

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004046.D
 Acq On : 14 Aug 2018 23:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:49:57 PM

Quant Time: Aug 15 14:40:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	304546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	455999	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	428675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270768	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	222294	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	5.50	113	183103	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
50) Toluene-d8	8.72	98	716276	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.14	95	264725	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	150563	50.79	ug/l	100
3) Chloromethane	1.32	50	176792	48.60	ug/l	99
4) Vinyl Chloride	1.40	62	195473	49.66	ug/l	100
5) Bromomethane	1.64	94	104759	52.53	ug/l	99
6) Chloroethane	1.72	64	143950	55.80	ug/l	99
7) Trichlorofluoromethane	1.93	101	270040	48.91	ug/l	95
8) Diethyl Ether	2.18	74	117760	48.85	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	166408	48.31	ug/l	99
10) Methyl Iodide	2.51	142	165524	45.49	ug/l	99
11) Tert butyl alcohol	3.04	59	217187	251.35	ug/l	99
12) 1,1-Dichloroethene	2.37	96	156583	48.87	ug/l	95
13) Acrolein	2.29	56	137443	235.13	ug/l	99
14) Allyl chloride	2.73	41	292691	48.01	ug/l	97
15) Acrylonitrile	3.14	53	548764	254.72	ug/l	100
16) Acetone	2.44	43	552305	247.57	ug/l	100
17) Carbon Disulfide	2.57	76	440888	48.52	ug/l	99
18) Methyl Acetate	2.77	43	246522	49.73	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	581623	51.53	ug/l	98
20) Methylene Chloride	2.86	84	188225	51.64	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	178663	49.10	ug/l	99
22) Diisopropyl ether	3.87	45	583019	48.81	ug/l	97
23) Vinyl Acetate	3.82	43	2591691	264.16	ug/l	99
24) 1,1-Dichloroethane	3.70	63	347002	51.29	ug/l	99
25) 2-Butanone	4.70	43	903013	248.77	ug/l	99
26) 2,2-Dichloropropane	4.59	77	204900	38.09	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	200503	49.00	ug/l	97
28) Bromochloromethane	5.03	49	157945	50.88	ug/l	99
29) Tetrahydrofuran	5.15	42	460302	248.20	ug/l	99
30) Chloroform	5.21	83	334755	50.69	ug/l	98
31) Cyclohexane	5.57	56	284384	47.95	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	281627	51.04	ug/l	99
36) 1,1-Dichloropropene	5.80	75	248316	47.86	ug/l	100
37) Ethyl Acetate	4.85	43	276635	48.96	ug/l	99
38) Carbon Tetrachloride	5.79	117	248220	49.24	ug/l	96

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 8/15/2018 4:49:57 PM

Quant Time: Aug 15 14:40:59 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	290095	49.28	ug/l	99
40) Benzene	6.15	78	769377	49.38	ug/l	100
41) Methacrylonitrile	5.06	41	148934	47.06	ug/l	99
42) 1,2-Dichloroethane	6.20	62	267111	48.97	ug/l	100
43) Isopropyl Acetate	6.46	43	427662	51.35	ug/l	100
44) Trichloroethene	7.21	130	204728	48.40	ug/l	97
45) 1,2-Dichloropropane	7.52	63	199939	50.13	ug/l	99
46) Dibromomethane	7.67	93	129822	49.80	ug/l	99
47) Bromodichloromethane	7.90	83	251116	50.87	ug/l	98
48) Methyl methacrylate	7.78	41	222630	53.10	ug/l	98
49) 1,4-Dioxane	7.76	88	98653	1045.09	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1812057	265.33	ug/l	100
52) Toluene	8.79	92	496900	50.43	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	271811	50.96	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	297023	50.29	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	201646	49.55	ug/l	99
56) Ethyl methacrylate	9.18	69	297463	53.76	ug/l	99
57) 1,3-Dichloropropane	9.37	76	341923	50.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	771253	273.71	ug/l	99
59) 2-Hexanone	9.50	43	1383827	269.24	ug/l	100
60) Dibromochloromethane	9.59	129	202303	51.66	ug/l	99
61) 1,2-Dibromoethane	9.68	107	210911	50.84	ug/l	100
64) Tetrachloroethene	9.34	164	205032	50.46	ug/l	93
65) Chlorobenzene	10.14	112	529676	47.83	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.23	131	194946	51.62	ug/l	98
67) Ethyl Benzene	10.26	91	913049	52.07	ug/l	97
68) m/p-Xylenes	10.36	106	717939	104.56	ug/l	98
69) o-Xylene	10.70	106	345599	52.67	ug/l	96
70) Styrene	10.71	104	589929	53.42	ug/l	98
71) Bromoform	10.86	173	156293	52.19	ug/l	99
73) Isopropylbenzene	11.02	105	953306	52.03	ug/l	97
74) N-amyl acetate	6.46	43	427662	49.62	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	312241	48.80	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	279646m	51.50	ug/l	
77) Bromobenzene	11.26	156	250570	49.61	ug/l	98
78) n-propylbenzene	11.36	91	1077656	52.55	ug/l	99
79) 2-Chlorotoluene	11.42	91	612173	48.99	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	756534	50.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	83154	47.40	ug/l	98
82) 4-Chlorotoluene	11.51	91	721162	48.82	ug/l	100
83) tert-Butylbenzene	11.77	119	783654	51.80	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	794712	51.14	ug/l	98
85) sec-Butylbenzene	11.94	105	931003	52.58	ug/l	99
86) p-Isopropyltoluene	12.07	119	842042	52.53	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	465571	48.33	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	459714	46.37	ug/l	99
89) n-Butylbenzene	12.39	91	681582	53.96	ug/l	98
90) Hexachloroethane	12.60	117	116655	48.64	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	435392	50.11	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	56451	50.20	ug/l	99

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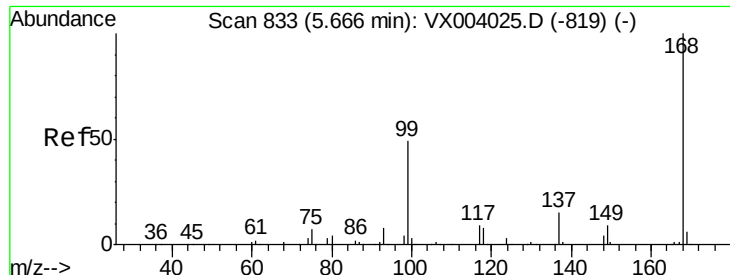
Manual Integrations
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Quant Time: Aug 15 14:40:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	302243	50.89	ug/l	98
94) Hexachlorobutadiene	13.79	225	138745	46.60	ug/l	98
95) Naphthalene	13.83	128	957219	50.55	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	316810	48.92	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 304546

Ion Ratio Lower Upper

168 100

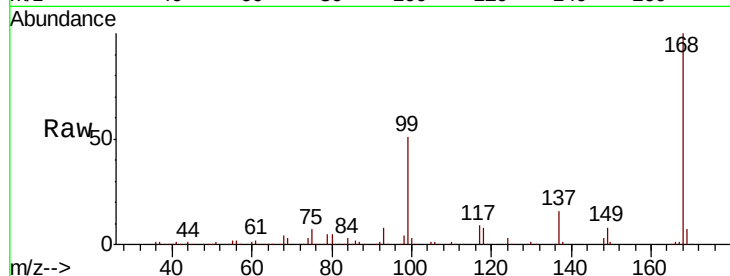
99 51.2 40.1 60.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

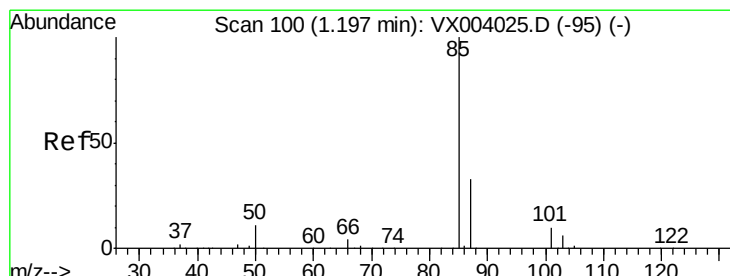
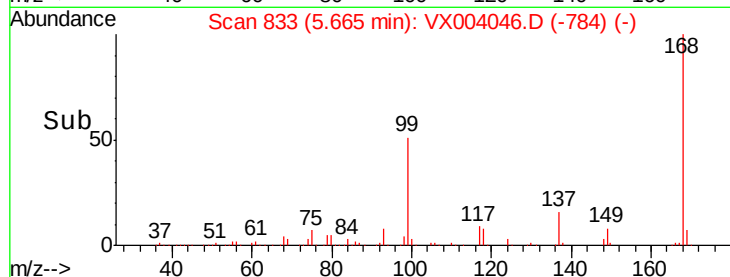
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.79 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004046.D

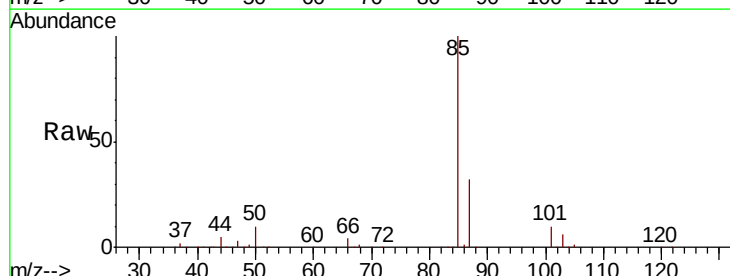
Acq: 14 Aug 2018 23:29

Tgt Ion: 85 Resp: 150563

Ion Ratio Lower Upper

85 100

87 32.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

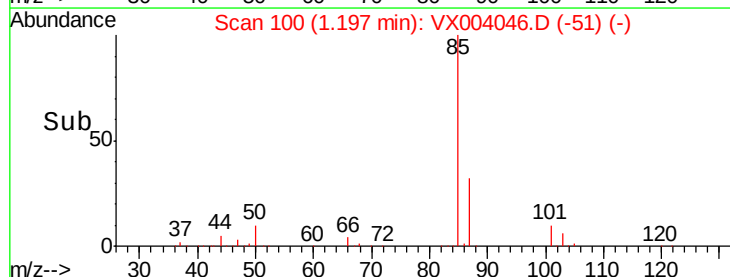
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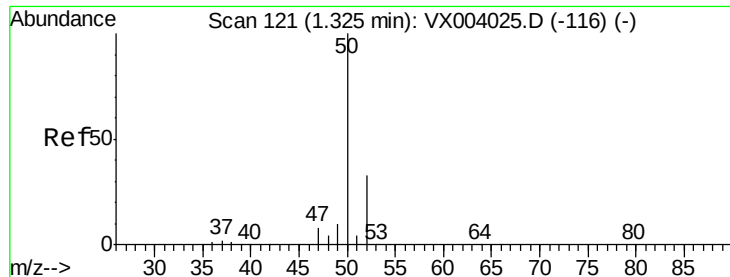
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 48.60 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 176792

Ion Ratio Lower Upper

50 100

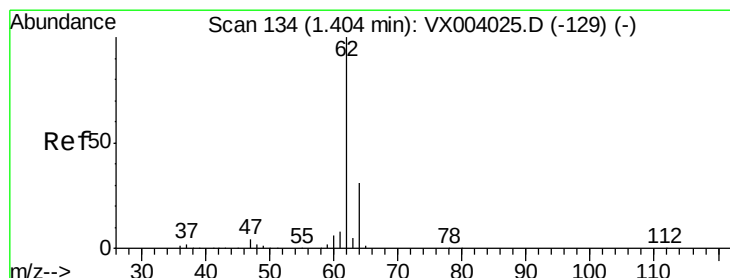
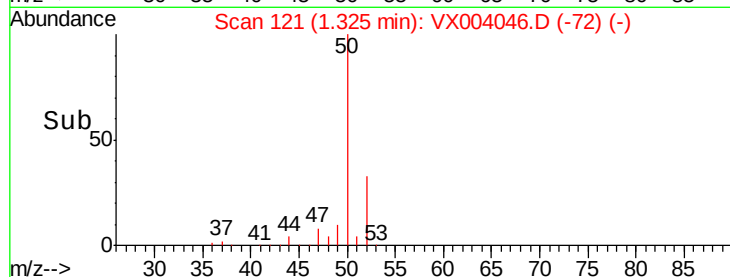
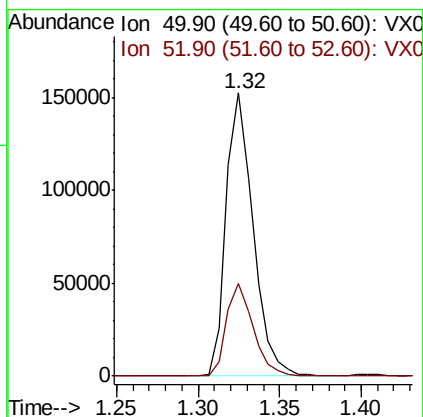
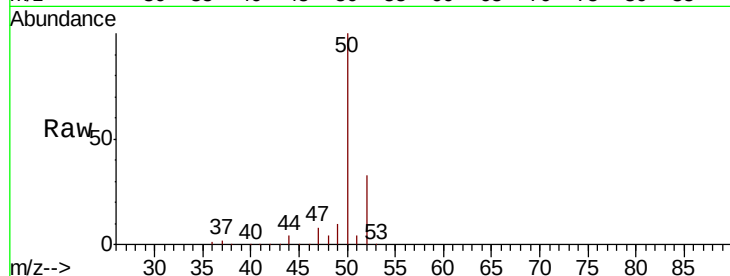
52 32.6 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.66 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004046.D

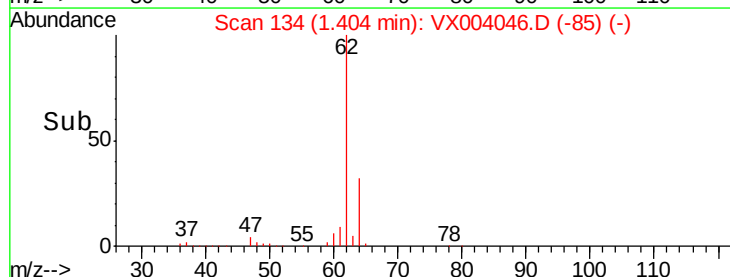
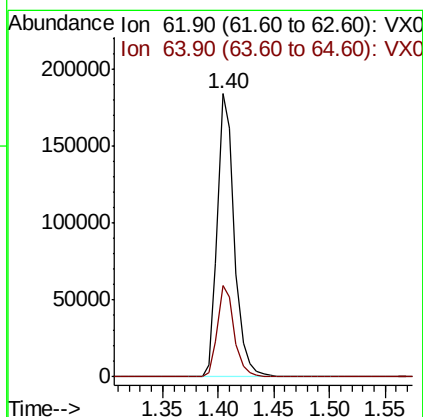
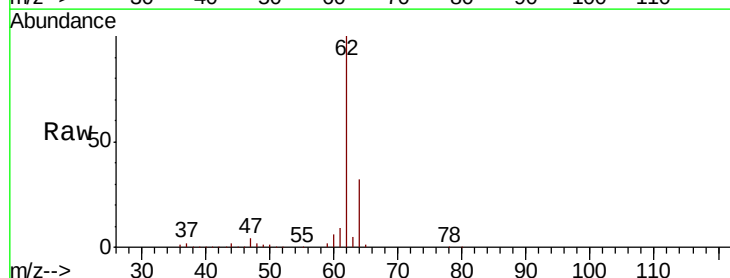
Acq: 14 Aug 2018 23:29

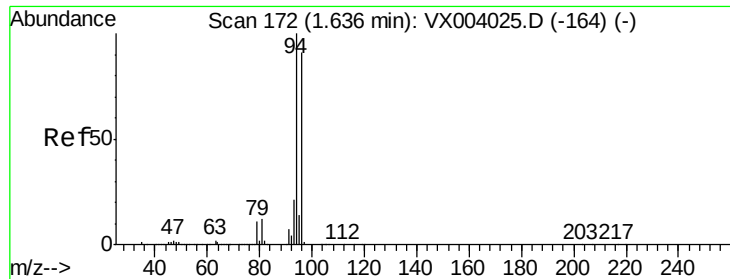
Tgt Ion: 62 Resp: 195473

Ion Ratio Lower Upper

62 100

64 32.3 26.0 39.0





#5

Bromomethane

Concen: 52.53 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 104759

Ion Ratio Lower Upper

94 100

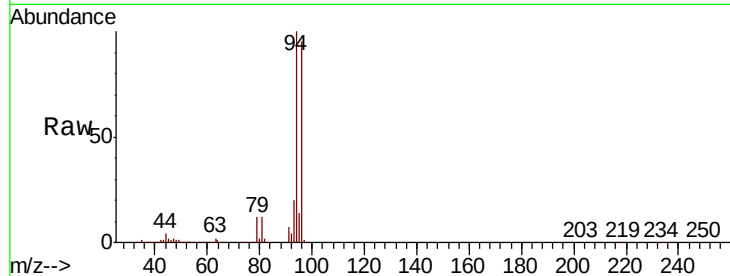
96 95.2 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

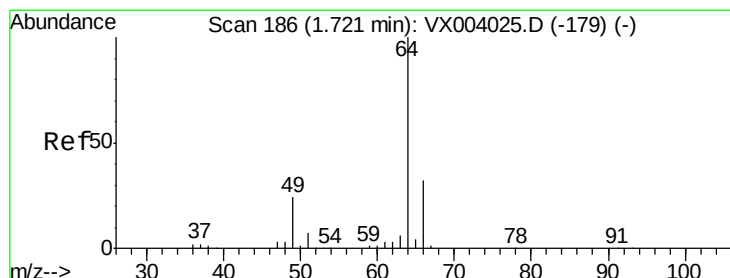
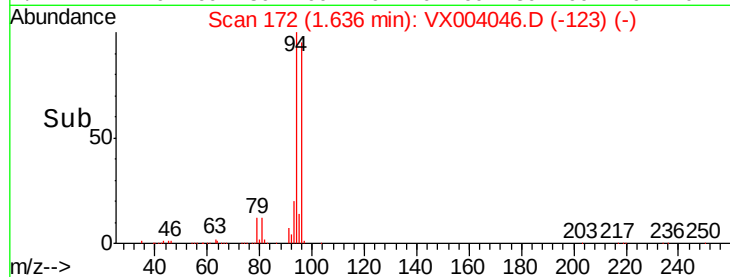
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 55.80 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004046.D

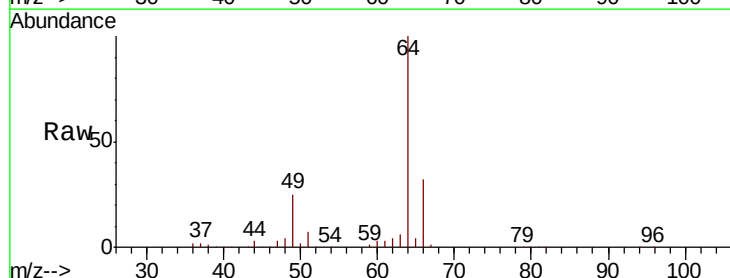
Acq: 14 Aug 2018 23:29

Tgt Ion: 64 Resp: 143950

Ion Ratio Lower Upper

64 100

66 32.4 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100000

80000

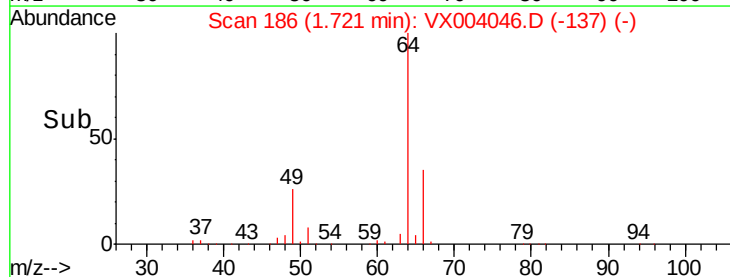
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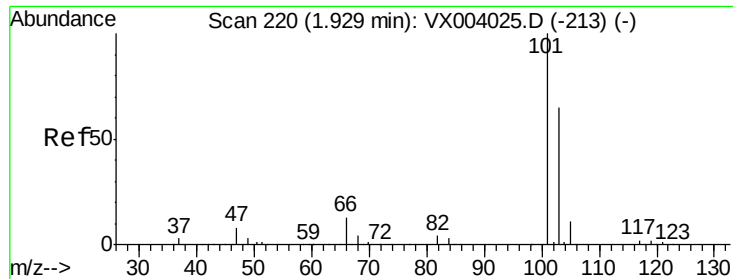
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20000

0

Time-->





#7

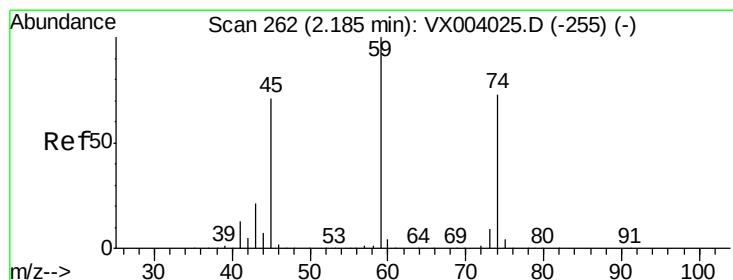
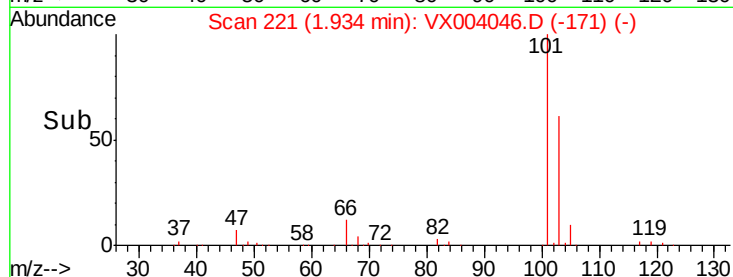
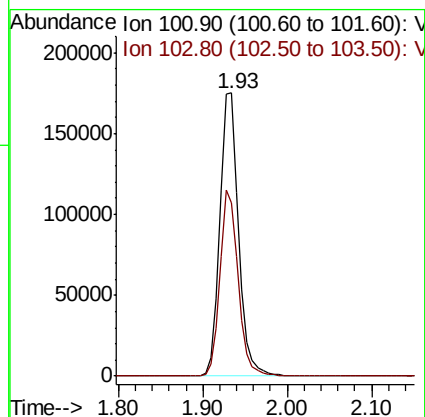
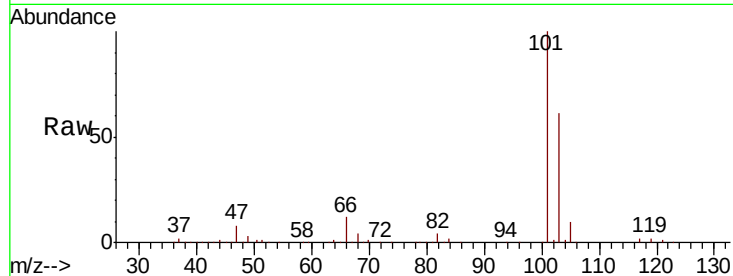
Trichlorofluoromethane
Concen: 48.91 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	52.3	78.5

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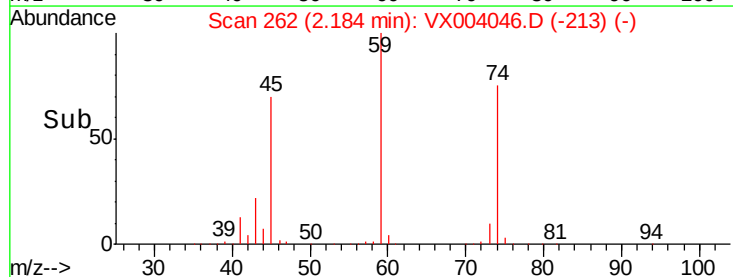
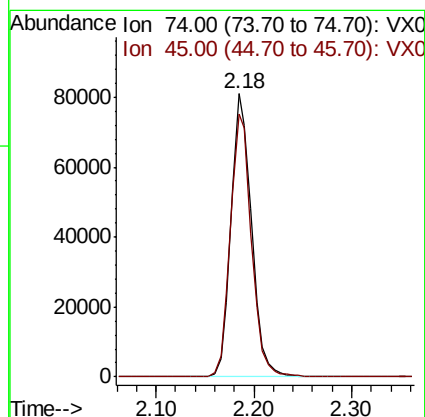
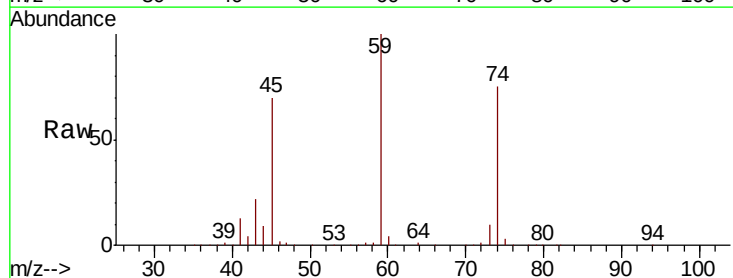
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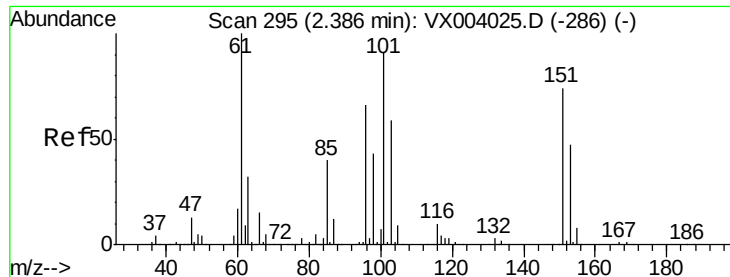


#8

Diethyl Ether
Concen: 48.85 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.31 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

