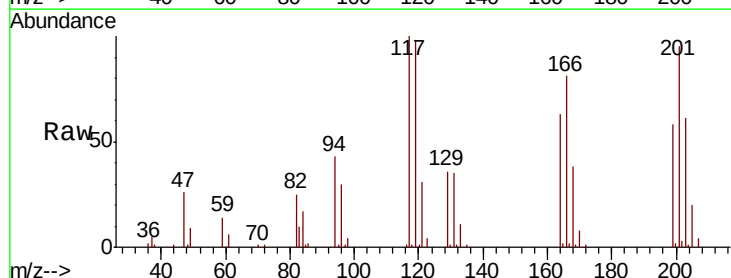
RT: 12.60 min Scan# 1970

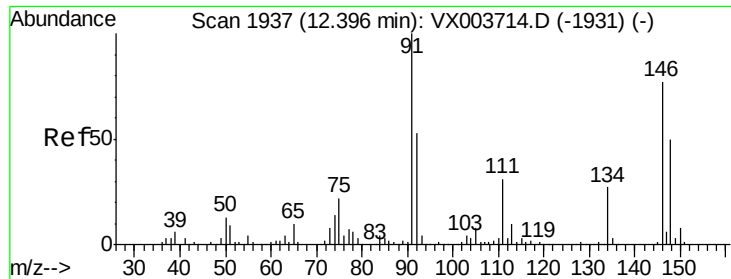
Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Tgt Ion:	117	Resp:	15675
Ion	Ratio	Lower	Upper
117	100		
201	97.6	47.6	142.8





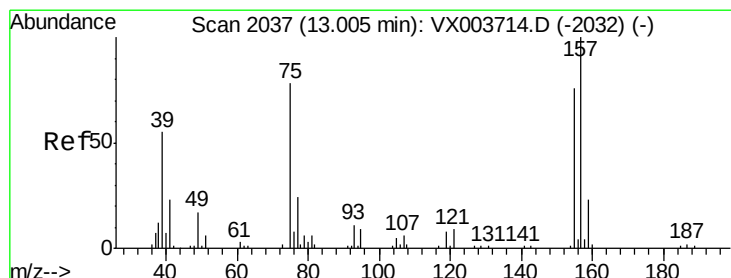
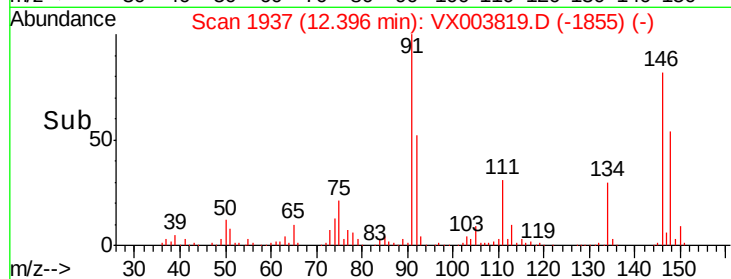
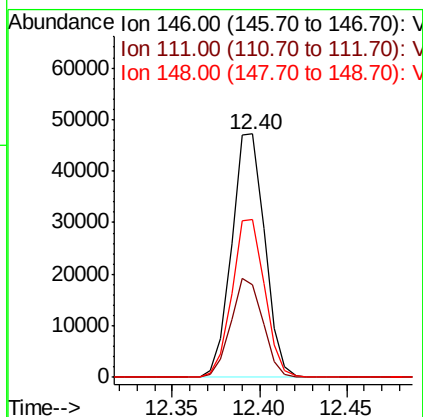
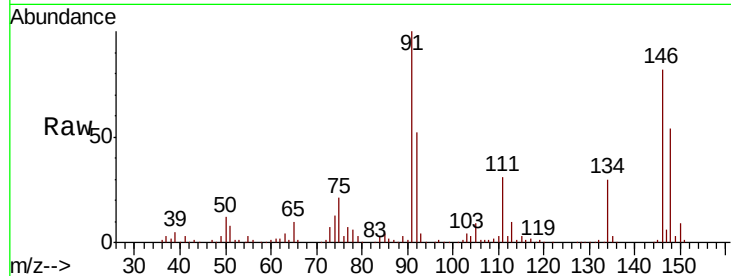
#87
 1,2-Dichlorobenzene
 Concen: 20.69 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	59.9
148	64.0	32.8	98.3