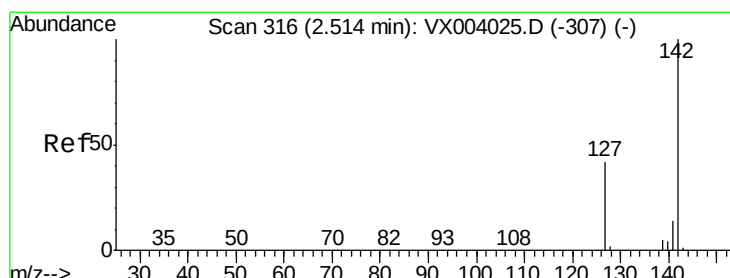
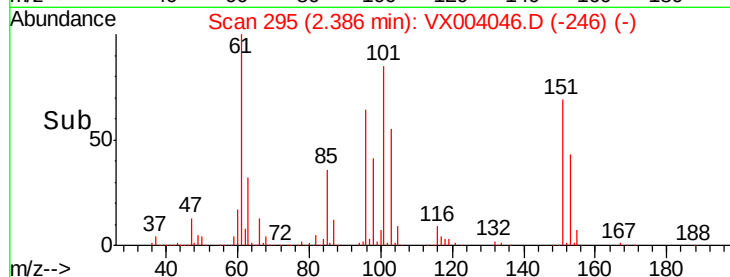
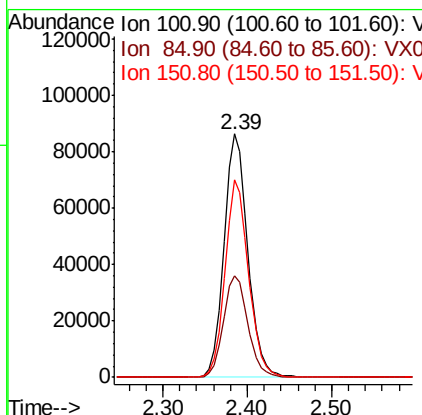
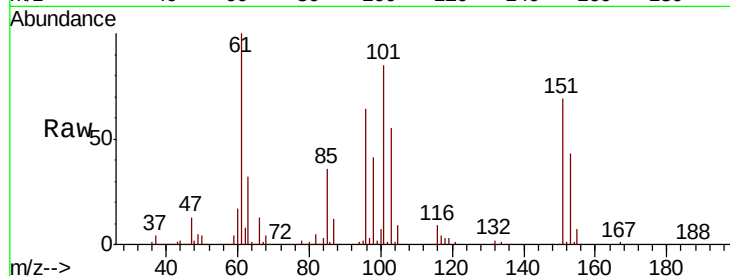
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	166408
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.4
151	80.3	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 45.49 ug/l

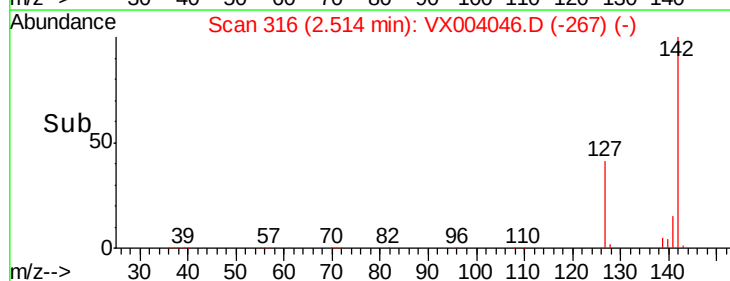
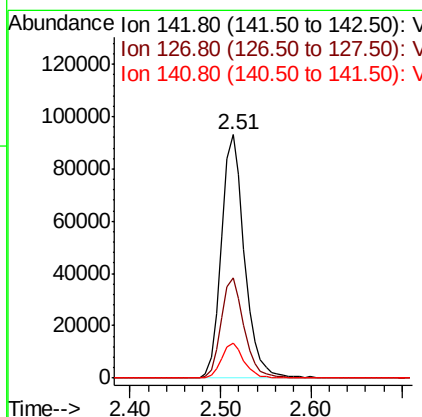
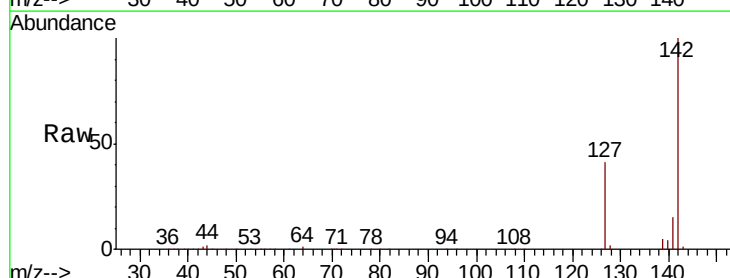
RT: 2.51 min Scan# 316

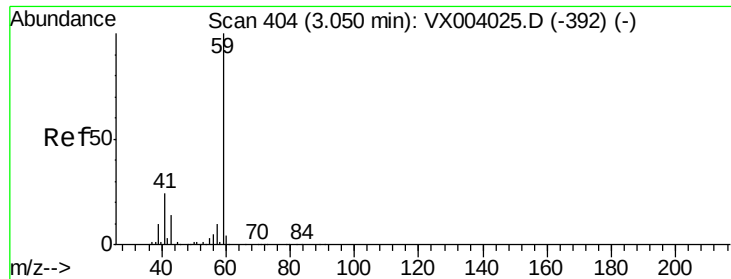
Delta R.T. 0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Tgt Ion:	142	Resp:	165524
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.1	49.7
141	14.2	11.1	16.7





#11

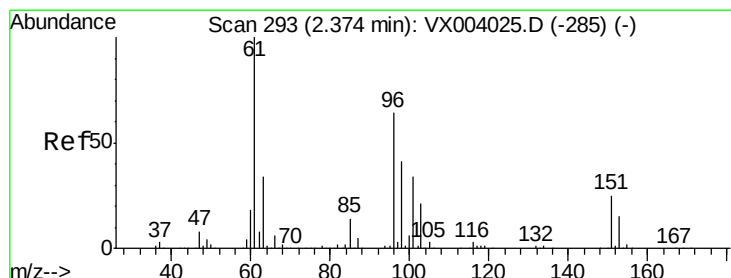
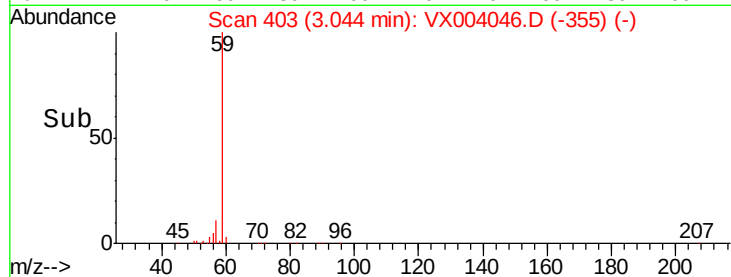
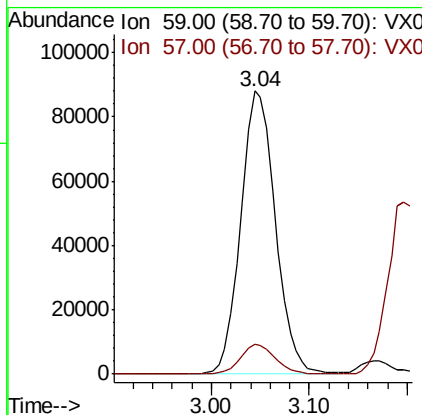
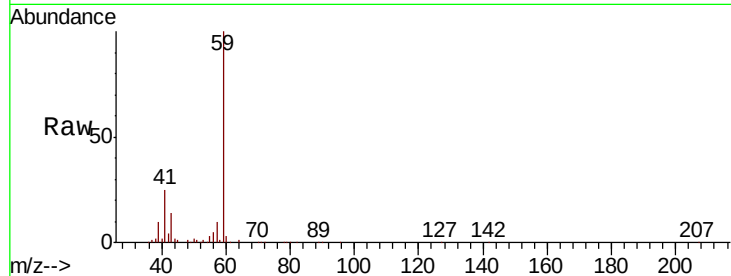
Tert butyl alcohol
 Concen: 251.35 ug/l
 RT: 3.04 min Scan# 403
 Delta R.T. -0.01 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1

Manual Integrations
 APPROVED

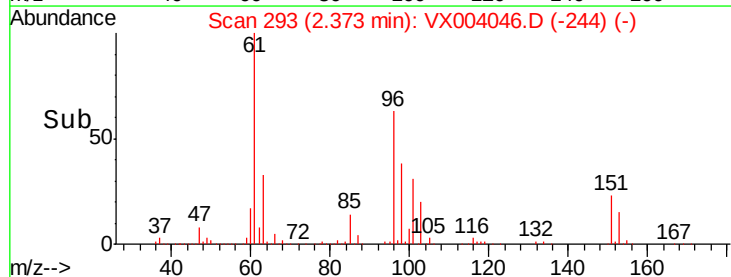
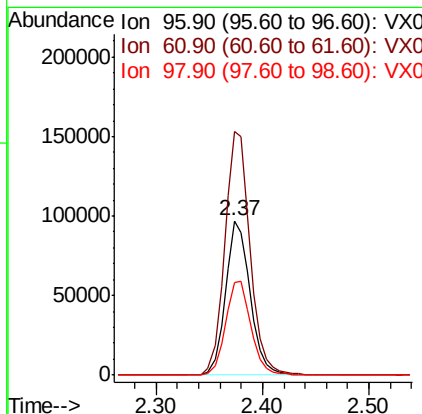
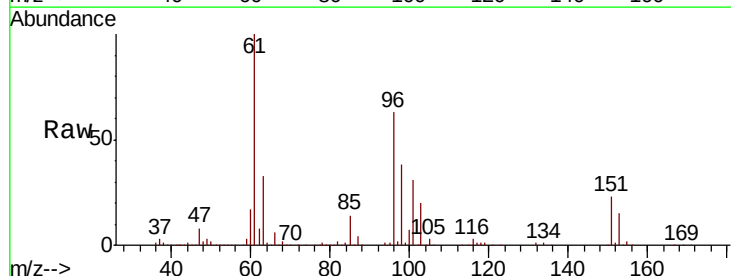
MMDadoda
 8/15/2018 4:49:57 PM

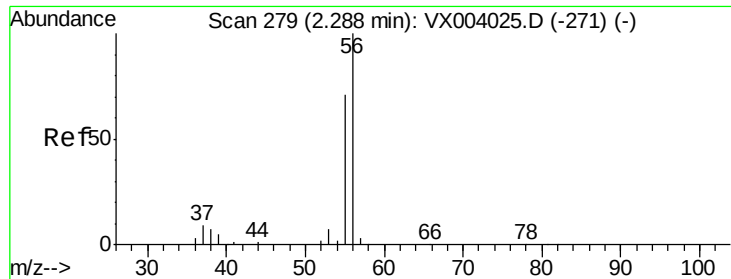


#12

1,1-Dichloroethene
 Concen: 48.87 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	131.3	196.9
98	60.2	51.8	77.6





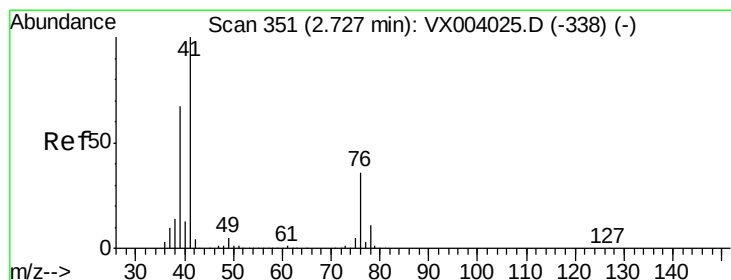
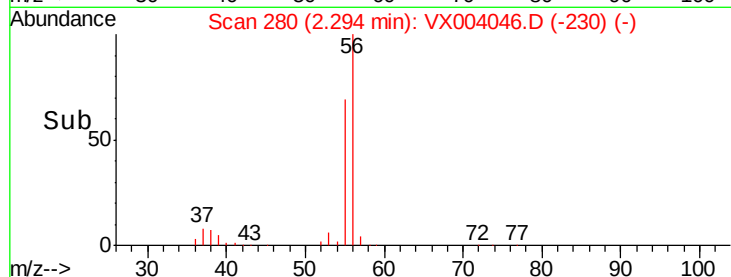
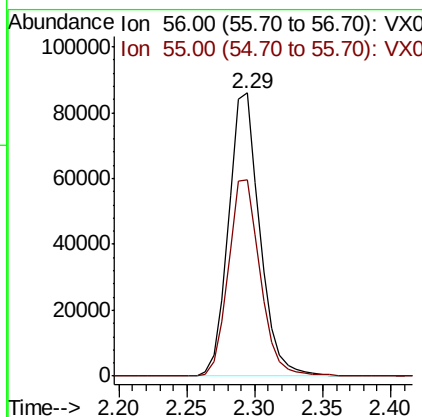
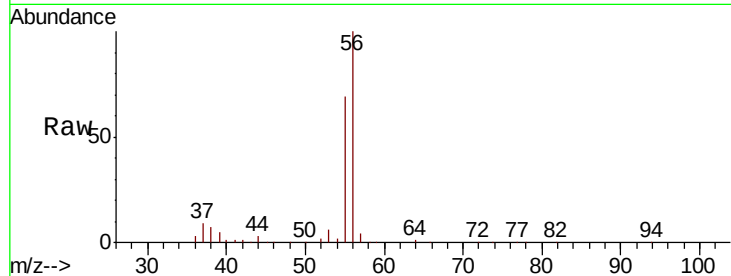
#13
Acrolein
Concen: 235.13 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.1	84.1

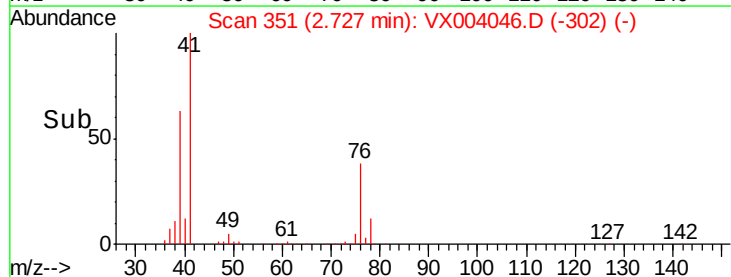
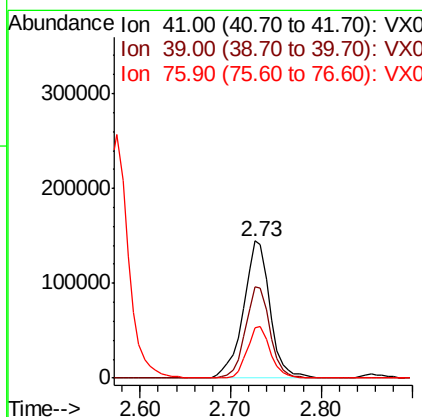
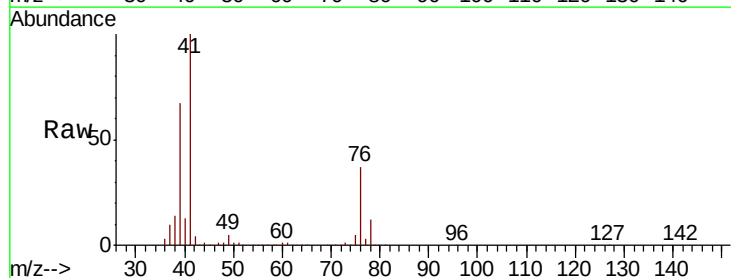
Manual Integrations
APPROVED

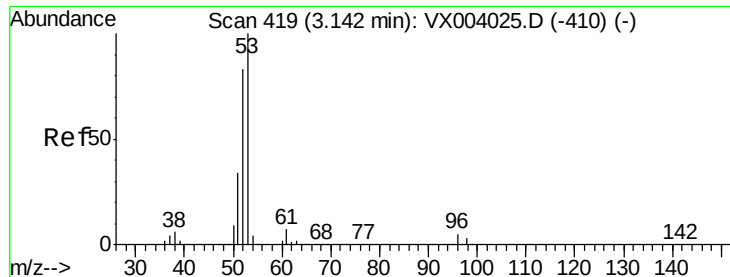
MMDadoda
8/15/2018 4:49:57 PM



#14
Allyl chloride
Concen: 48.01 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.1	47.4	71.0
76	33.1	26.0	39.0





#15

Acrylonitrile

Concen: 254.72 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

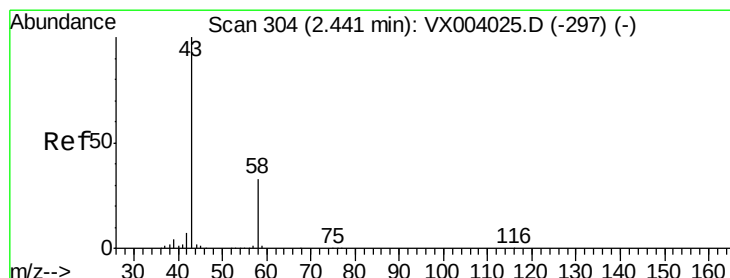
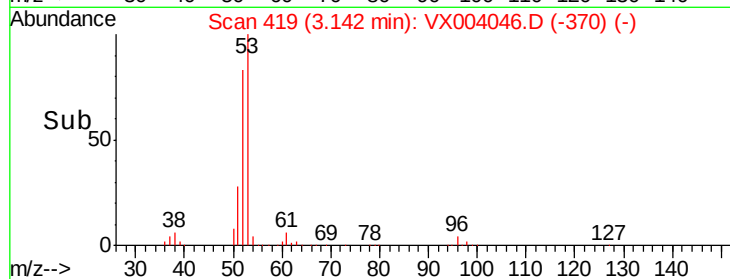
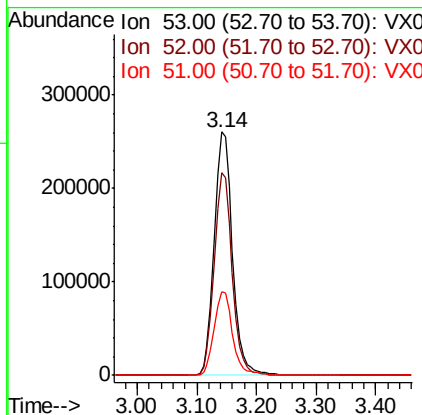
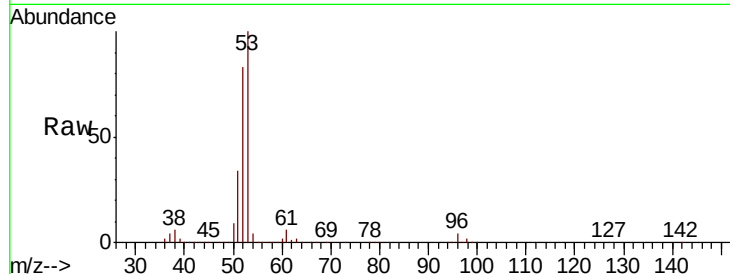
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	548764
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.3	97.9
51	35.0	27.9	41.9

Manual Integrations
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8/15/2018 4:49:57 PM



#16

Acetone

Concen: 247.57 ug/l

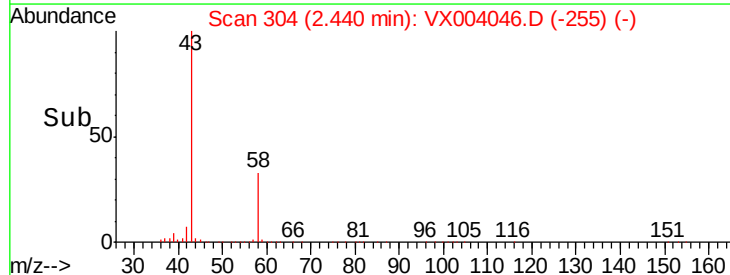
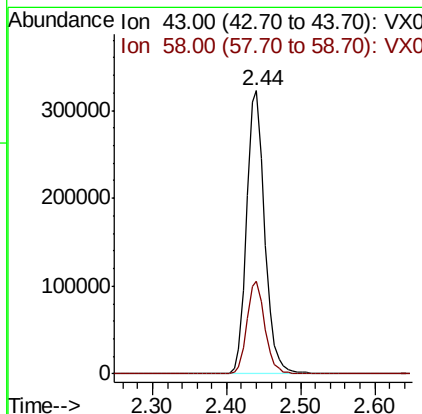
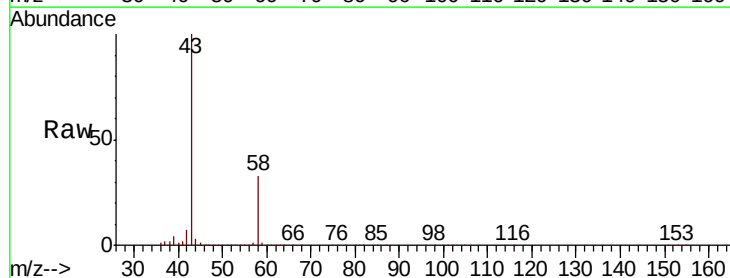
RT: 2.44 min Scan# 304

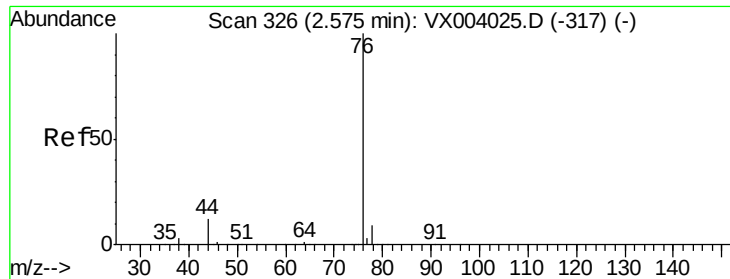
Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Tgt Ion:	43	Resp:	552305
Ion Ratio	Lower	Upper	
43	100		
58	32.9	26.4	39.6





#17

Carbon Disulfide

Concen: 48.52 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 440888

Ion Ratio Lower Upper

76 100

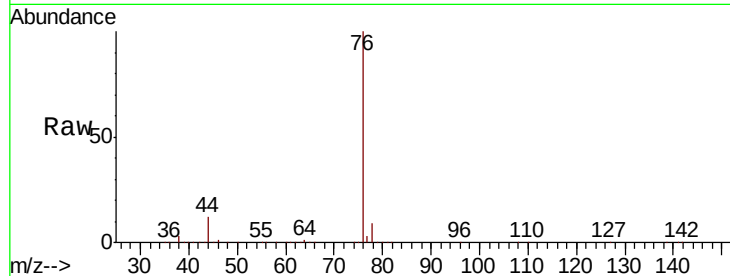
78 9.0 7.5 11.3

Manual Integrations

APPROVED

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

100000

50000

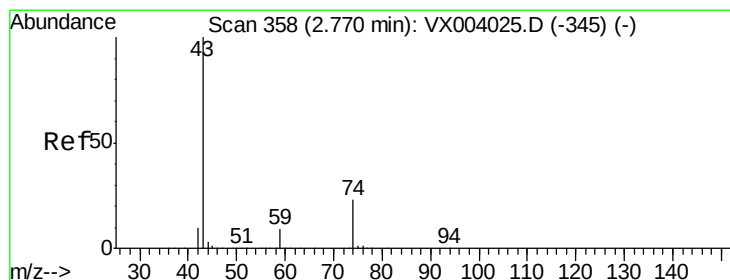
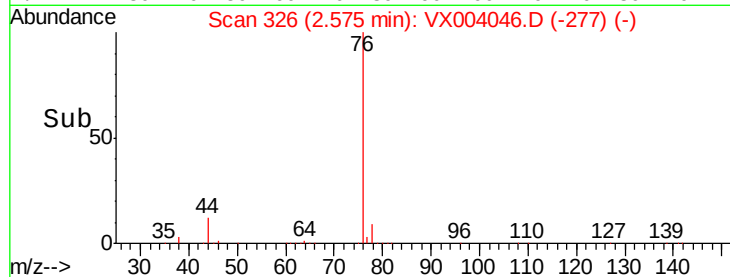
0

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 49.73 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004046.D

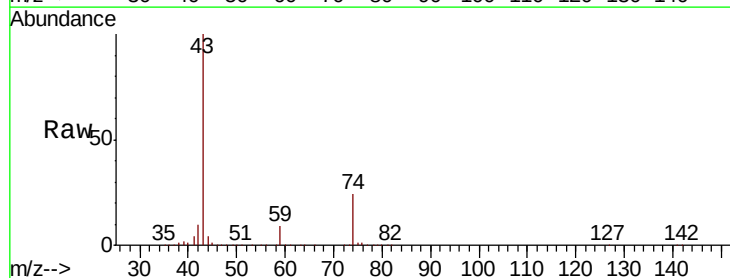
Acq: 14 Aug 2018 23:29

Tgt Ion: 43 Resp: 246522

Ion Ratio Lower Upper

43 100

74 24.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

100000

50000

0

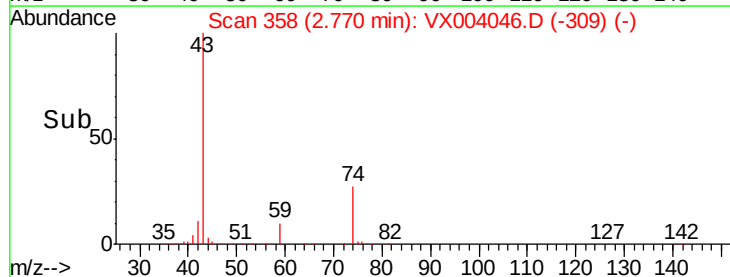
2.60

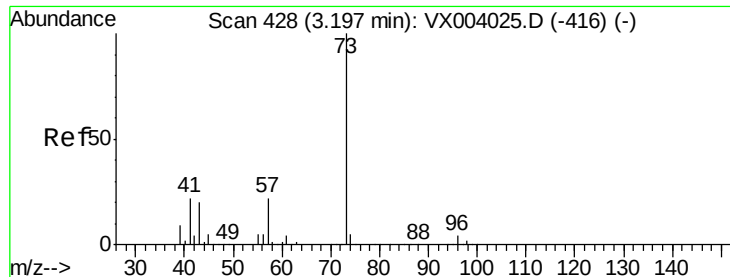
2.70

2.80

2.90

Time-->





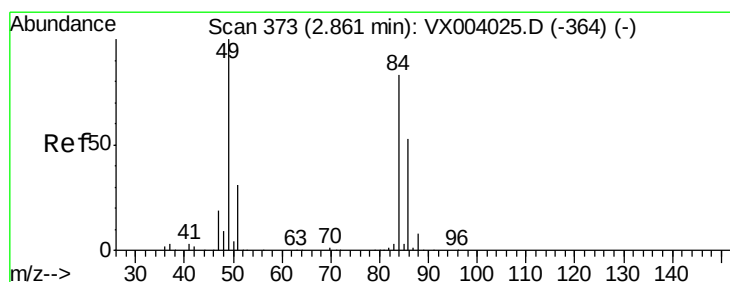
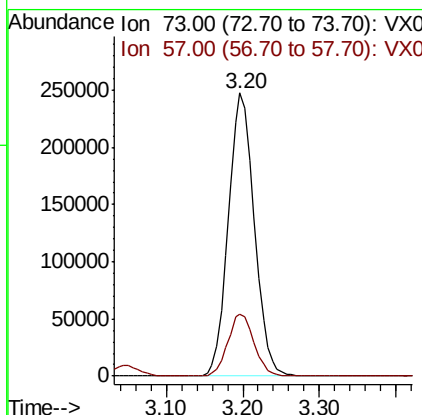
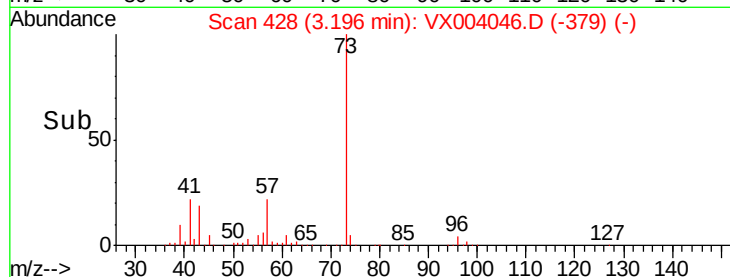
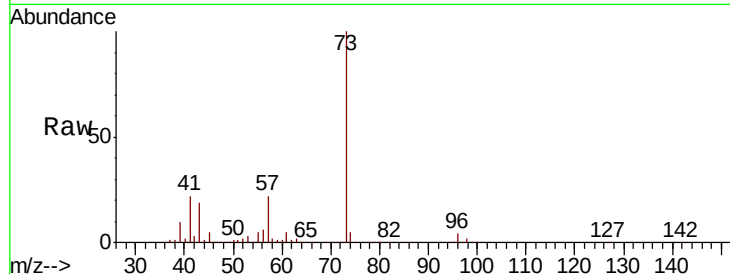
#19
Methvl tert-butyl Ether
Concen: 51.53 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 581623
Ion Ratio Lower Upper
73 100
57 21.7 18.0 27.0

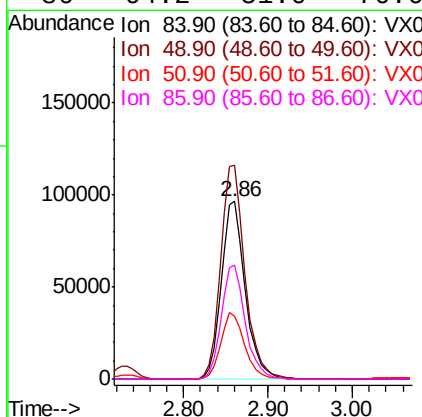
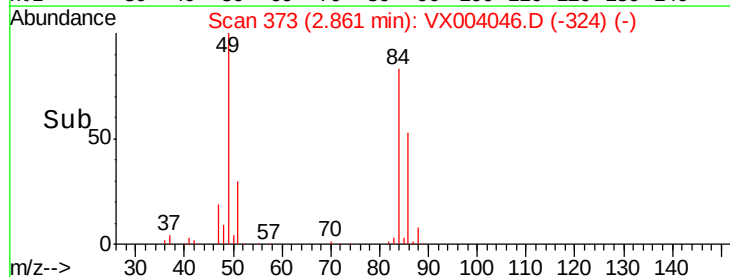
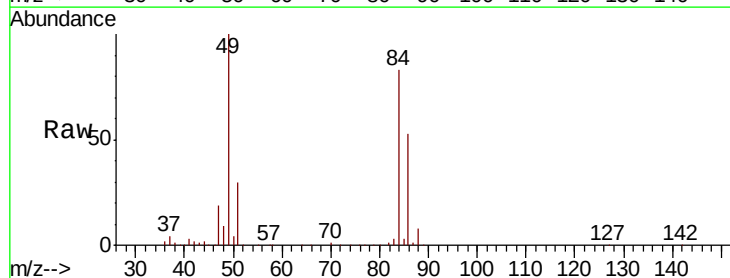
Manual Integrations
APPROVED

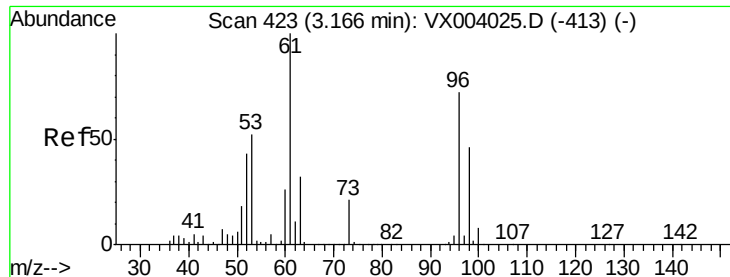
MMDadoda
8/15/2018 4:49:57 PM



#20
Methylene Chloride
Concen: 51.64 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion: 84 Resp: 188225
Ion Ratio Lower Upper
84 100
49 120.1 98.9 148.3
51 35.5 29.9 44.9
86 64.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.10 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 178663

Ion Ratio Lower Upper

96 100

61 137.5 111.8 167.6

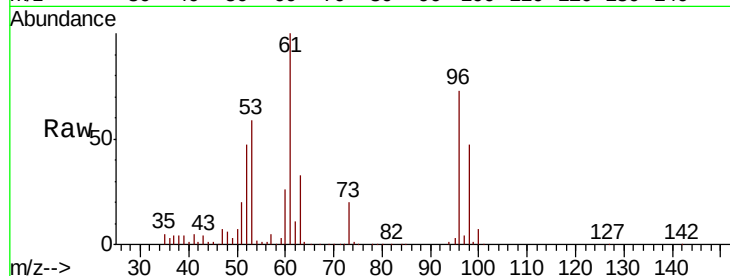
98 64.2 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

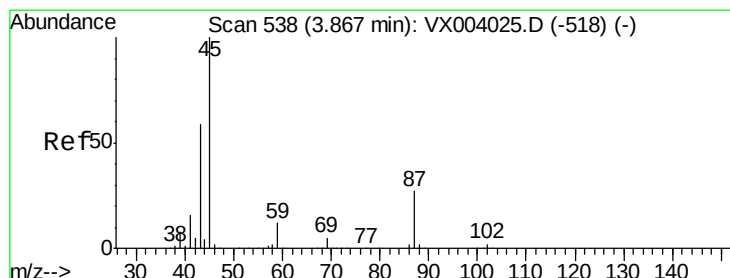
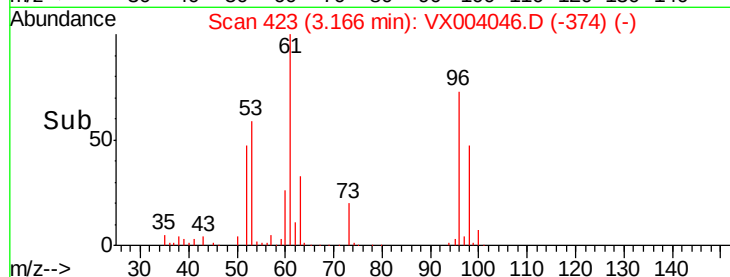
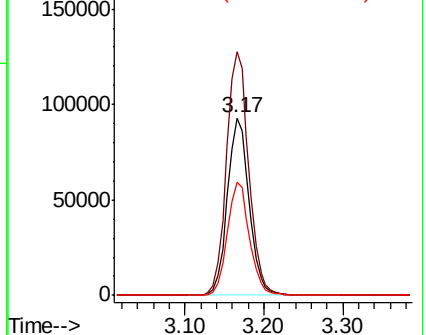
8/15/2018 4:49:57 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.81 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Tgt Ion: 45 Resp: 583019

Ion Ratio Lower Upper

45 100

43 59.6 45.3 67.9

87 28.1 22.7 34.1

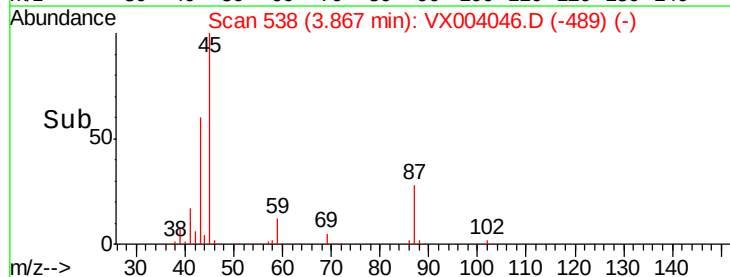
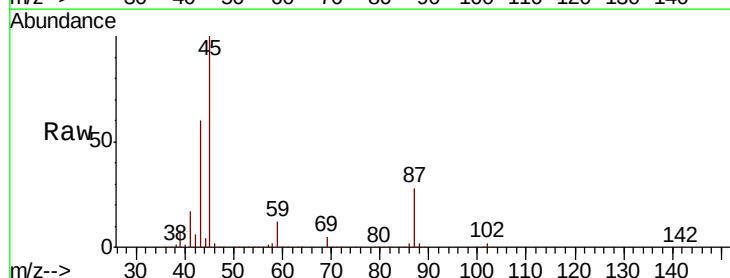
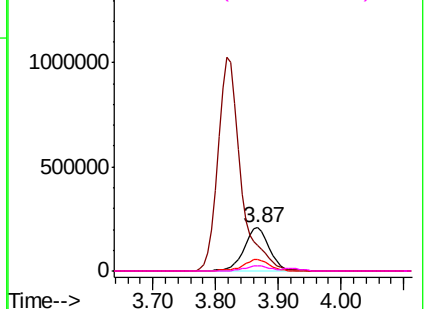
59 11.7 9.6 14.4

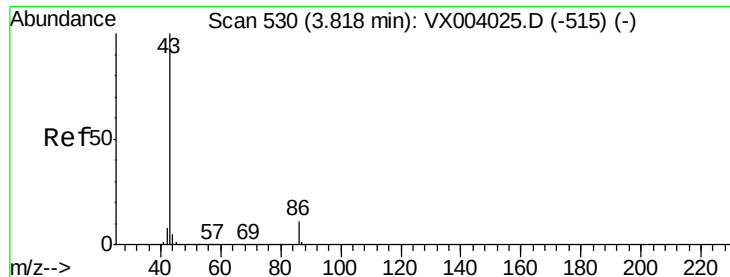
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 264.16 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2591691

Ion Ratio Lower Upper

43 100

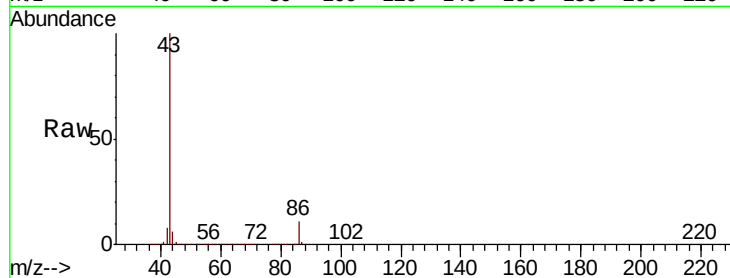
86 10.9 8.9 13.3

Manual Integrations

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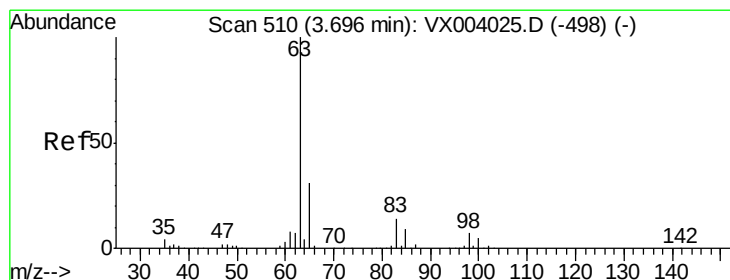
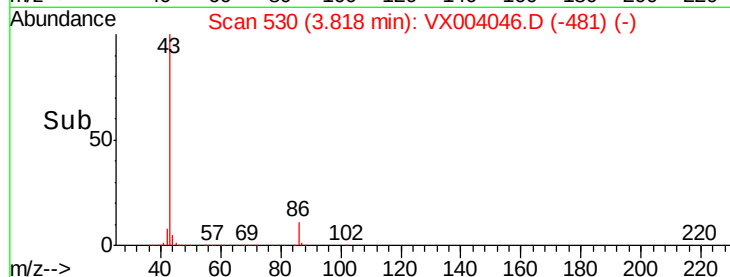
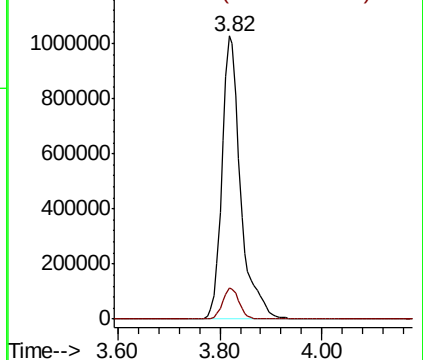
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.29 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

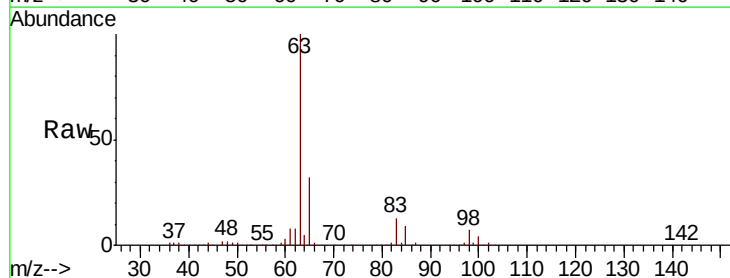
Tgt Ion: 63 Resp: 347002

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

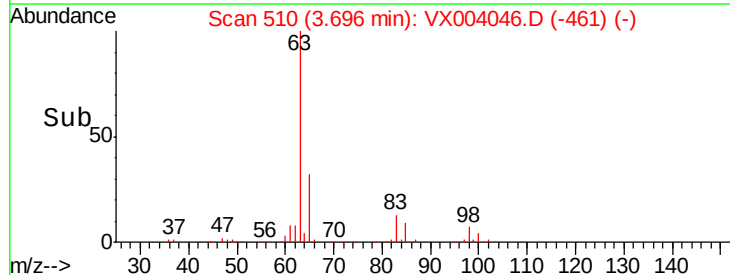
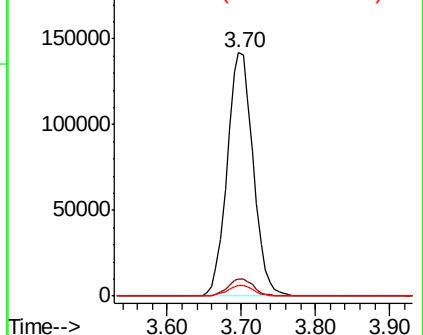
100 4.3 2.3 6.8

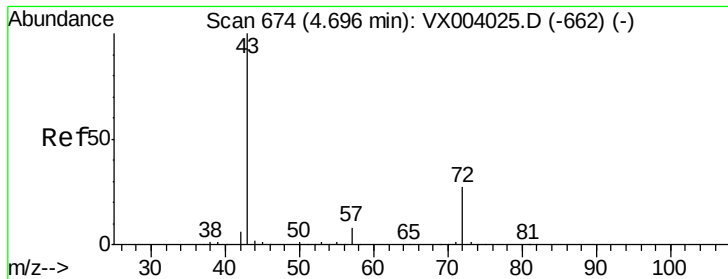


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 248.77 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 903013

Ion Ratio Lower Upper

43 100

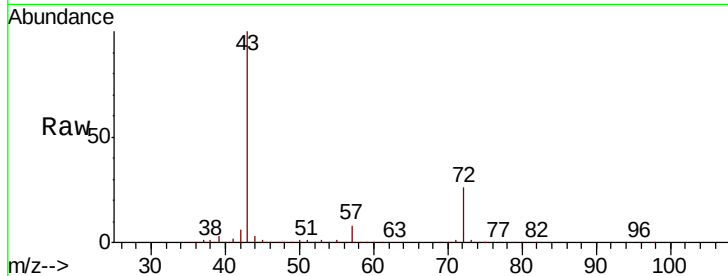
72 26.0 21.4 32.0

Manual Integrations

APPROVED

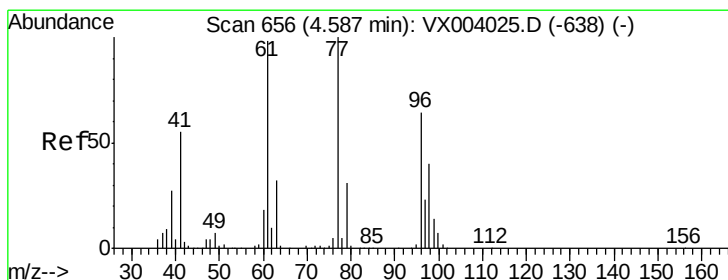
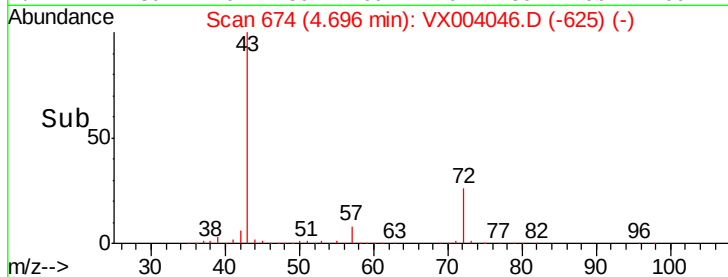
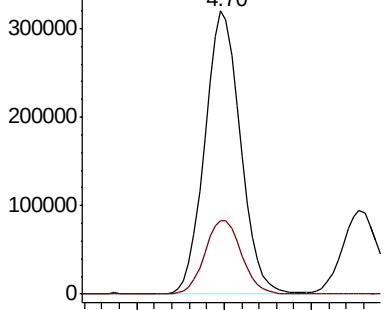
MMDadoda

8/15/2018 4:49:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 38.09 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004046.D

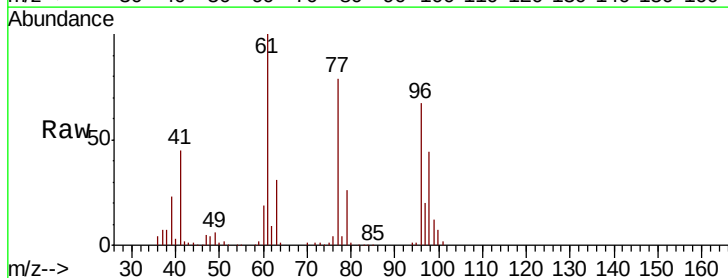
Acq: 14 Aug 2018 23:29

Tgt Ion: 77 Resp: 204900

Ion Ratio Lower Upper

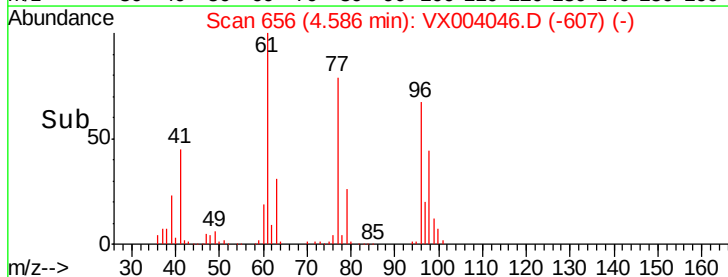
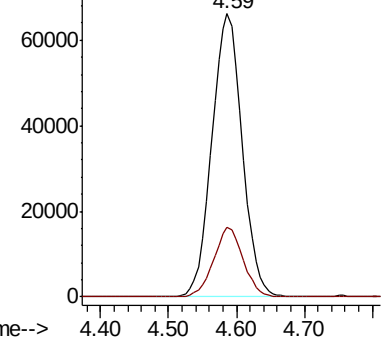
77 100

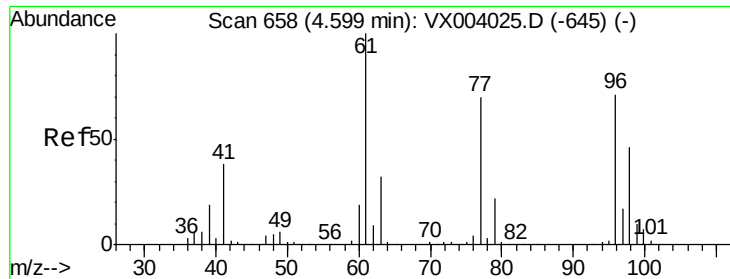
97 23.9 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

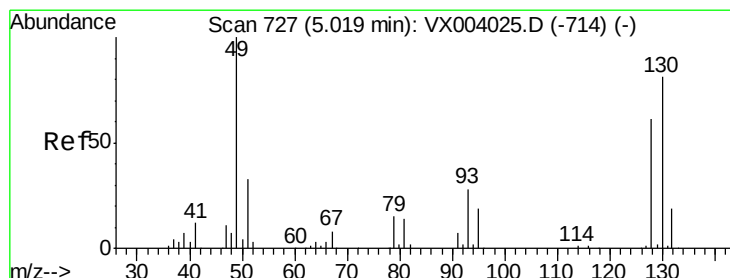
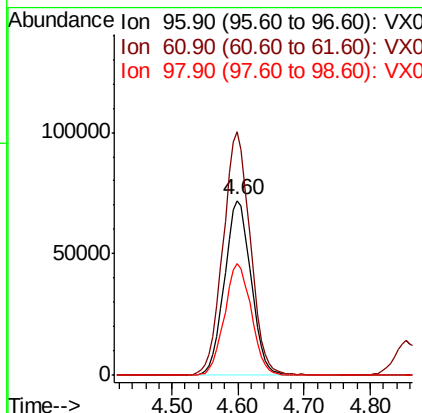
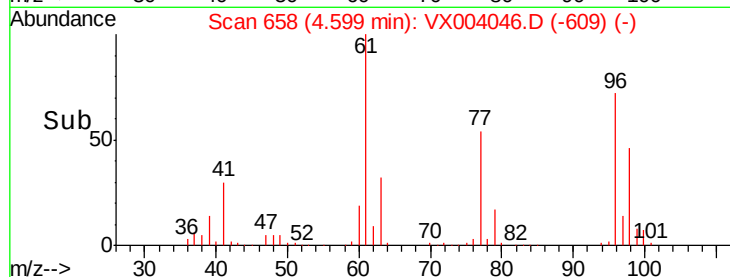
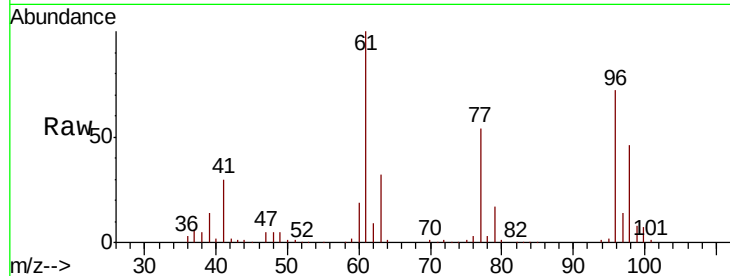
cis-1,2-Dichloroethene
Concen: 49.00 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	200503		
61	142.8	0.0	293.0	
98	64.3	0.0	131.8	

Manual Integrations
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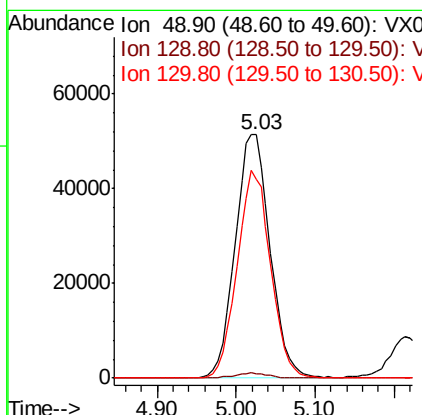
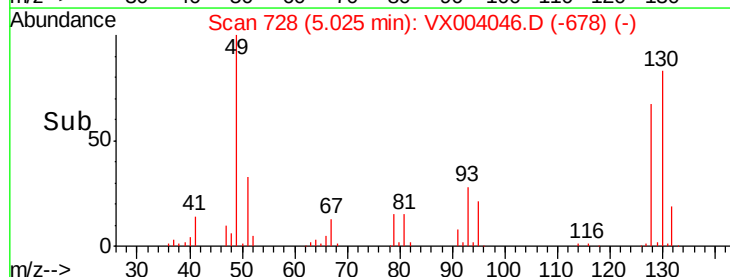
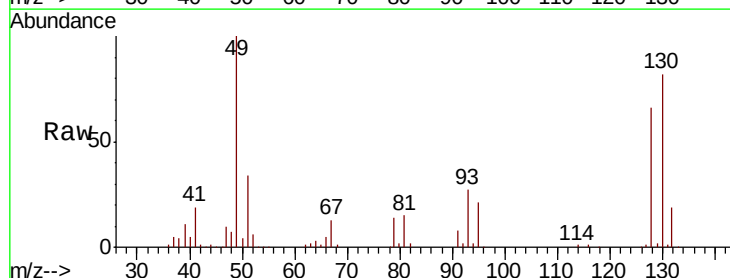
MMDadoda
8/15/2018 4:49:57 PM