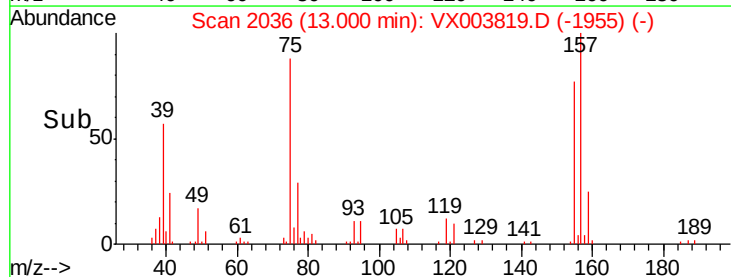
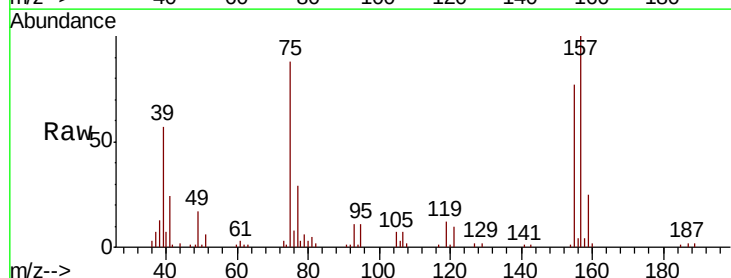
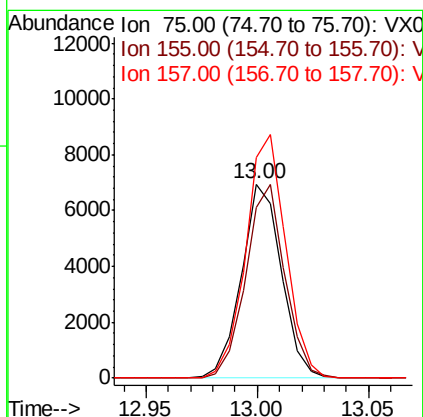
Manual Integrations
 APPROVED

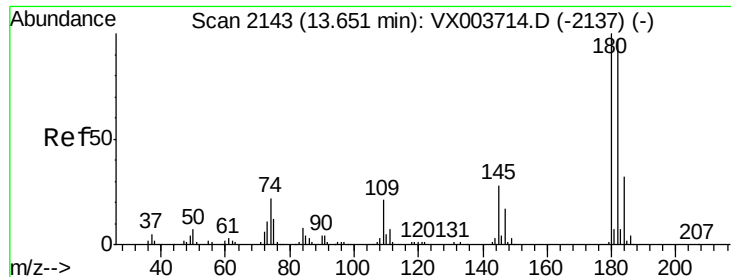
MMDadoda
 8/3/2018 9:48:13 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.01 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003819.D
 Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	73.1	109.7
157	125.1	93.1	139.7