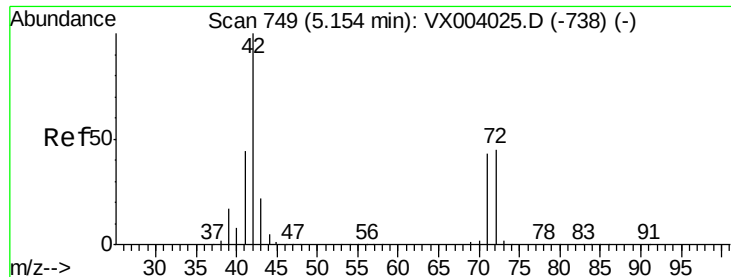


#28

Bromochloromethane
Concen: 50.88 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	157945		
129	2.0	0.0	4.2	
130	81.7	66.5	99.7	





#29

Tetrahydrofuran

Concen: 248.20 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

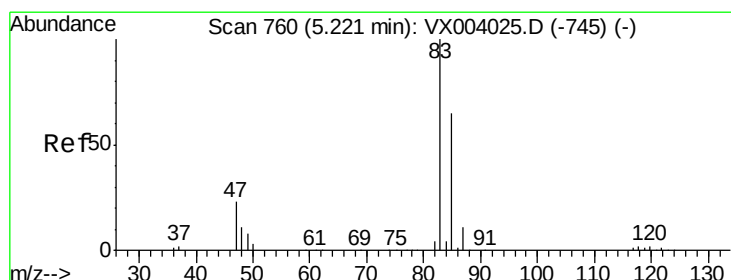
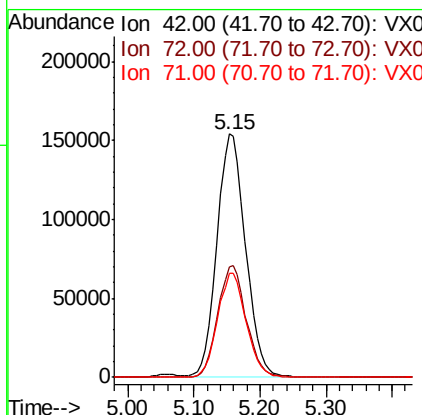
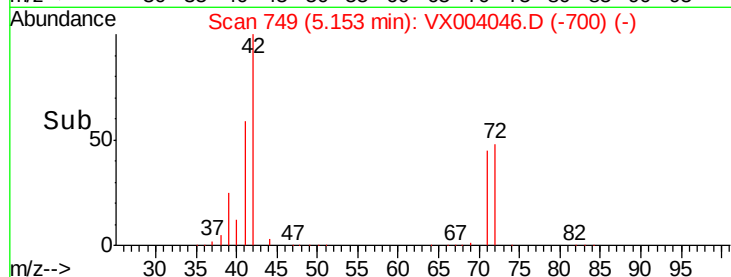
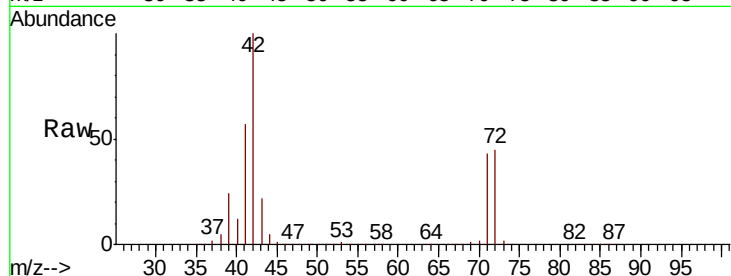
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	460302
Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.7	56.5
71	42.9	35.0	52.6

Manual Integrations
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#30

Chloroform

Concen: 50.69 ug/l

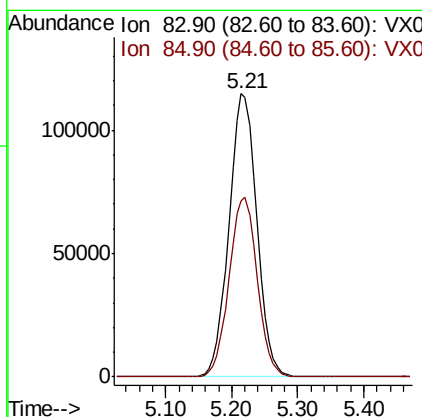
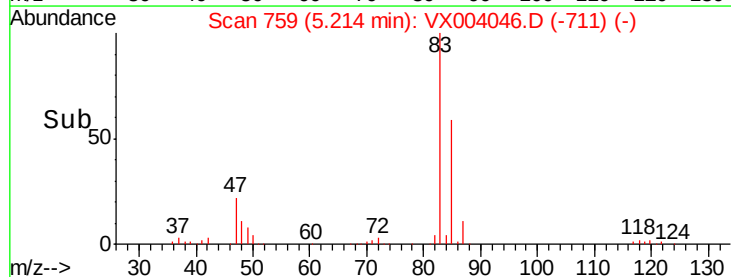
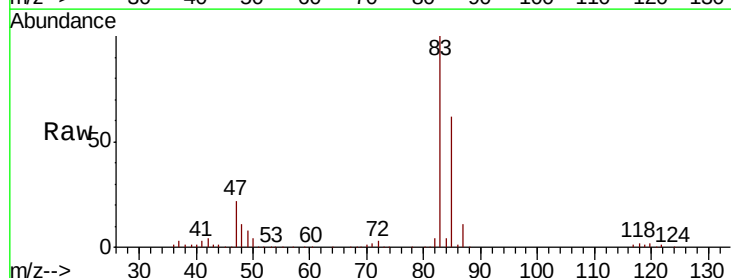
RT: 5.21 min Scan# 759

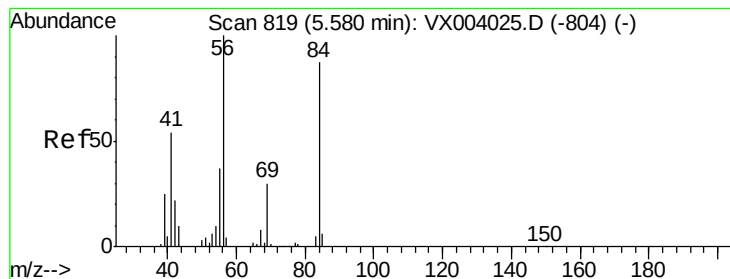
Delta R.T. -0.01 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Tgt Ion:	83	Resp:	334755
Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.7	76.1





#31

Cyclohexane

Concen: 47.95 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

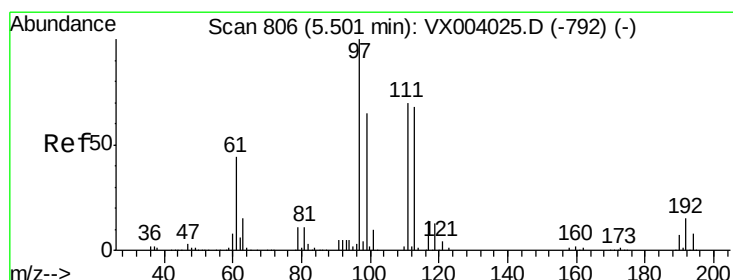
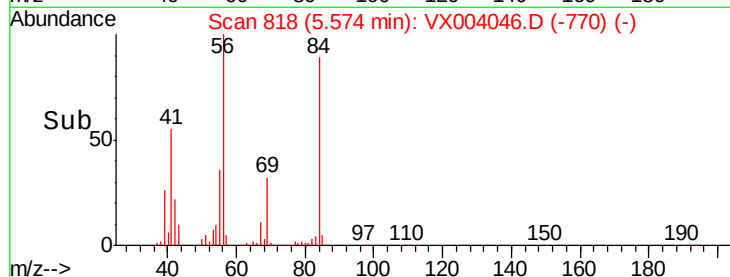
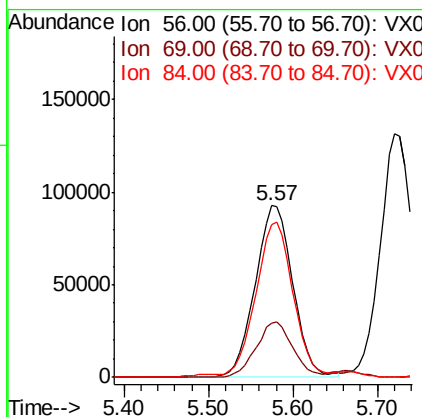
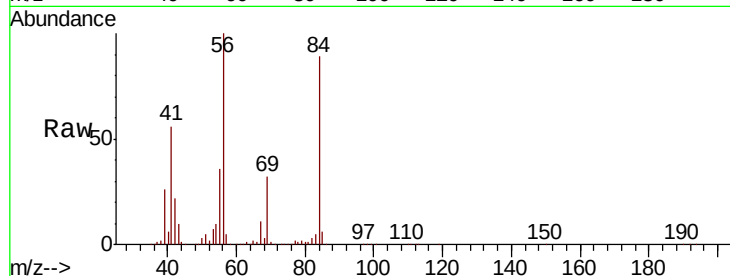
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	284384
Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.9	37.3
84	88.4	71.7	107.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.04 ug/l

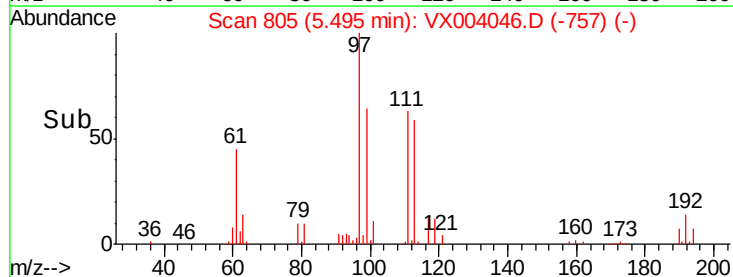
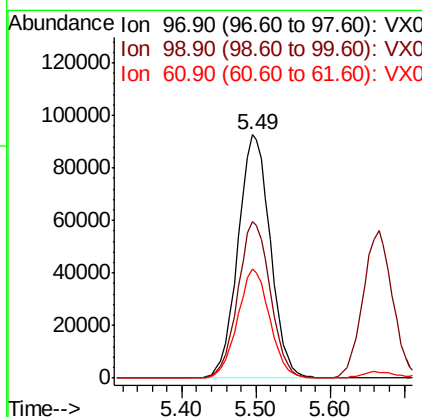
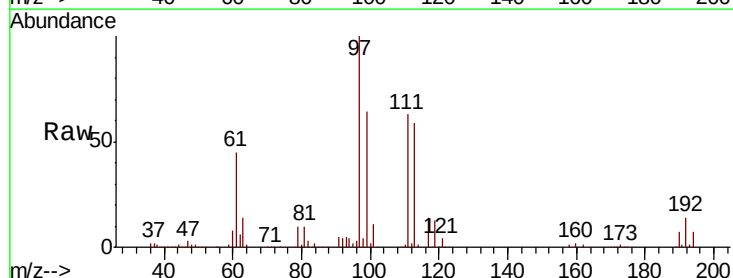
RT: 5.49 min Scan# 805

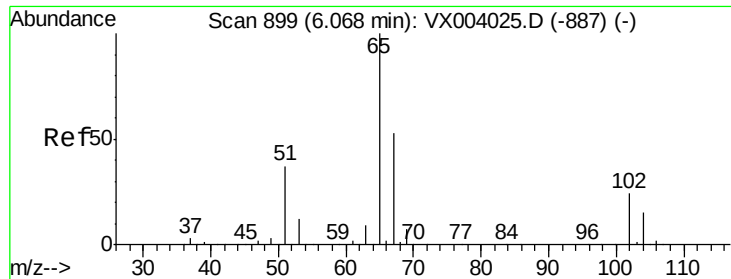
Delta R.T. -0.01 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Tgt Ion:	97	Resp:	281627
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	44.8	34.4	51.6





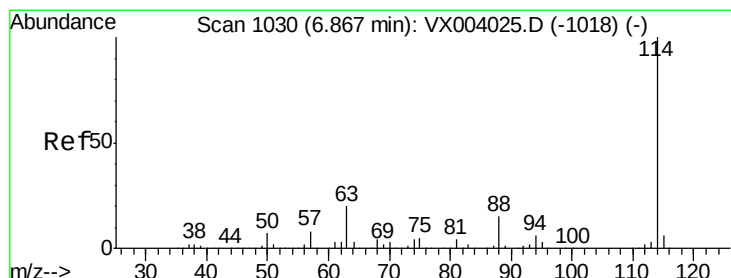
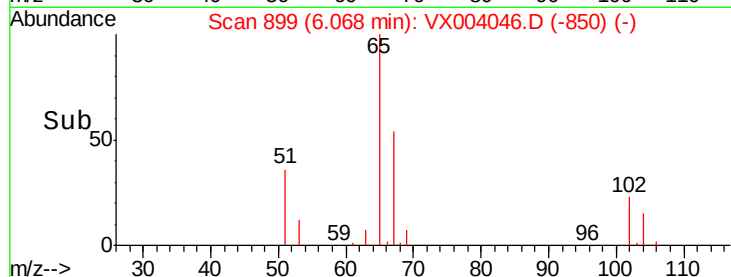
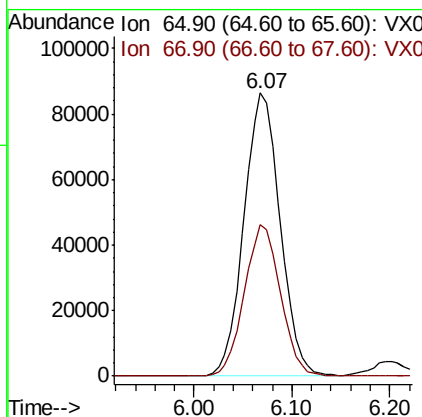
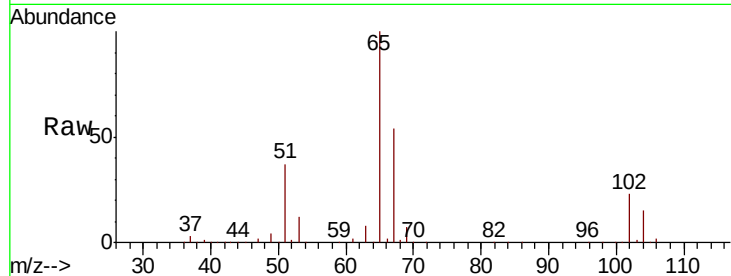
#33
 1,2-Dichloroethane-d4
 Concen: 51.81 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222294		
67	53.4	0.0	105.8	

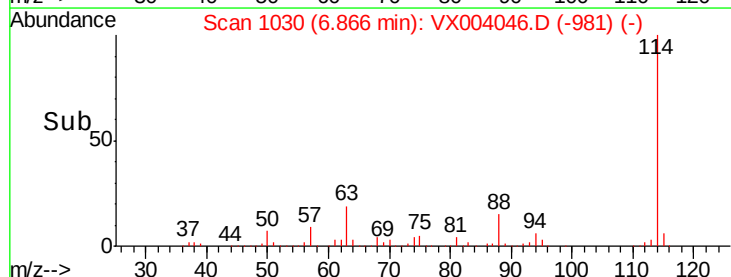
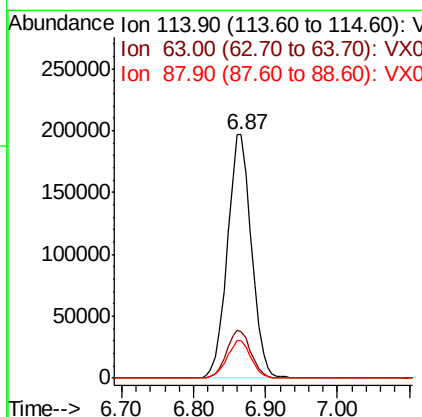
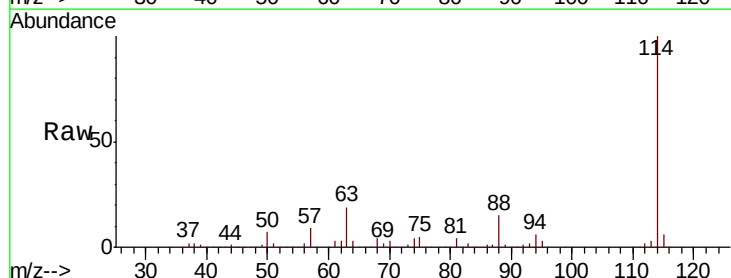
Manual Integrations
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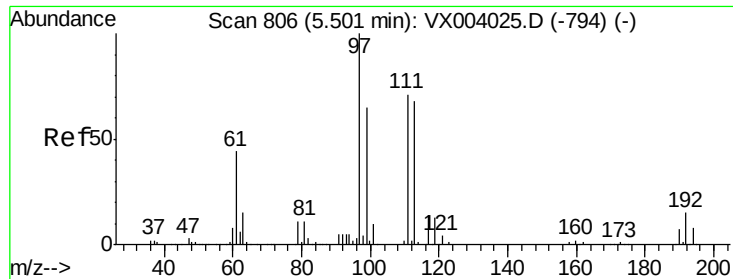
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	455999		
63	19.3	0.0	39.0	
88	15.3	0.0	32.0	





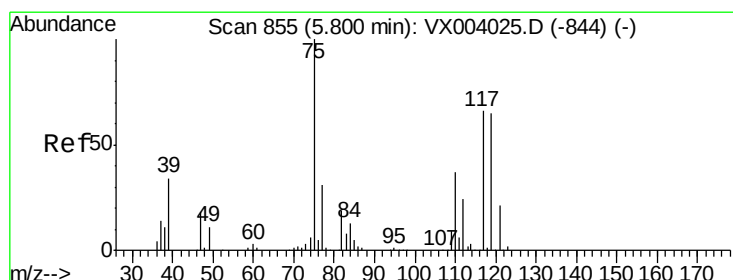
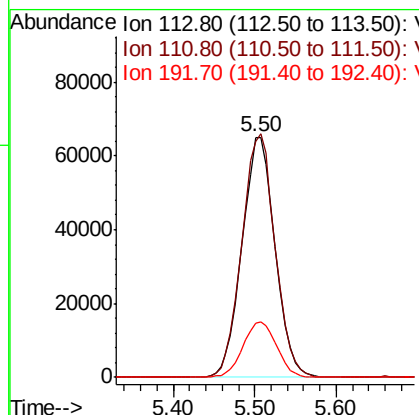
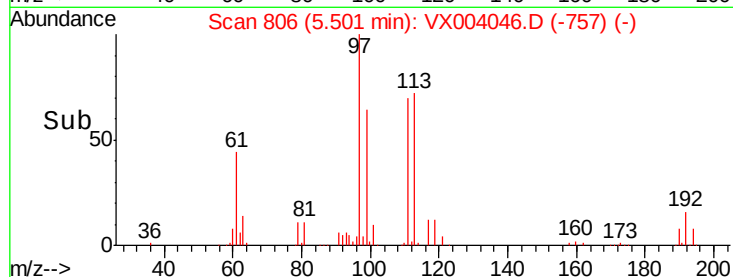
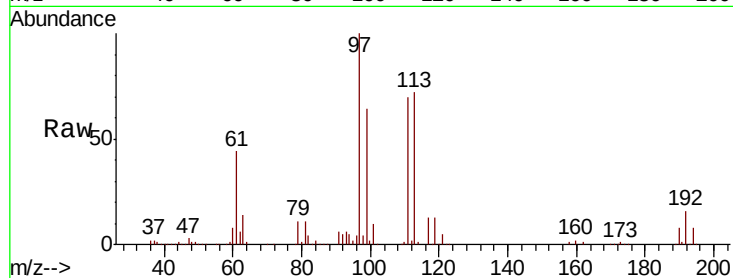
#35
 Dibromofluoromethane
 Concen: 53.65 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	183103		
111	101.9	82.0	123.0	
192	23.6	19.0	28.4	

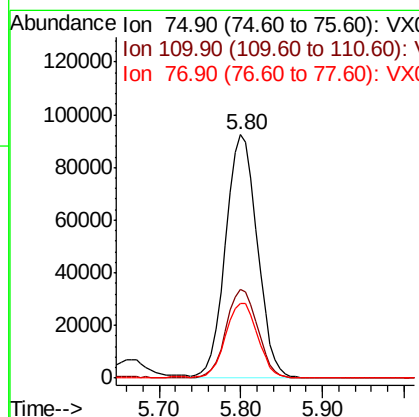
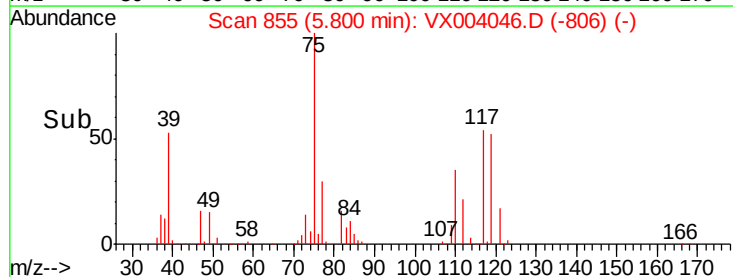
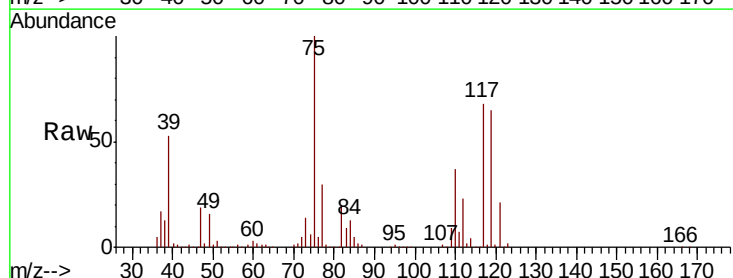
Manual Integrations
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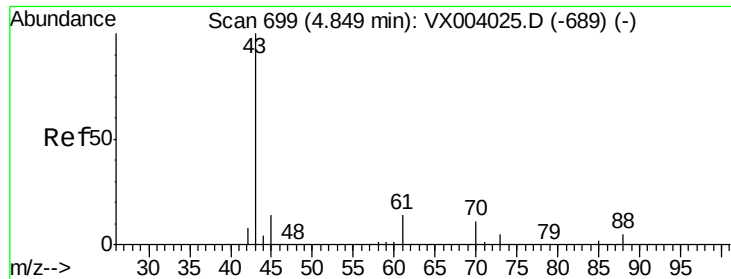
MMDadoda
 8/15/2018 4:49:57 PM



#36
 1,1-Dichloropropene
 Concen: 47.86 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	248316		
110	36.4	18.2	54.6	
77	31.4	25.0	37.4	





#37

Ethyl Acetate

Concen: 48.96 ug/l

RT: 4.85 min Scan# 700

Delta R.T. 0.01 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

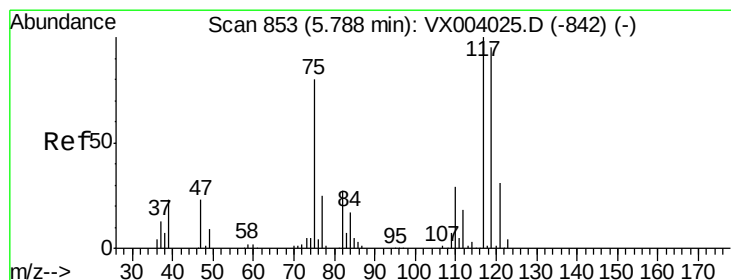
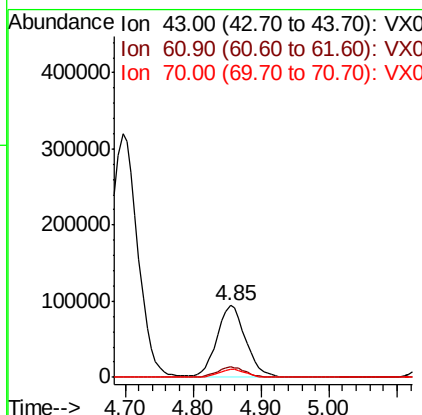
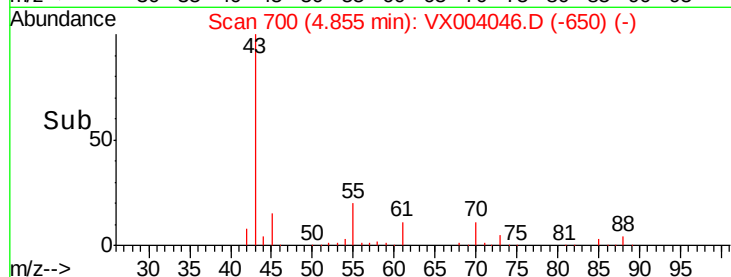
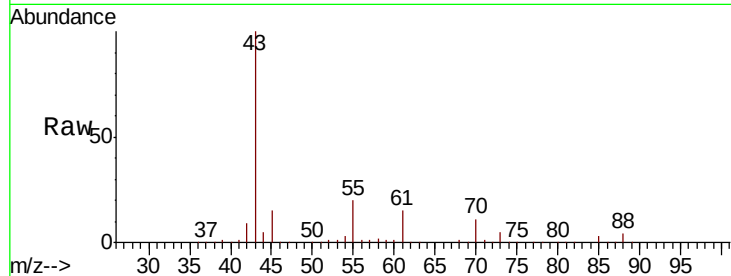
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	276635
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	11.0	9.0	13.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.24 ug/l

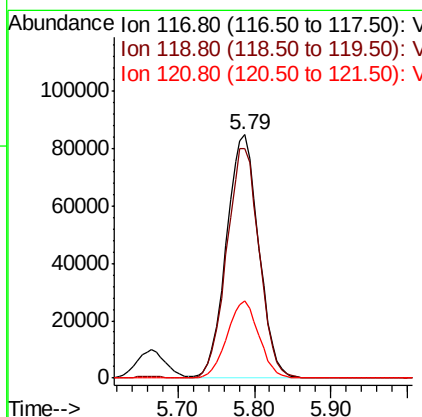
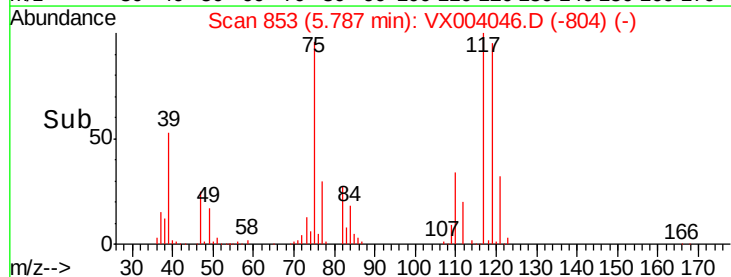
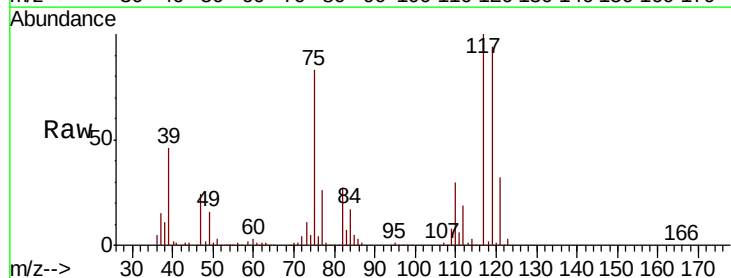
RT: 5.79 min Scan# 853

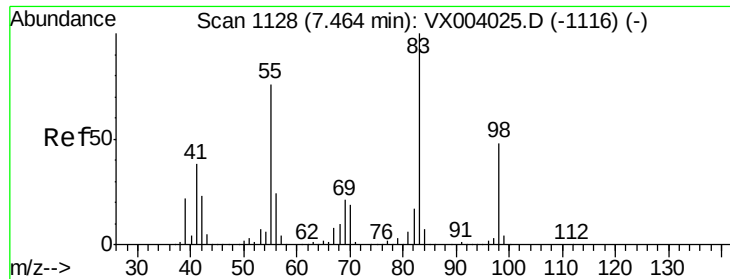
Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Tgt Ion:	117	Resp:	248220
Ion	Ratio	Lower	Upper
117	100		
119	94.4	79.5	119.3
121	31.8	25.0	37.4





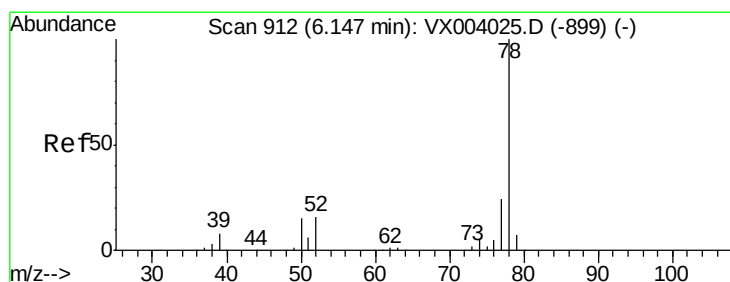
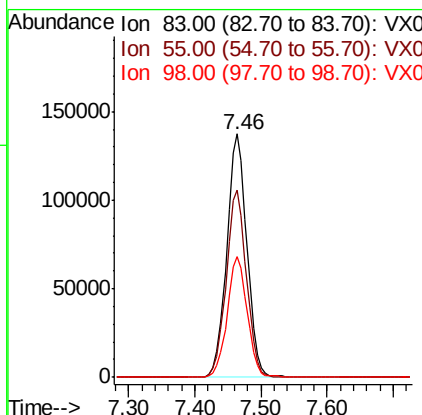
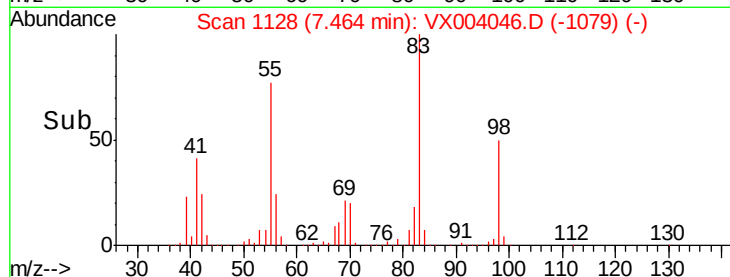
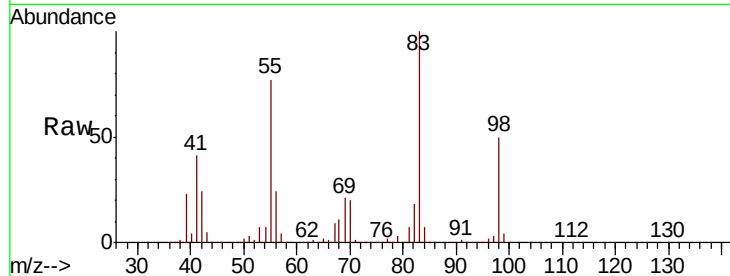
#39
Methylvlcyclohexane
Concen: 49.28 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	290095		
55	76.8		61.0	91.6
98	49.7		38.6	57.8

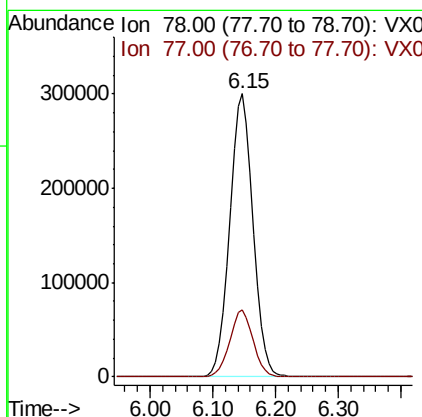
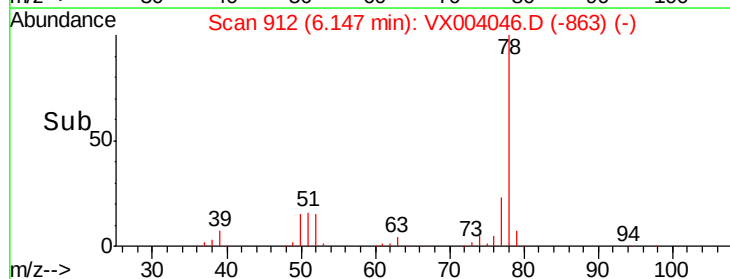
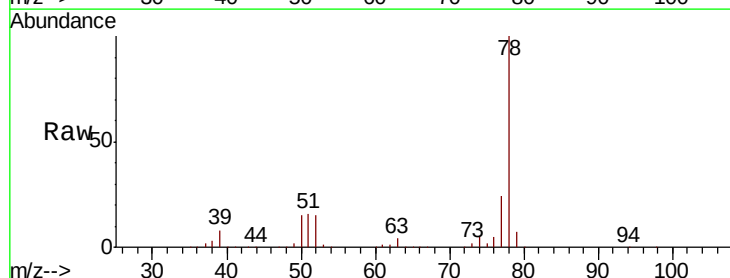
Manual Integrations
APPROVED

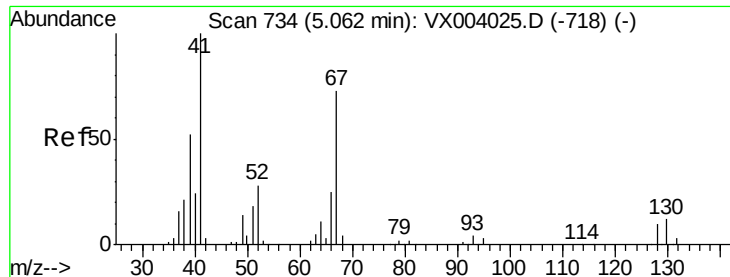
MMDadoda
8/15/2018 4:49:57 PM



#40
Benzene
Concen: 49.38 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	769377		
77	23.8		19.0	28.4





#41

Methacrylonitrile

Concen: 47.06 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

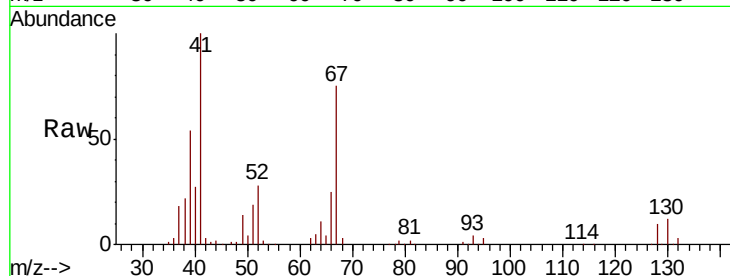
ClientSampleId :

VSTDCCC050

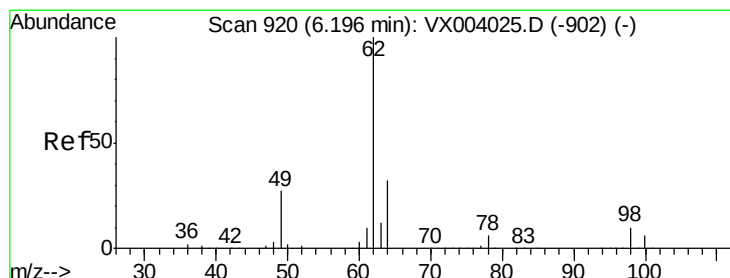
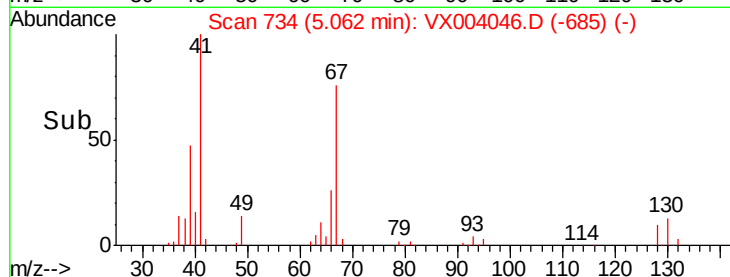
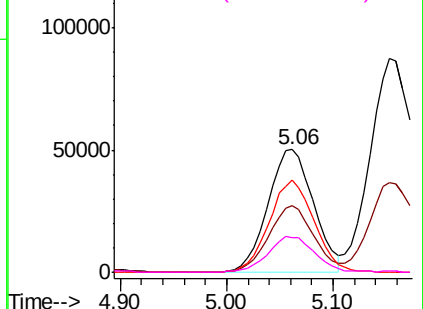
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	42.7	64.1	
67	74.5	58.9	88.3	
52	29.6	22.6	33.8	

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.97 ug/l

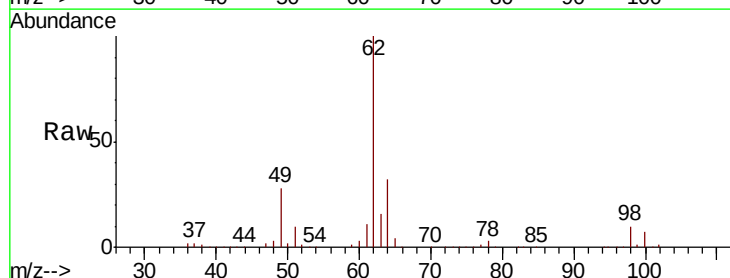
RT: 6.20 min Scan# 921

Delta R.T. 0.01 min

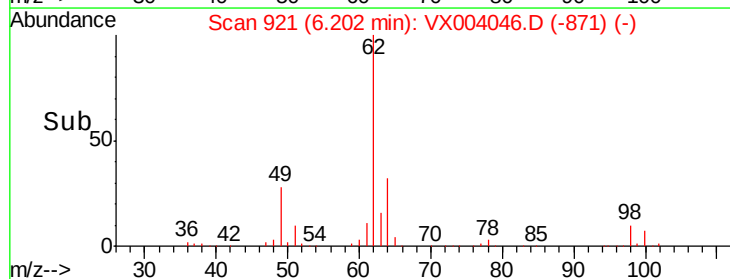
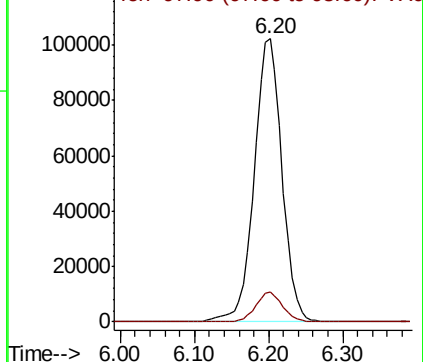
Lab File: VX004046.D

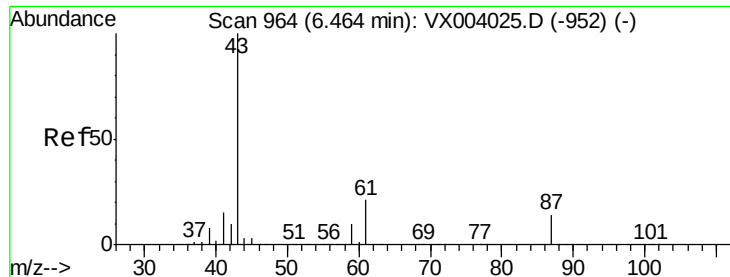
Acq: 14 Aug 2018 23:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.4	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





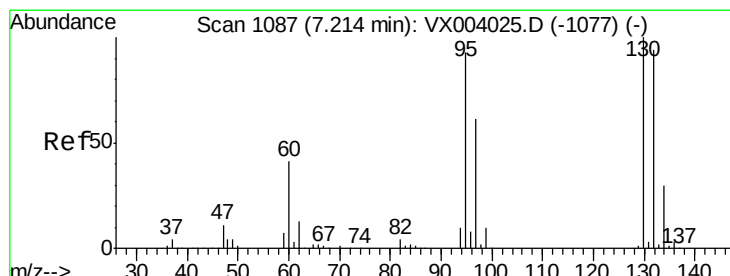
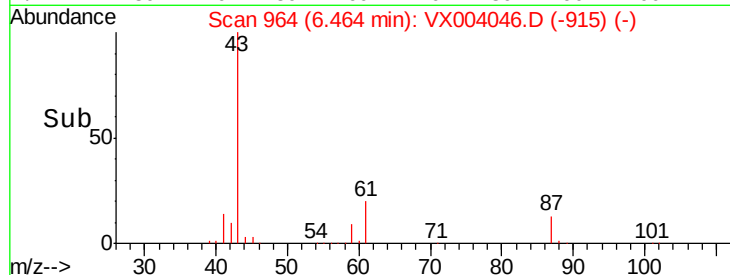
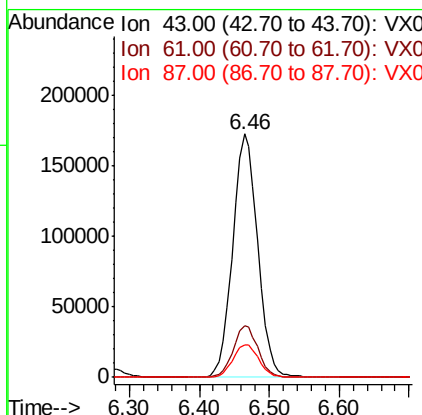
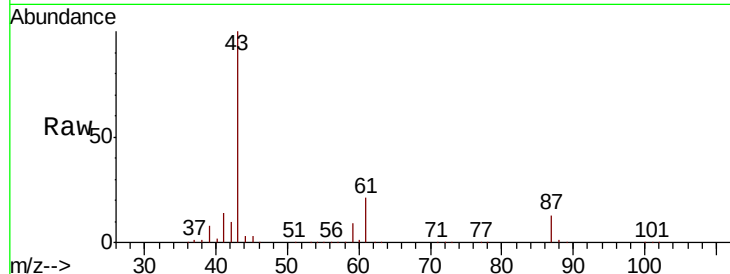
#43
Isopropyl Acetate
Concen: 51.35 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.9	25.3
87	13.9	11.3	16.9

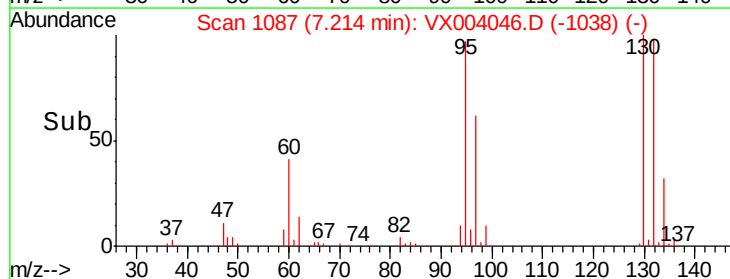
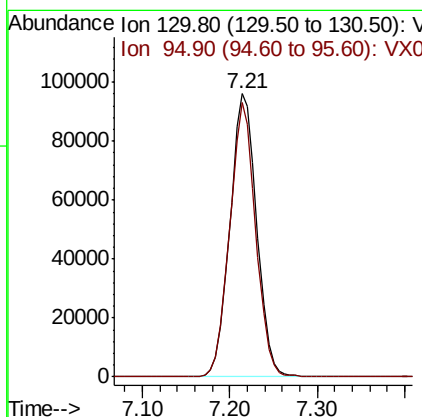
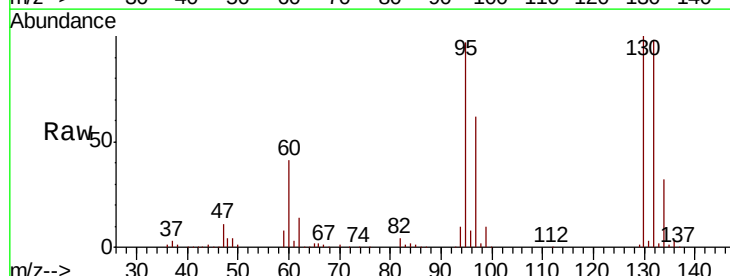
Manual Integrations
APPROVED

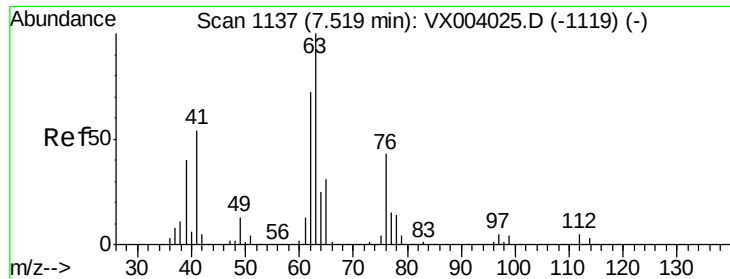
MMDadoda
8/15/2018 4:49:57 PM



#44
Trichloroethene
Concen: 48.40 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	199.4





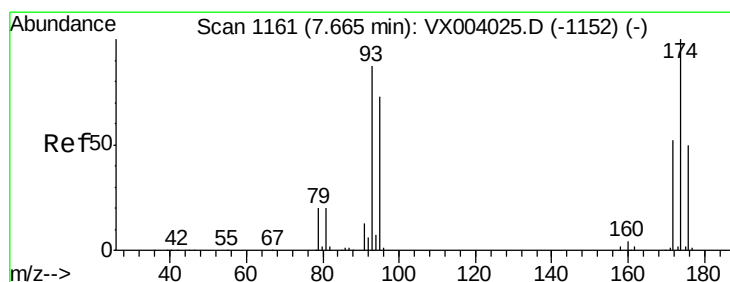
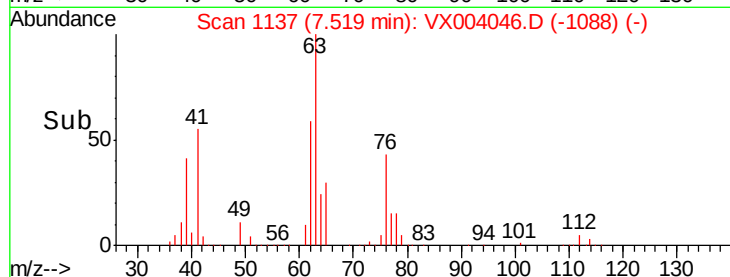
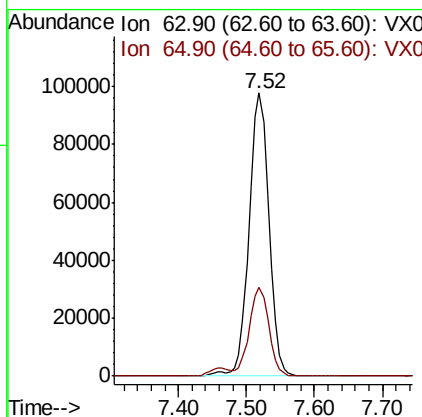
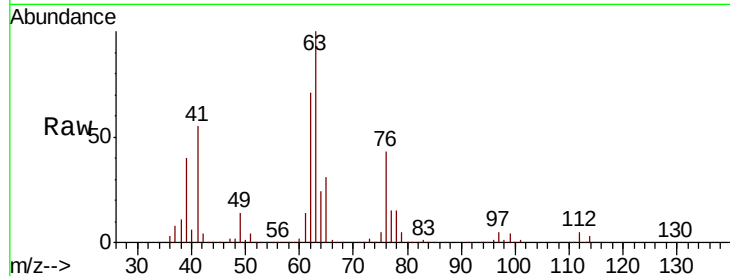
#45
 1,2-Dichloropropane
 Concen: 50.13 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8

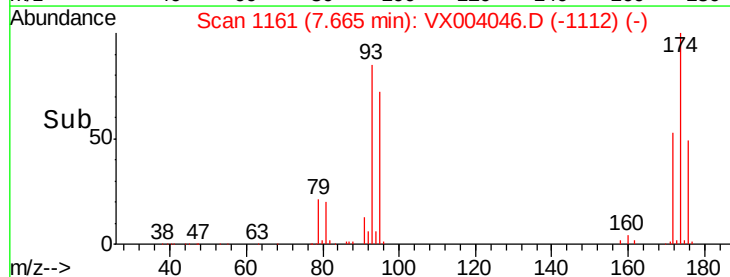
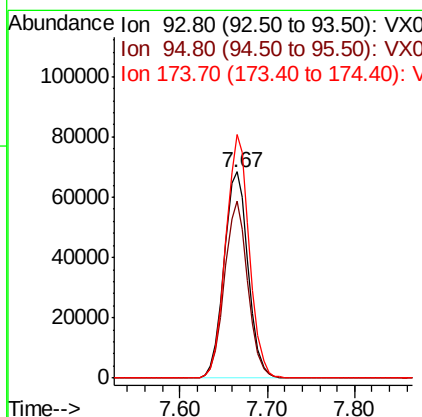
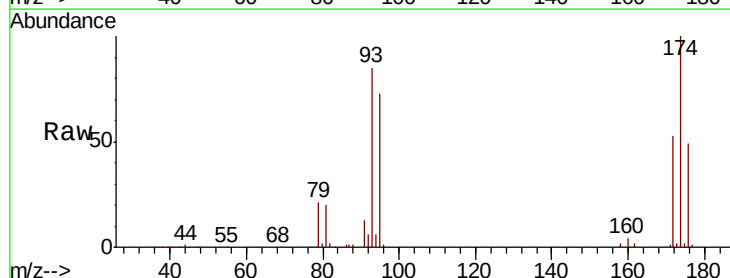
Manual Integrations
 APPROVED

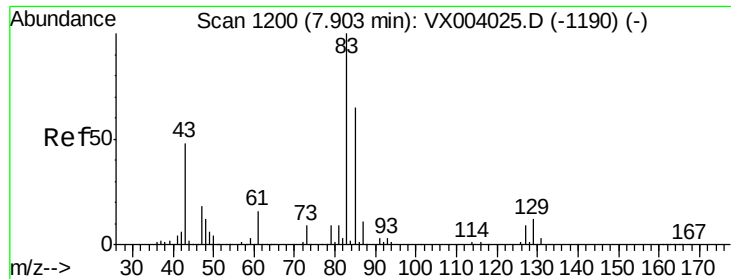
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#46
 Dibromomethane
 Concen: 49.80 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.4	99.6
174	115.6	94.3	141.5