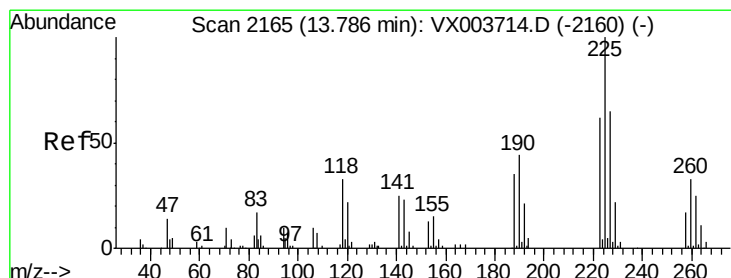
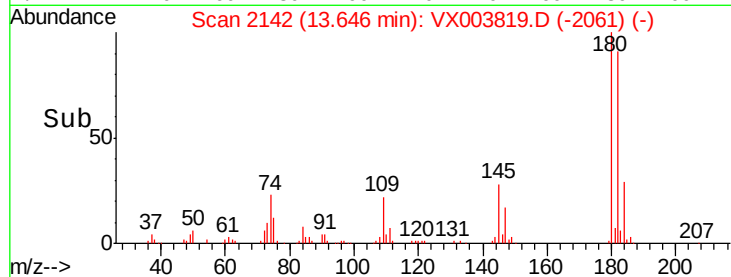
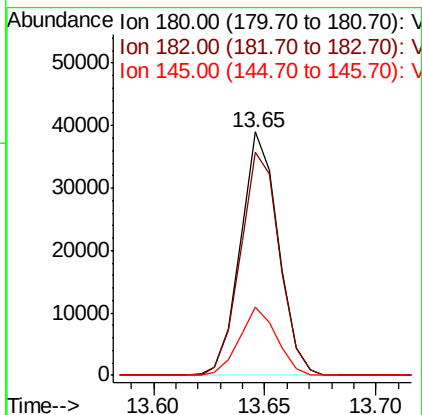
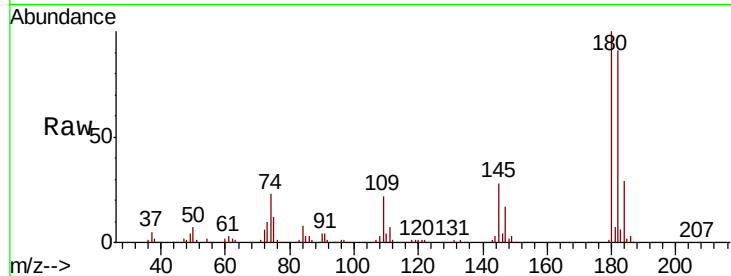
#89
1,2,4-Trichlorobenzene
Concen: 21.92 ug/l
RT: 13.65 min Scan# 2142
Delta R.T. -0.01 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
145	27.5	22.9	34.3

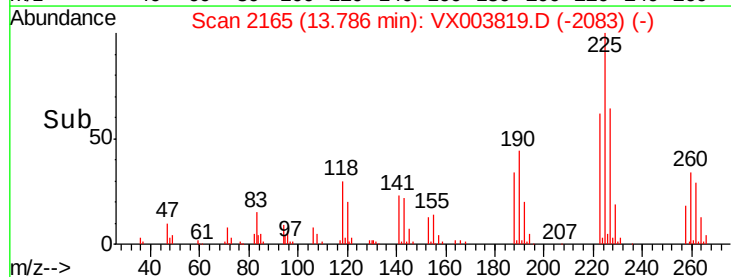
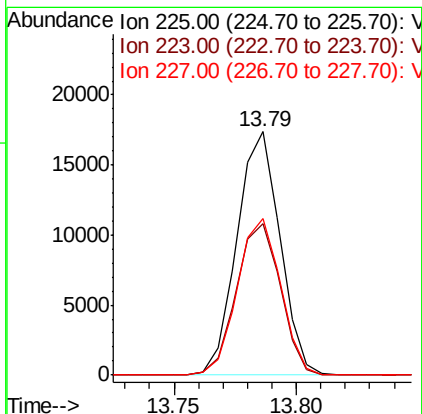
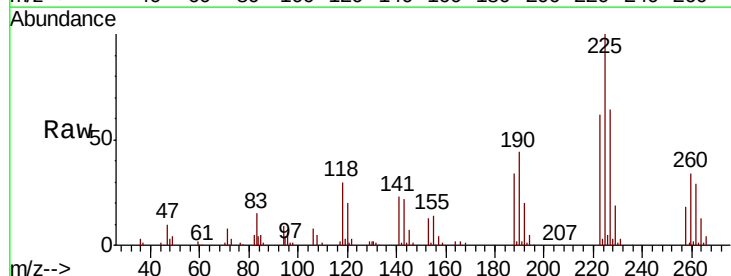
Manual Integrations
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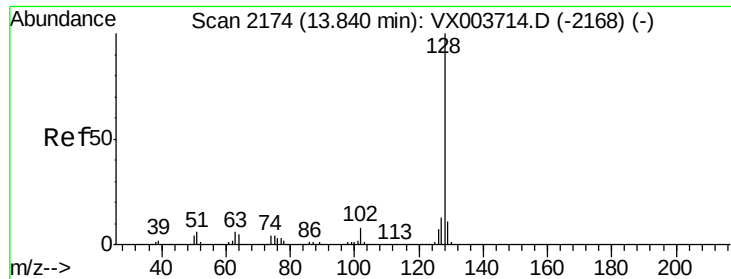
MMDadoda
8/3/2018 9:48:13 AM