#47

Bromodichloromethane

Concen: 50.87 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

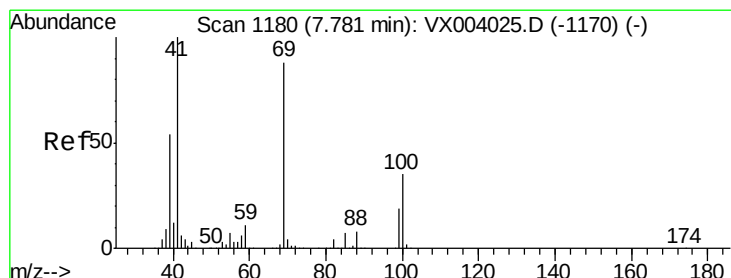
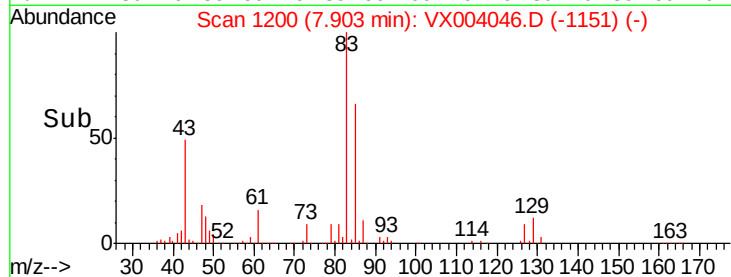
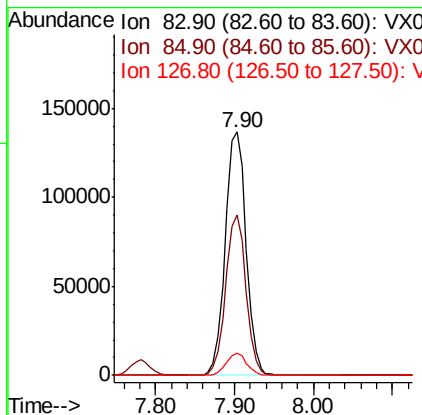
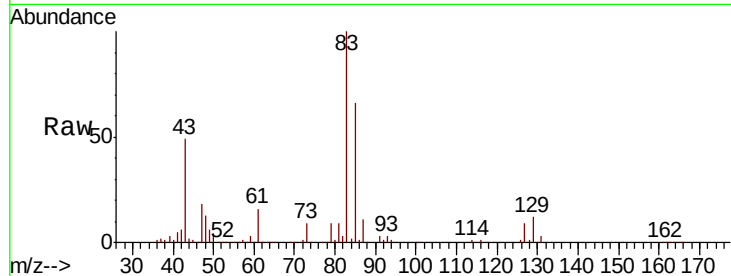
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	251116
Ion Ratio	Lower	Upper	
83	100		
85	65.9	51.2	76.8
127	9.1	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.10 ug/l

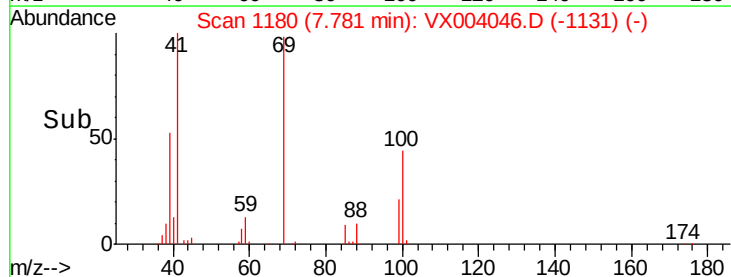
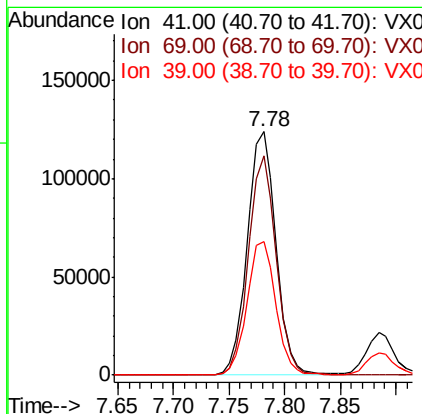
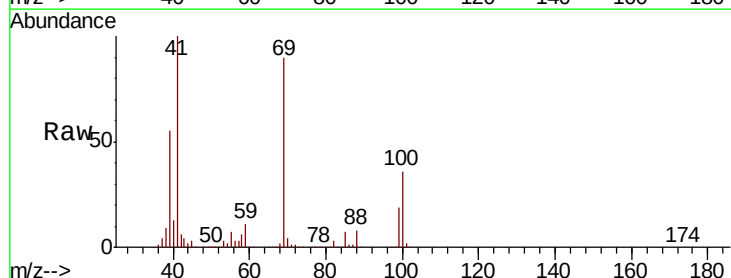
RT: 7.78 min Scan# 1180

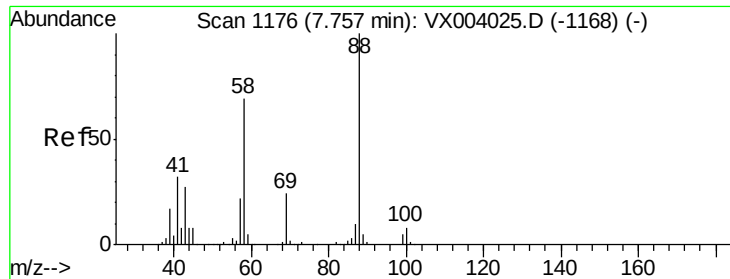
Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Tgt Ion:	41	Resp:	222630
Ion Ratio	Lower	Upper	
41	100		
69	87.5	68.8	103.2
39	54.9	42.3	63.5





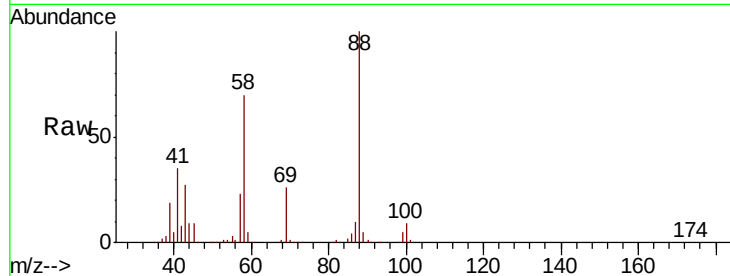
#49
1,4-Dioxane
Concen: 1045.09 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	23.8	35.8
58	70.7	55.4	83.0

Manual Integrations
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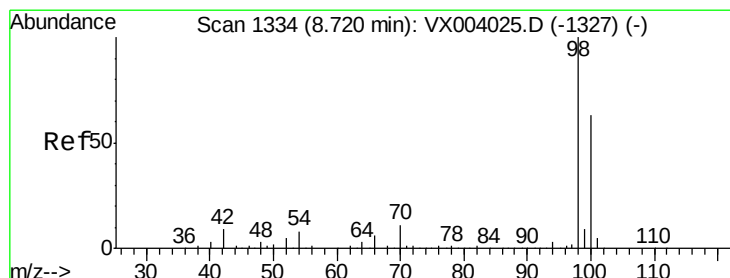
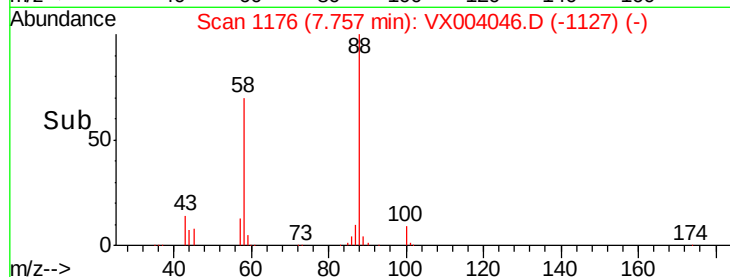
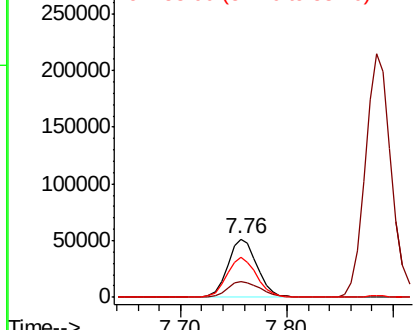


Abundance

Ion 88.00 (87.70 to 88.70): VX0

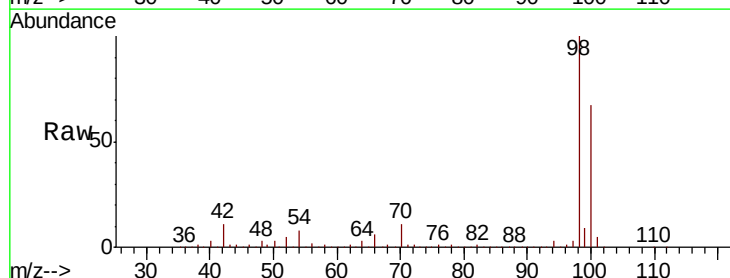
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 51.77 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

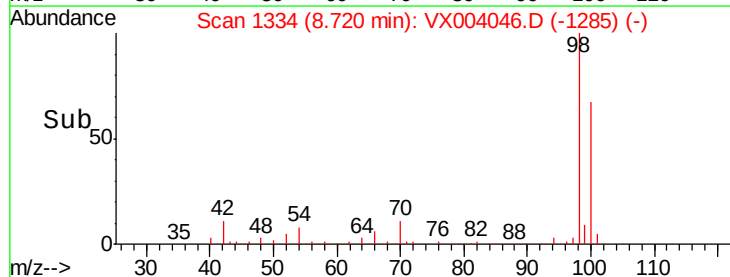
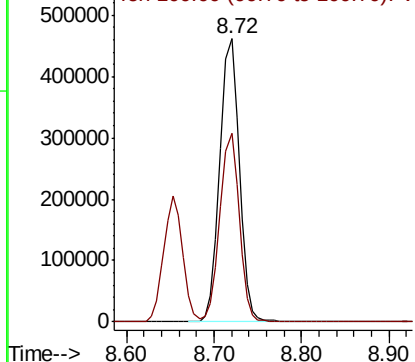
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9

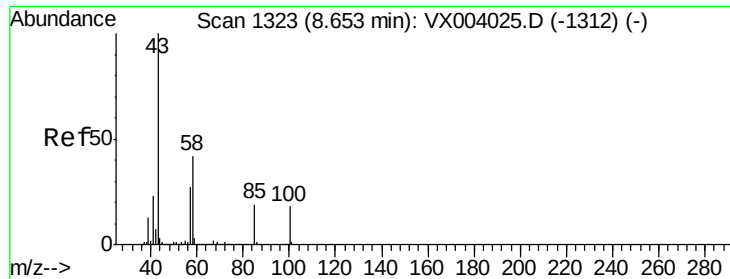


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





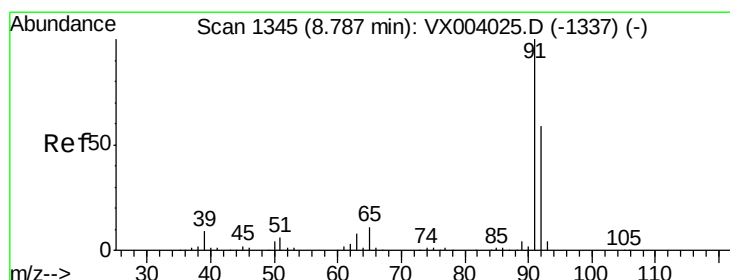
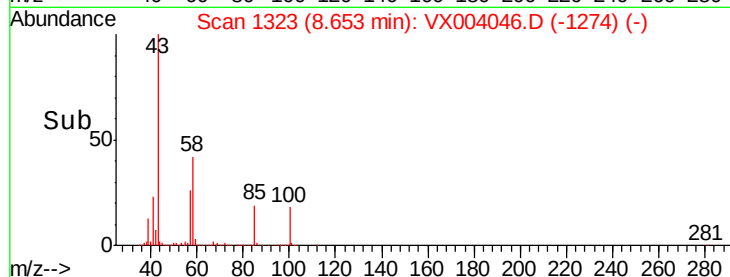
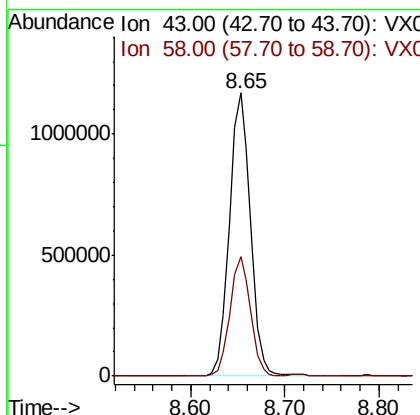
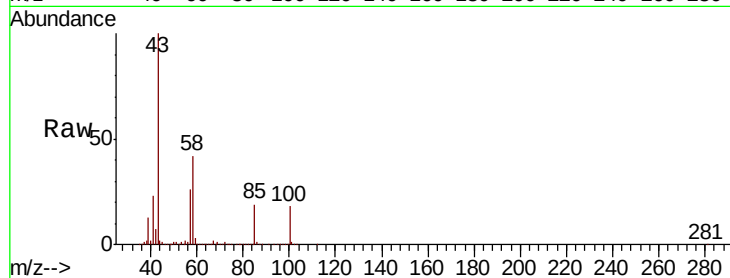
#51
 4-Methyl-2-Pentanone
 Concen: 265.33 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 1812057
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.0 49.6

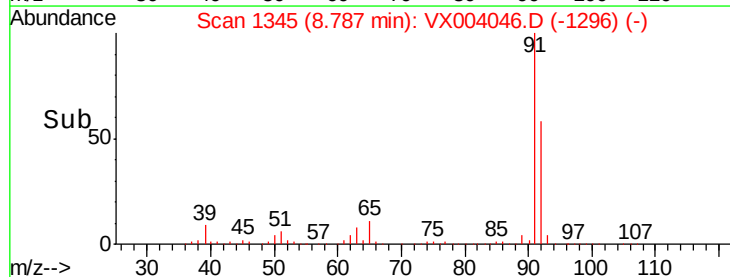
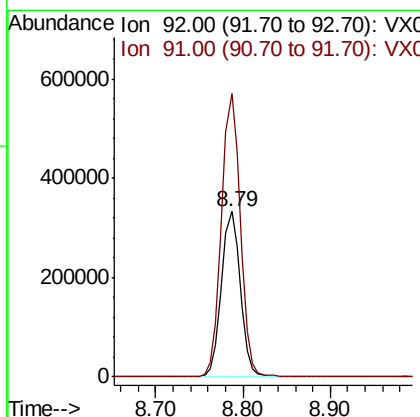
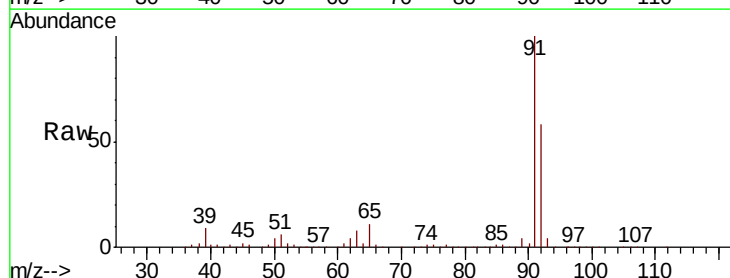
Manual Integrations
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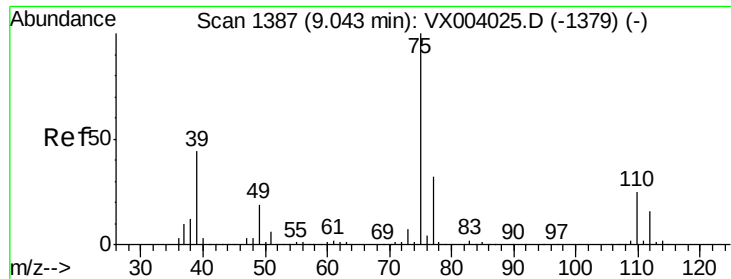
MMDadoda
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#52
 Toluene
 Concen: 50.43 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Tgt Ion: 92 Resp: 496900
 Ion Ratio Lower Upper
 92 100
 91 171.1 136.1 204.1





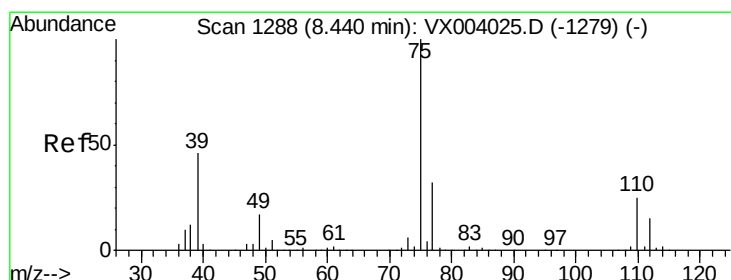
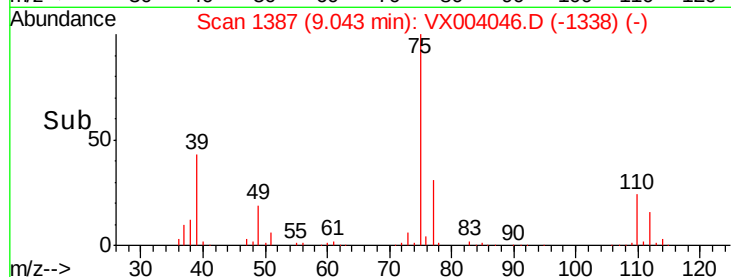
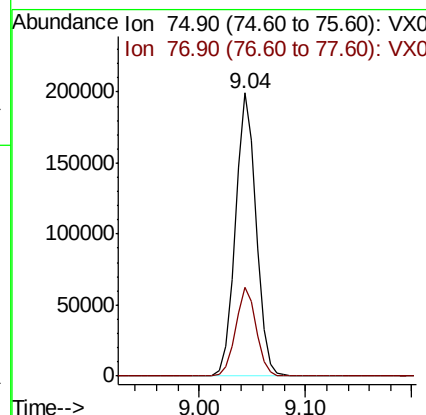
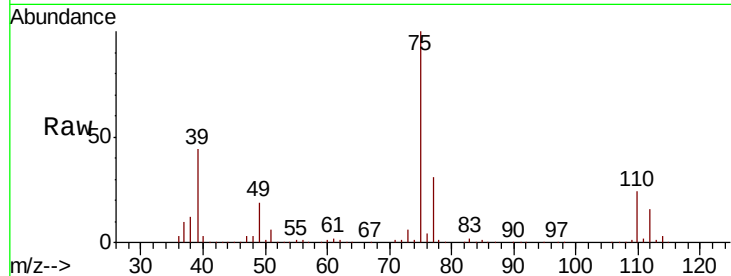
#53
t-1,3-Dichloropropene
Concen: 50.96 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7

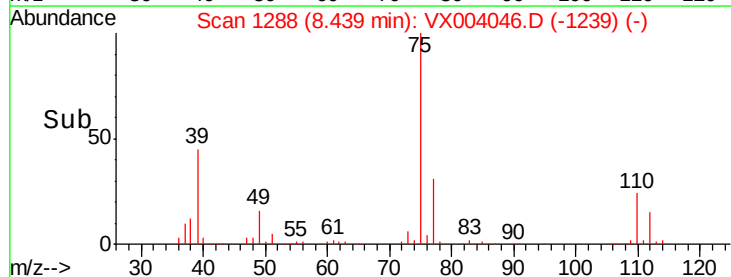
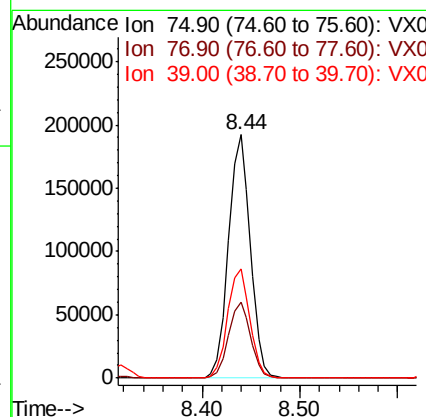
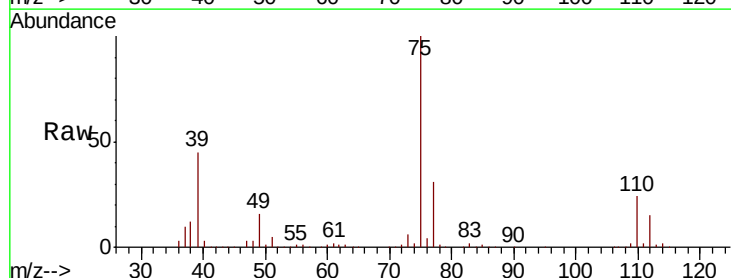
Manual Integrations
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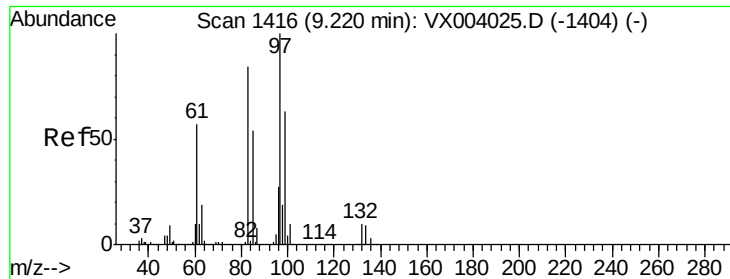
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#54
cis-1,3-Dichloropropene
Concen: 50.29 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	44.7	36.2	54.2





#55

1,1,2-Trichloroethane

Concen: 49.55 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

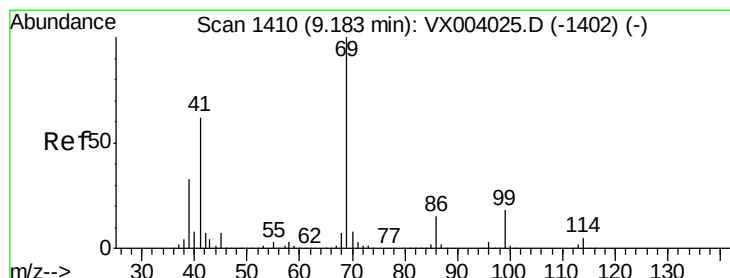
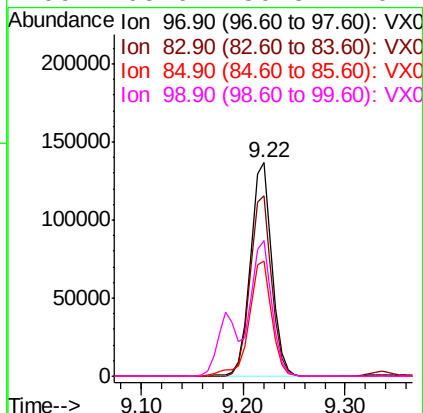
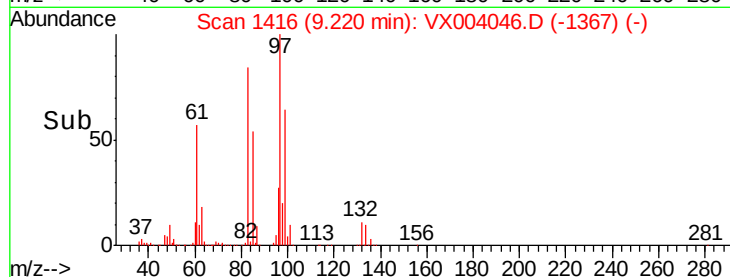
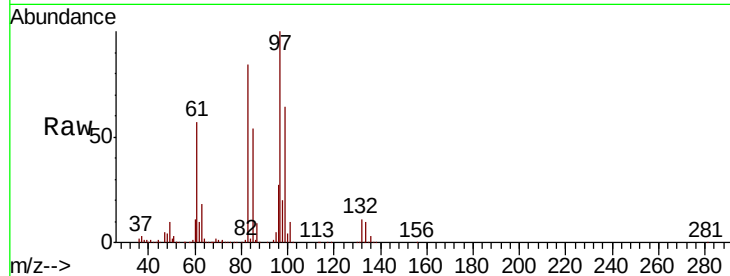
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		201646		
83	84.3	67.8	101.6		
85	54.2	44.2	66.2		
99	63.6	50.8	76.2		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.76 ug/l

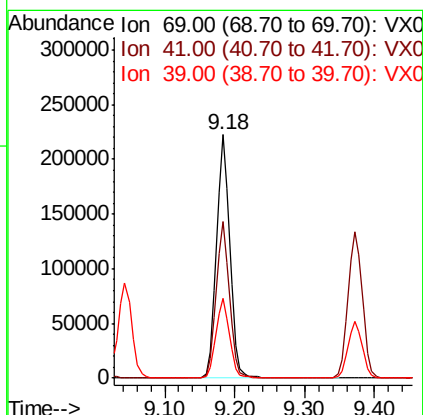
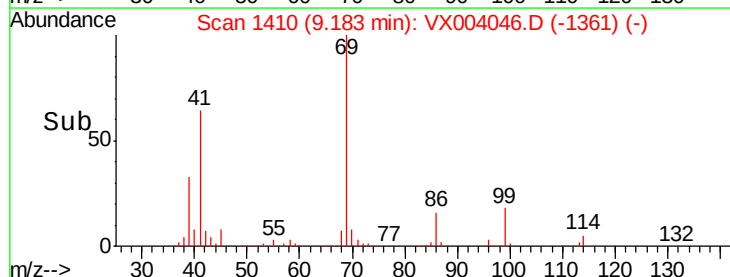
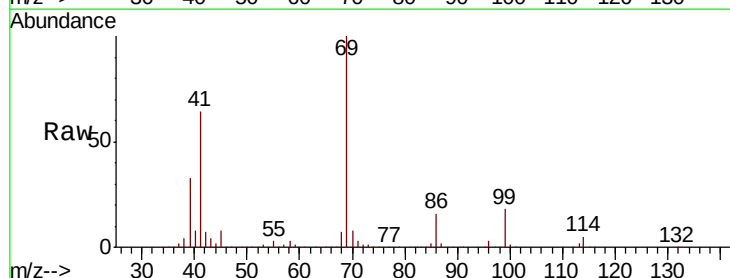
RT: 9.18 min Scan# 1410

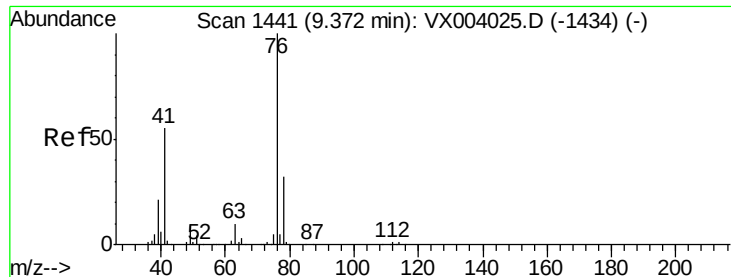
Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		297463		
41	63.8	50.6	76.0		
39	33.0	25.8	38.6		





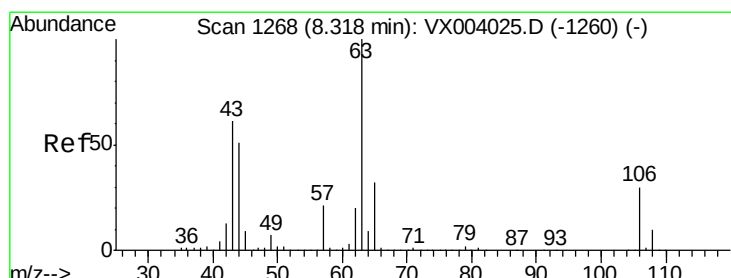
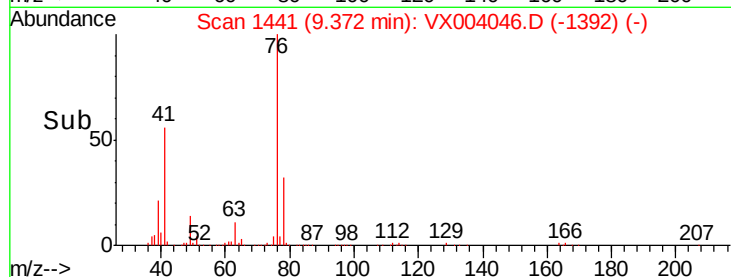
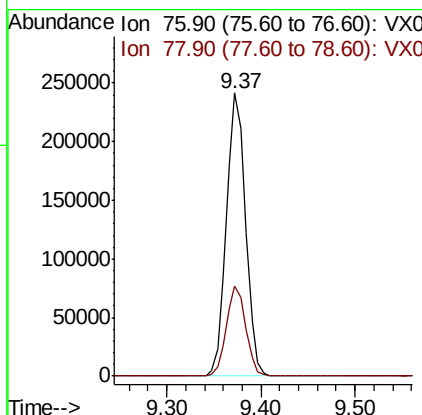
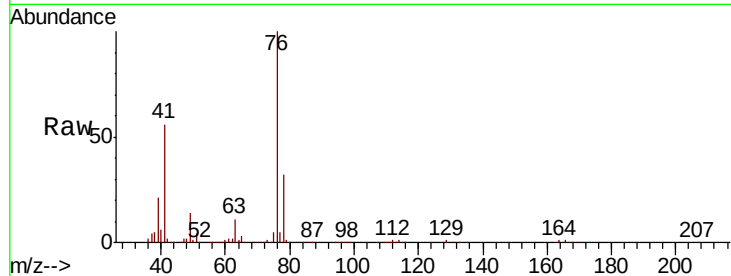
#57
 1,3-Dichloropropane
 Concen: 50.64 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 341923
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9

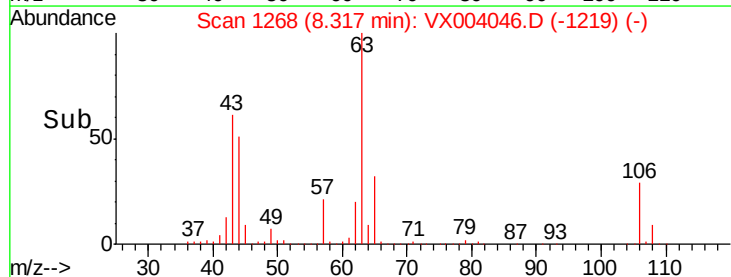
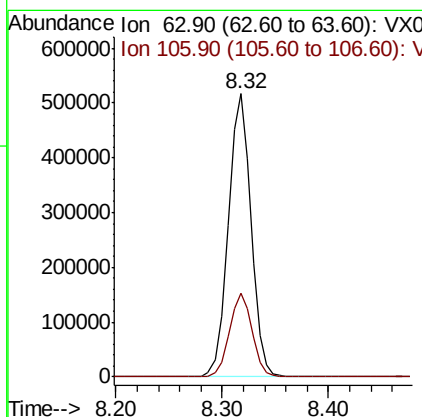
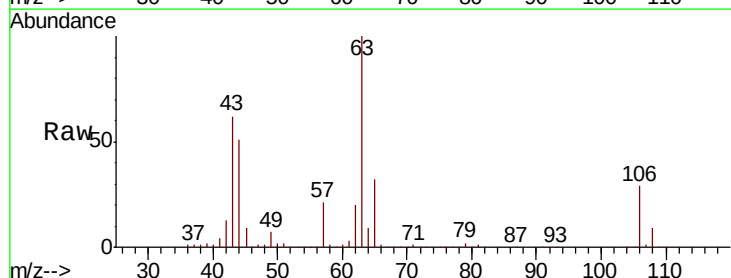
Manual Integrations
 APPROVED

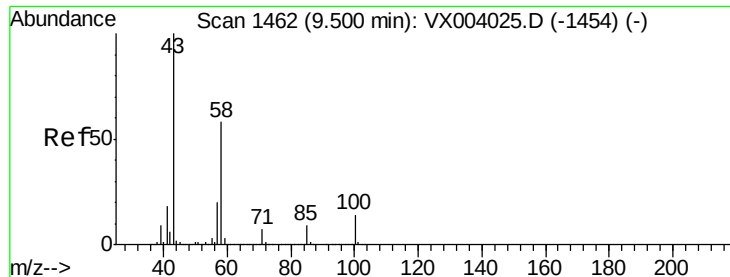
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 273.71 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Tgt Ion: 63 Resp: 771253
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.8 35.8





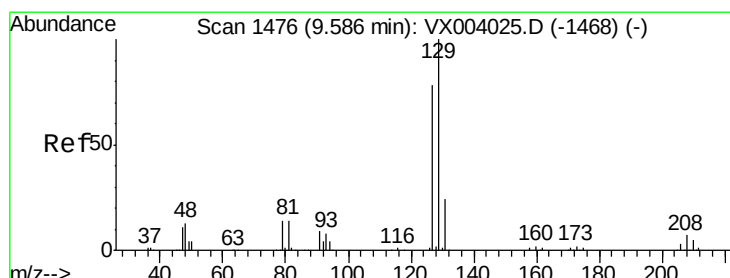
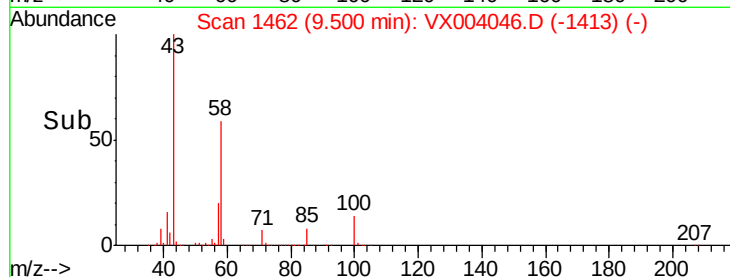
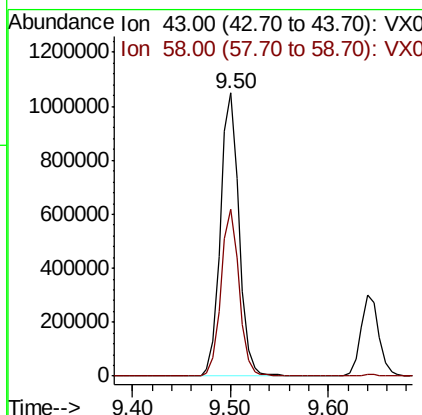
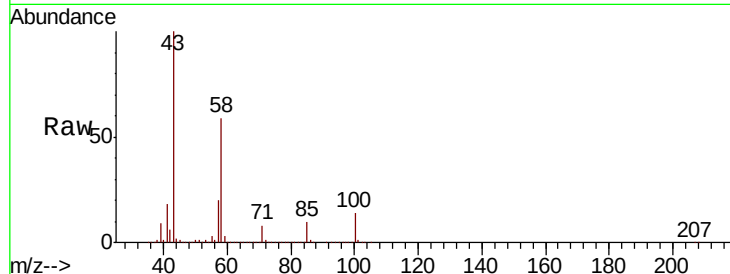
#59
2-Hexanone
Concen: 269.24 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1383827
Ion Ratio Lower Upper
43 100
58 57.8 29.0 87.0

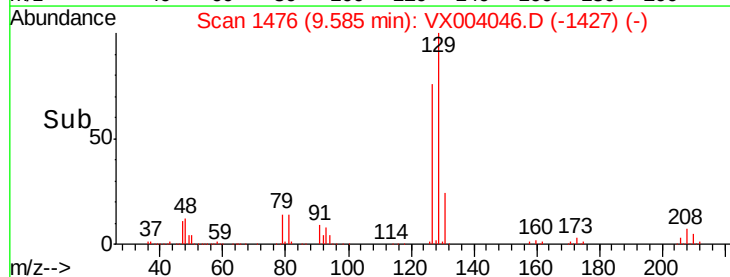
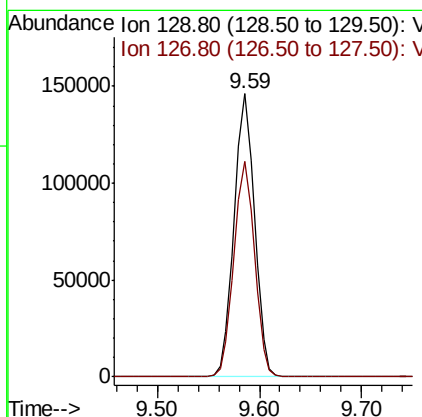
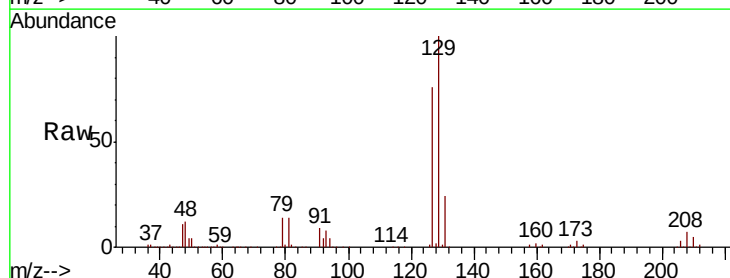
Manual Integrations
APPROVED

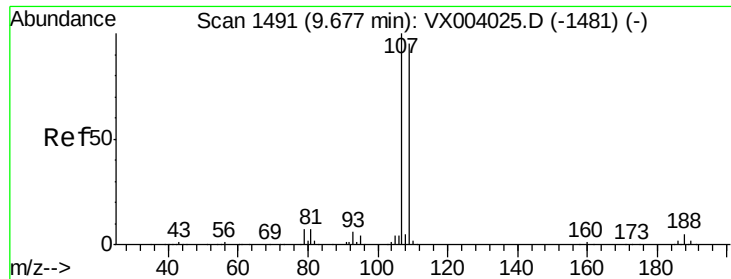
MMDadoda
8/15/2018 4:49:57 PM



#60
Dibromochloromethane
Concen: 51.66 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion: 129 Resp: 202303
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





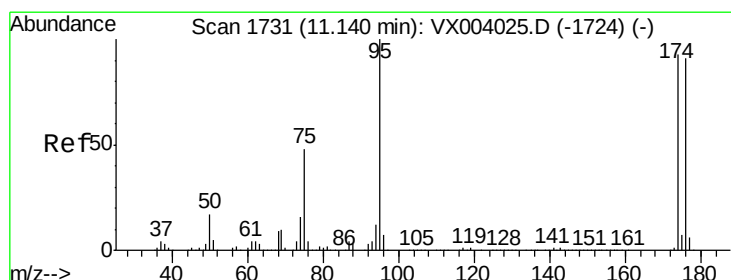
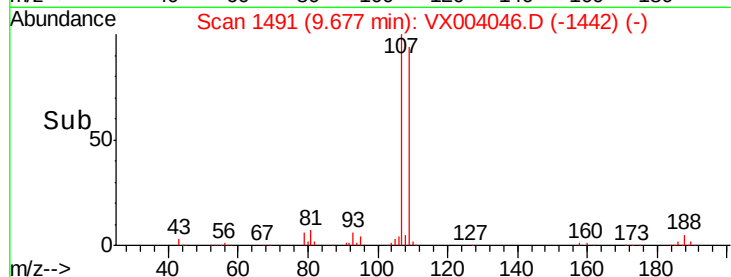
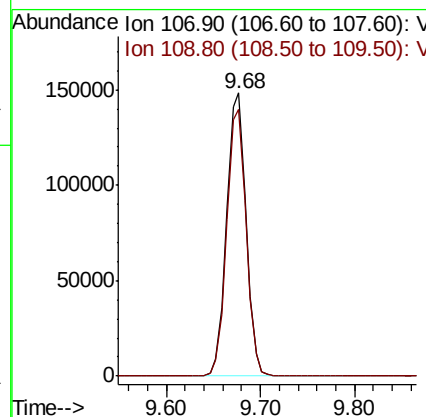
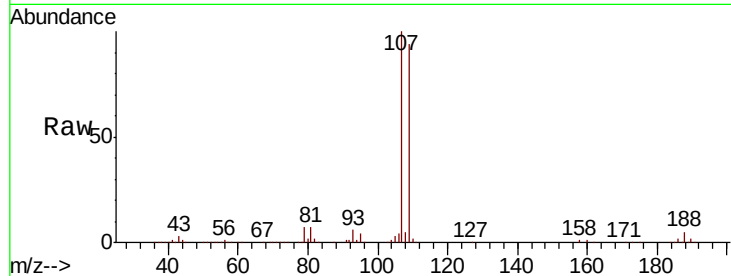
#61
 1,2-Dibromoethane
 Concen: 50.84 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	210911		
109	94.8	75.8	113.8	

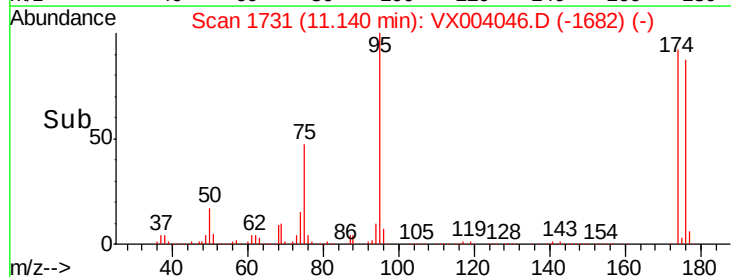
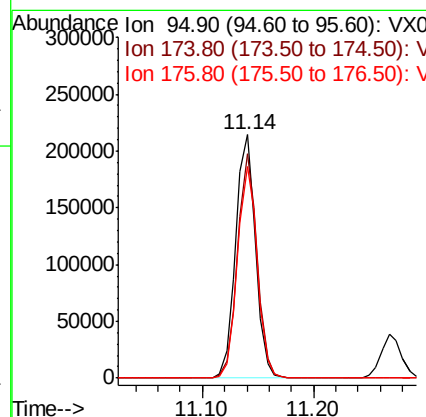
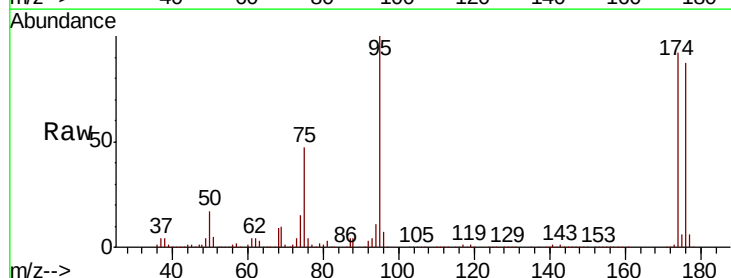
Manual Integrations
 APPROVED

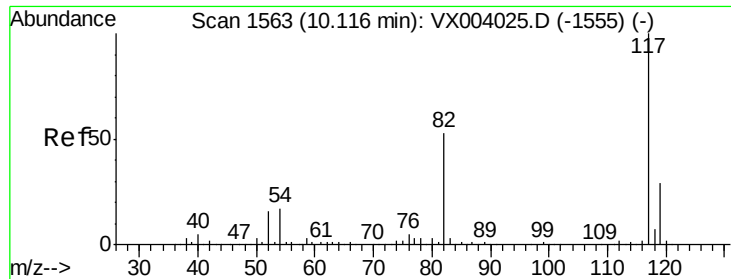
MMDadoda
 8/15/2018 4:49:57 PM



#62
 4-Bromofluorobenzene
 Concen: 52.75 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	264725		
174	90.9	0.0	182.8	
176	87.2	0.0	179.0	





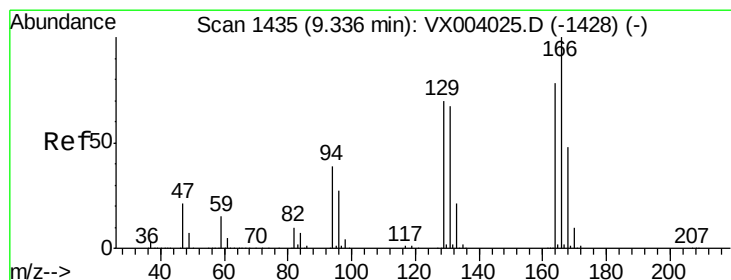
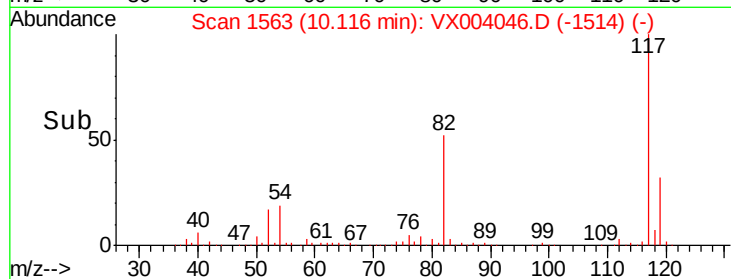
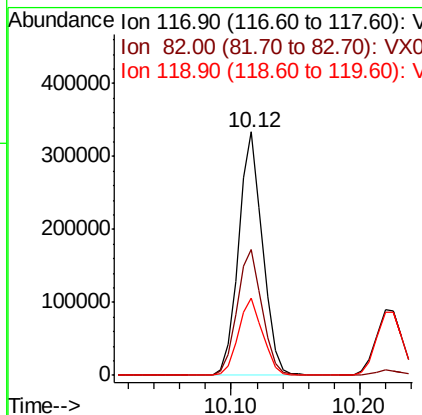
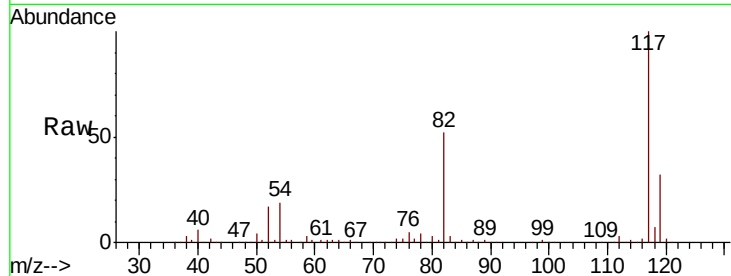
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	45.4	68.0
119	31.9	26.6	40.0

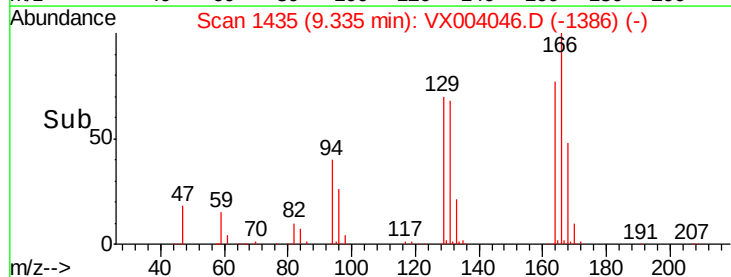
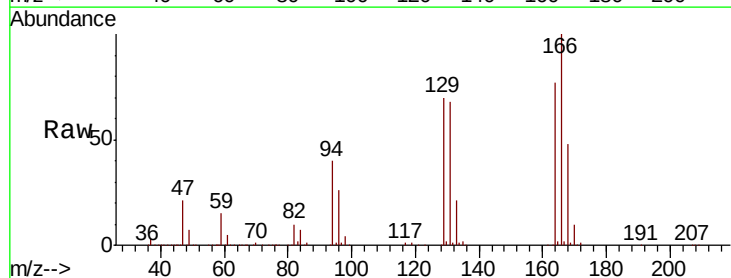
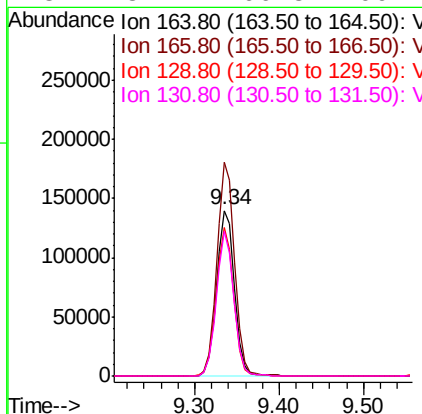
Manual Integrations
APPROVED

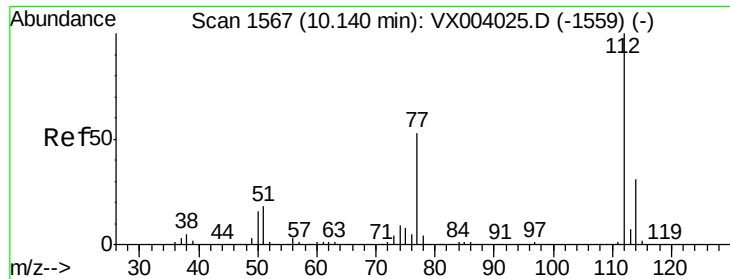
MMDadoda
8/15/2018 4:49:57 PM



#64
Tetrachloroethene
Concen: 50.46 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	98.0	147.0
129	90.0	64.3	96.5
131	87.2	66.8	100.2





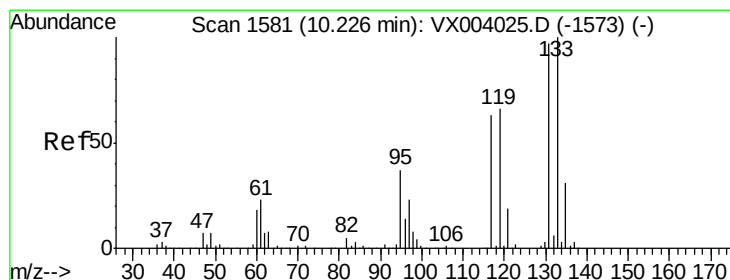
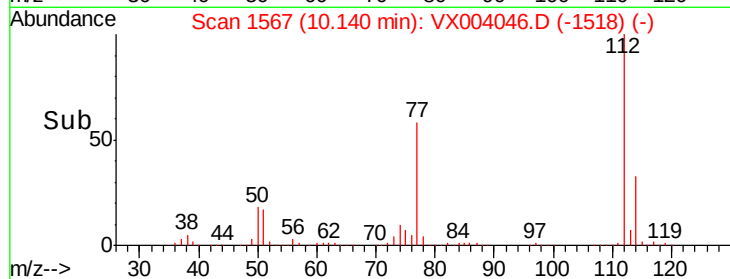
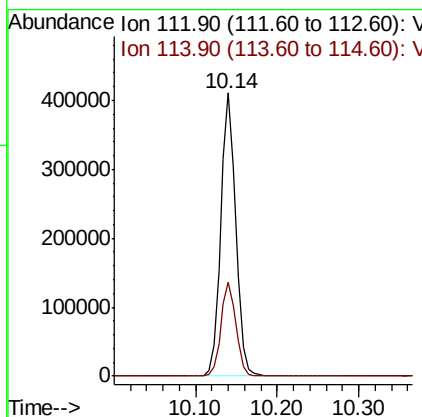
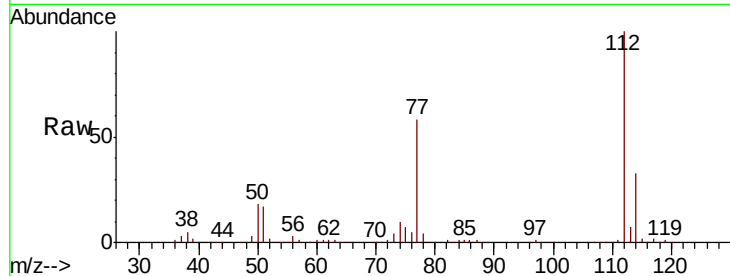
#65
Chlorobenzene
Concen: 47.83 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 529676
Ion Ratio Lower Upper
112 100
114 33.4 23.6 35.4

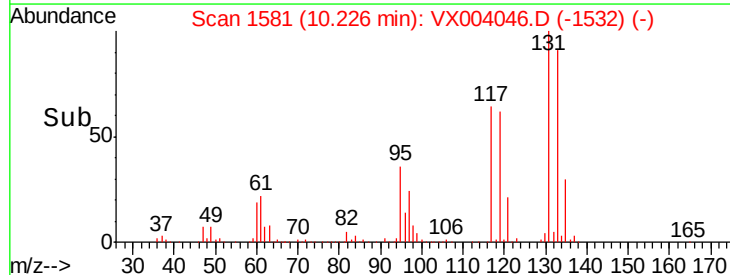
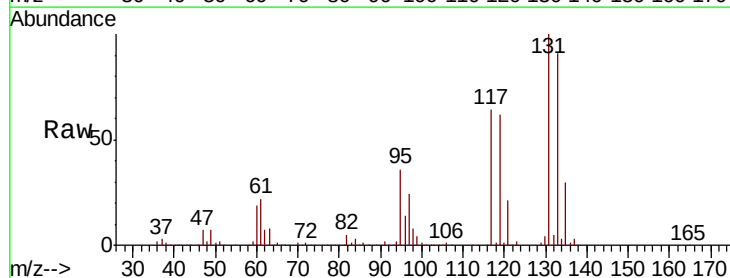
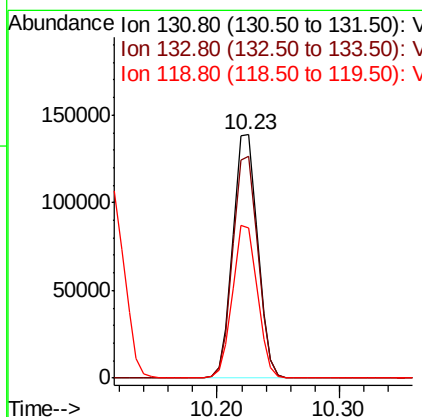
Manual Integrations
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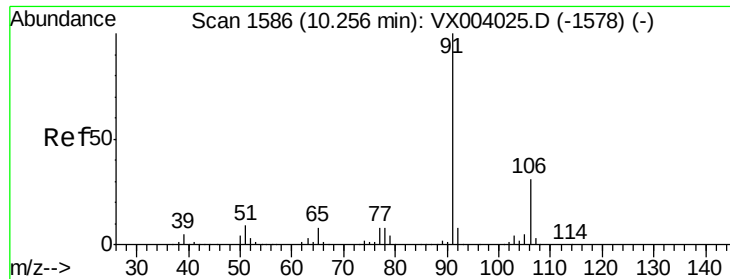
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.62 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion:131 Resp: 194946
Ion Ratio Lower Upper
131 100
133 92.1 47.3 141.8
119 62.6 31.6 94.8