#90
Hexachlorobutadiene
Concen: 22.26 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX003819.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	0.0	122.4
227	64.7	0.0	128.0





#91

Naphthalene

Concen: 20.84 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_X

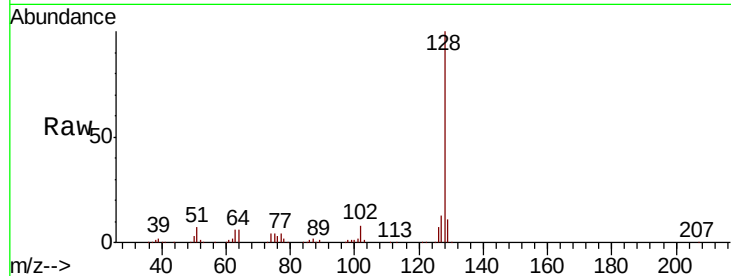
ClientSampled :

VSTDCCC020

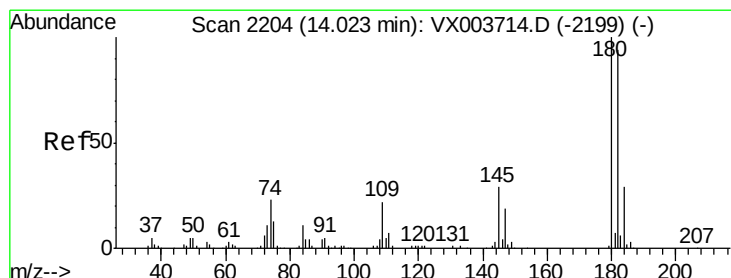
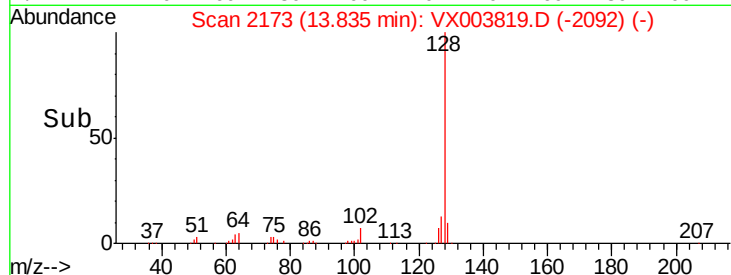
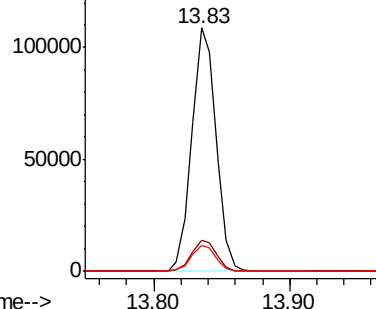
Tot Ion:	128	Resp:	134495
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.8	8.9	13.3

Manual Integrations
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8/3/2018 9:48:13 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 21.99 ug/l

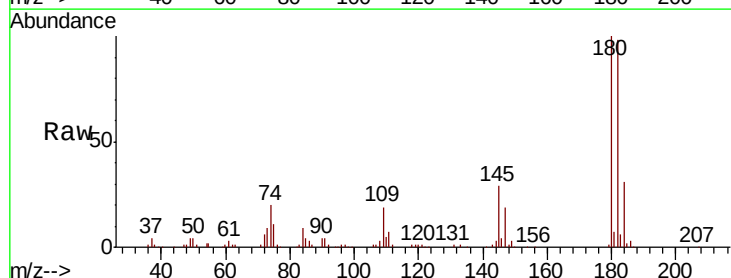
RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003819.D

Acq: 02 Aug 2018 12:03

Tgt Ion:	180	Resp:	47273
Ion Ratio	Lower	Upper	
180	100		
182	96.4	0.0	191.0
145	29.3	0.0	60.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