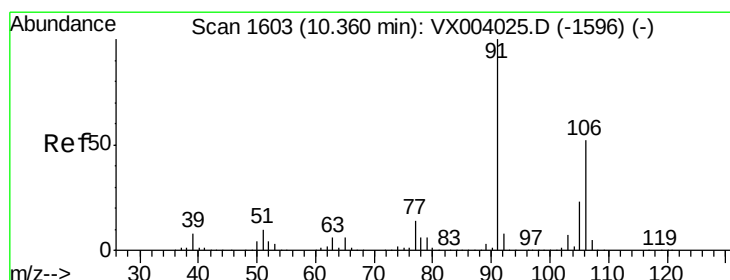
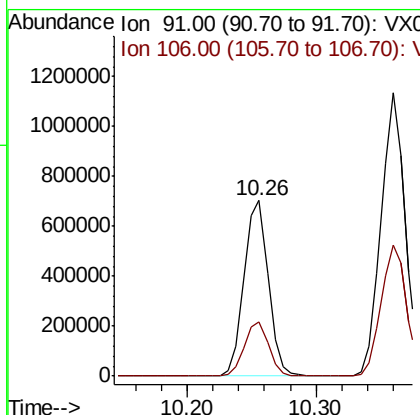
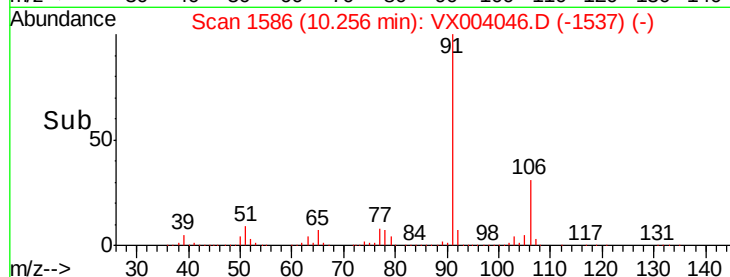
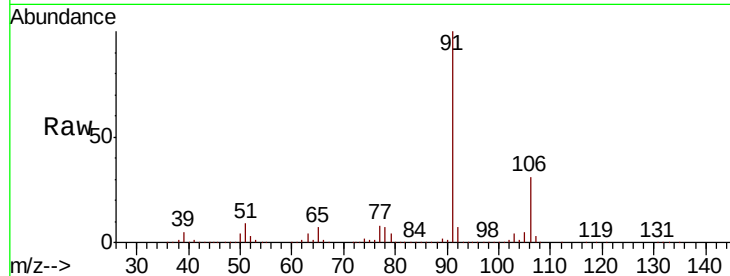
#67
Ethyl Benzene
Concen: 52.07 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 913049
Ion Ratio Lower Upper
91 100
106 30.8 25.9 38.9

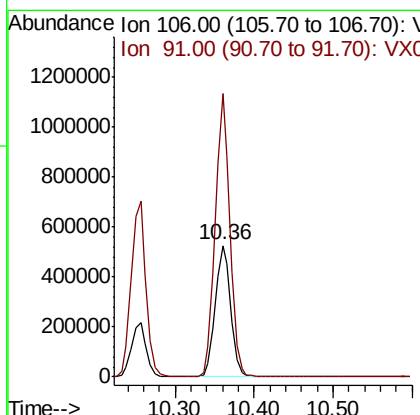
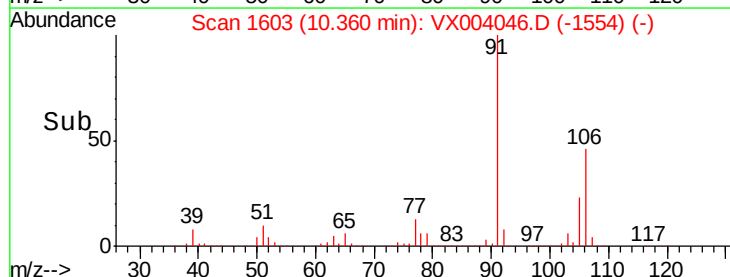
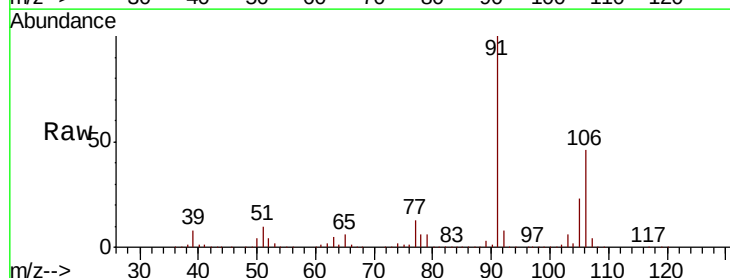
Manual Integrations
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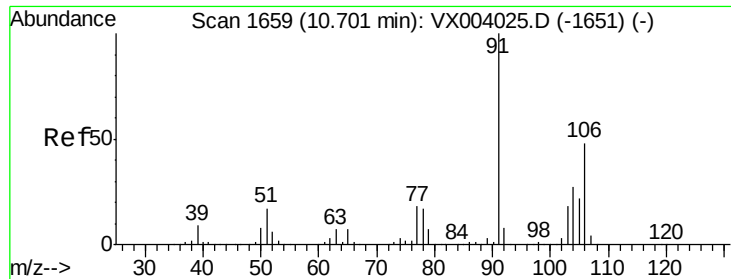
MMDadoda
8/15/2018 4:49:57 PM



#68
m/p-Xylenes
Concen: 104.56 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion: 106 Resp: 717939
Ion Ratio Lower Upper
106 100
91 205.2 162.3 243.5





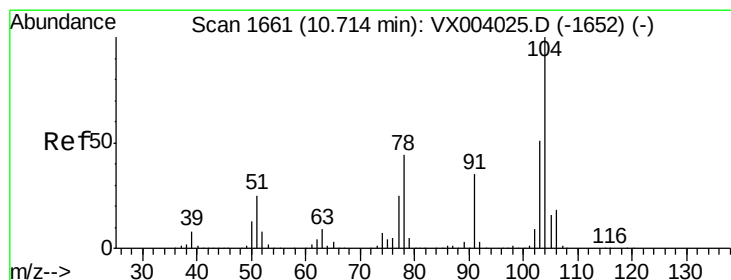
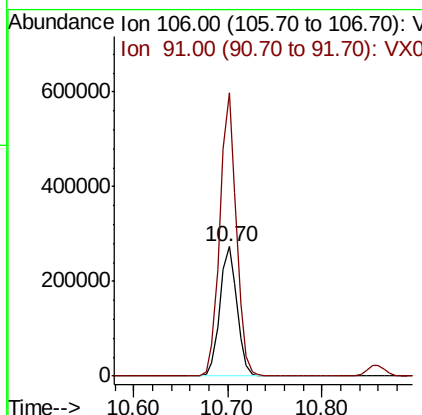
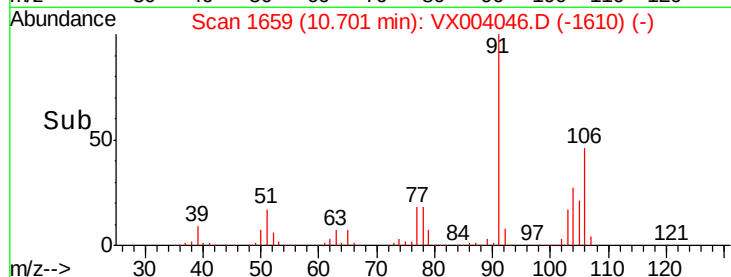
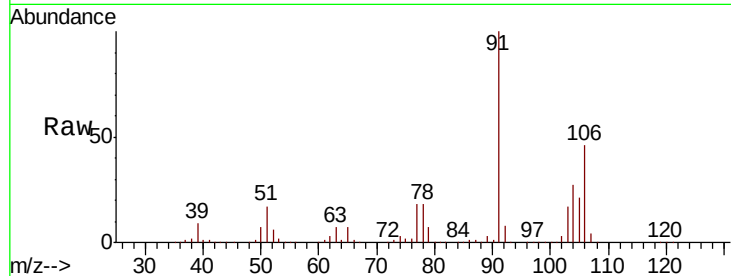
#69
o-Xylene
Concen: 52.67 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.1	101.9	305.7

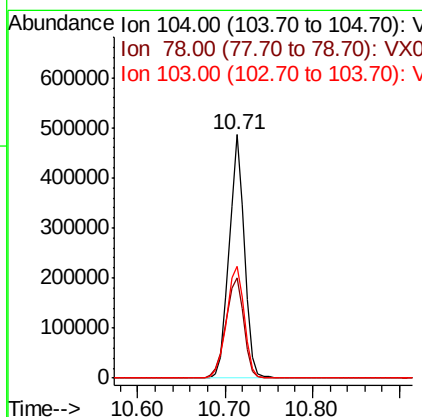
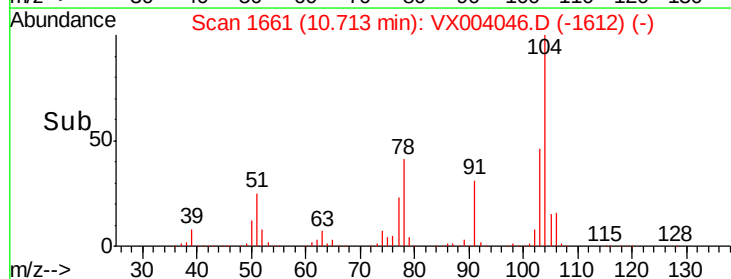
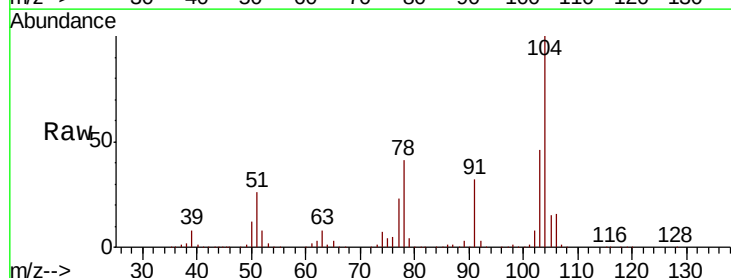
Manual Integrations
APPROVED

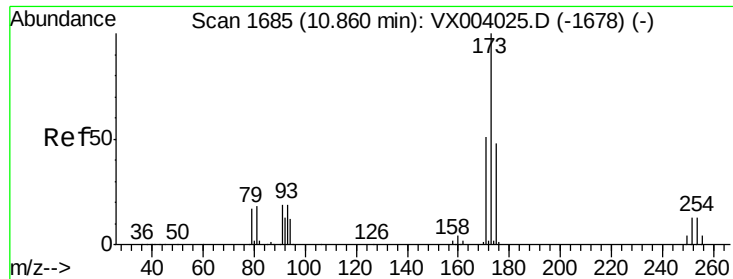
MMDadoda
8/15/2018 4:49:57 PM



#70
Styrene
Concen: 53.42 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.8	59.6
103	53.5	44.3	66.5





#71

Bromoform

Concen: 52.19 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

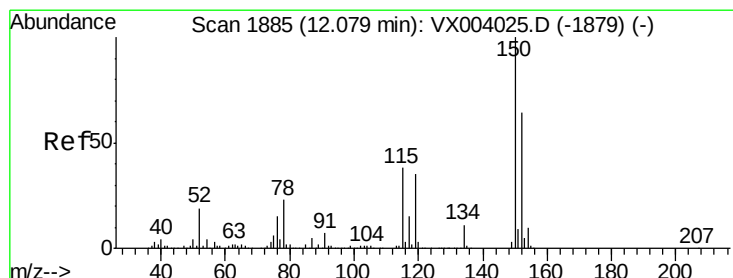
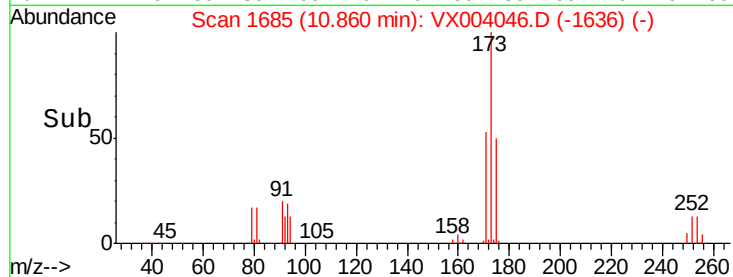
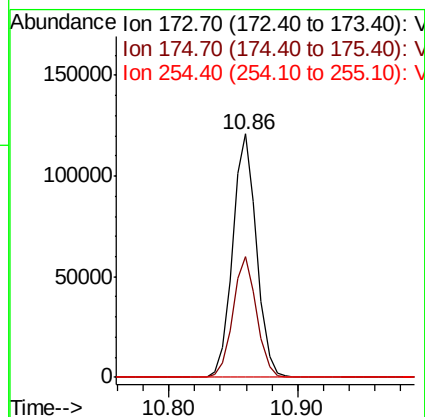
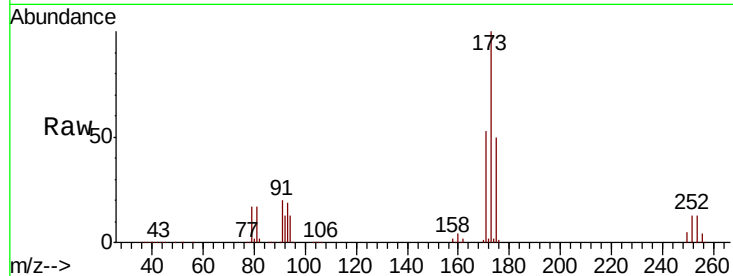
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	156293
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.9	74.7
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

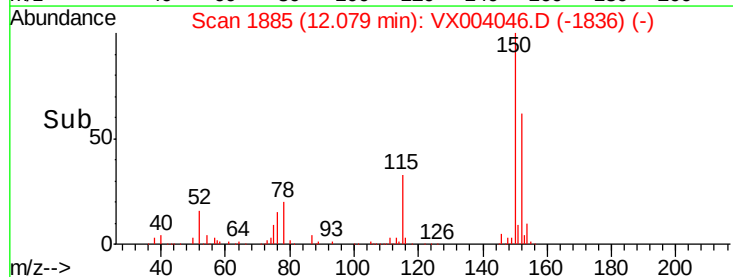
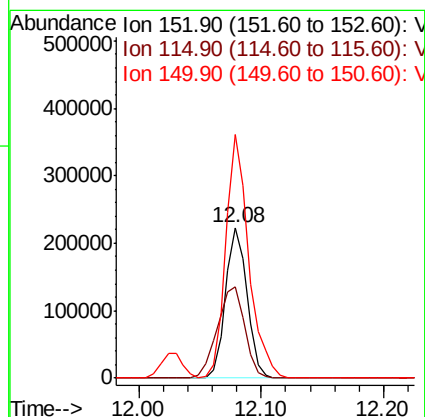
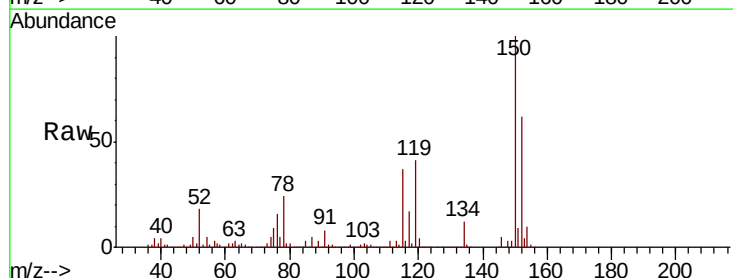
RT: 12.08 min Scan# 1885

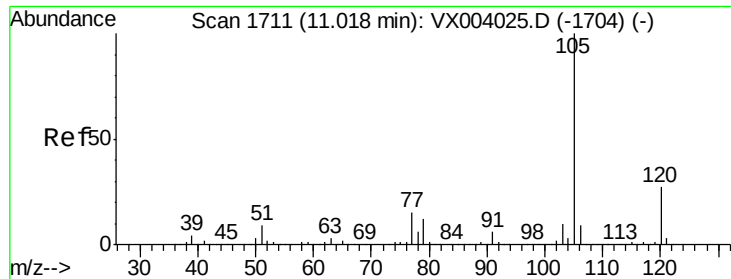
Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Tgt Ion:	152	Resp:	270768
Ion Ratio	Lower	Upper	
152	100		
115	78.0	39.1	117.3
150	173.4	0.0	349.2





#73

Isopropylbenzene

Concen: 52.03 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 953306

Ion Ratio Lower Upper

105 100

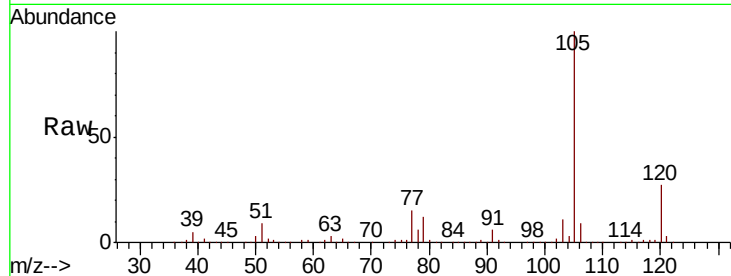
120 26.6 12.6 37.8

Manual Integrations

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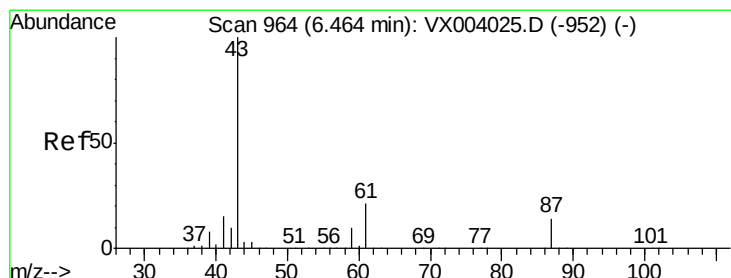
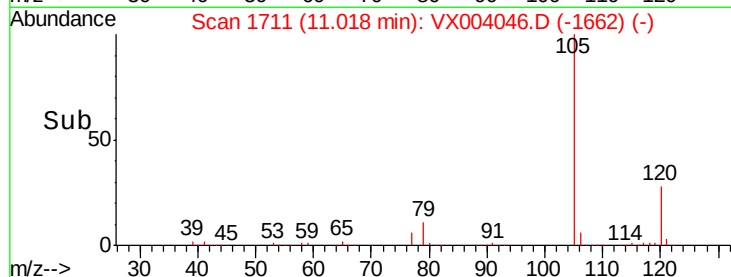
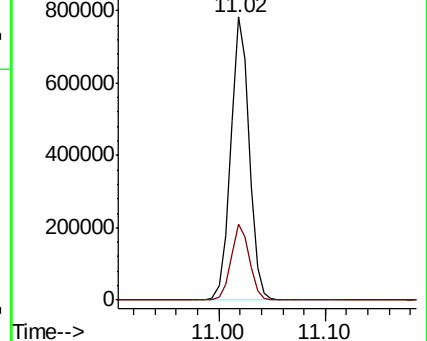
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.62 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Tgt Ion: 43 Resp: 427662

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.1 0.1#

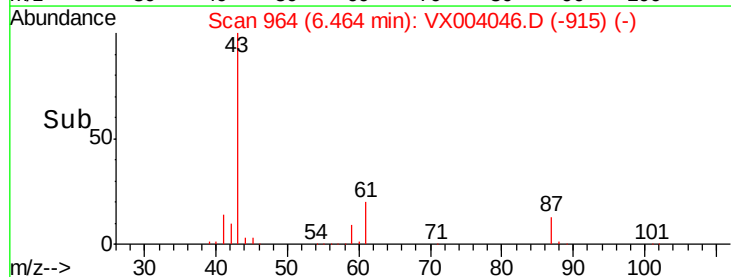
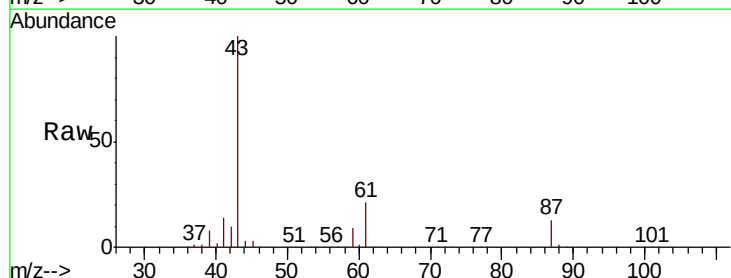
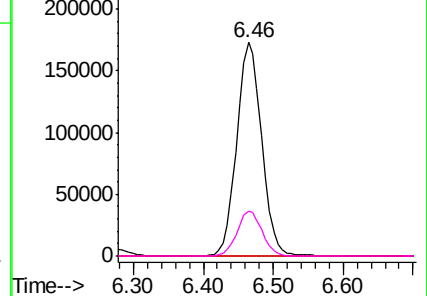
61 21.1 16.9 25.3

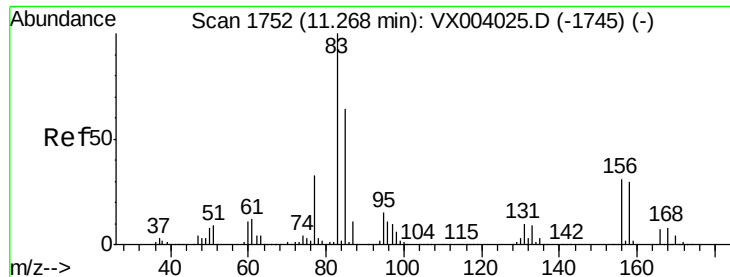
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.80 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

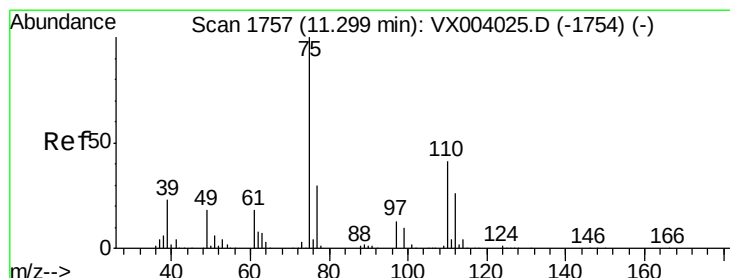
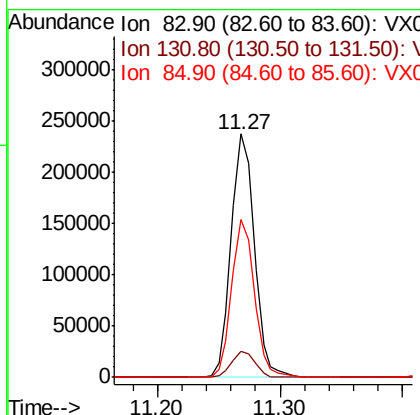
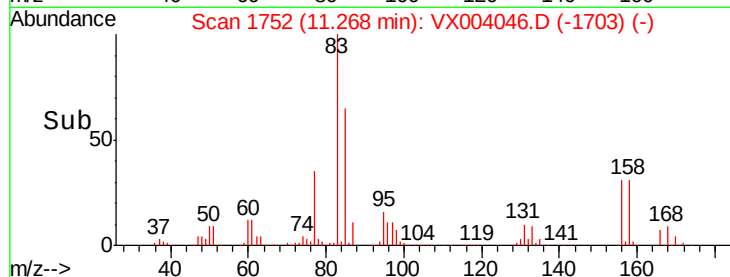
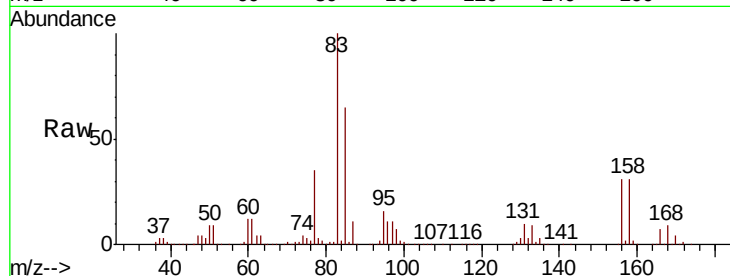
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	312241
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	63.7	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.50 ug/l m

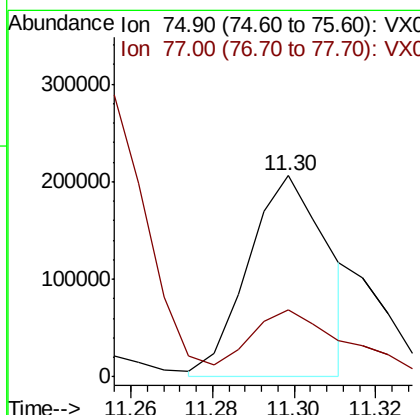
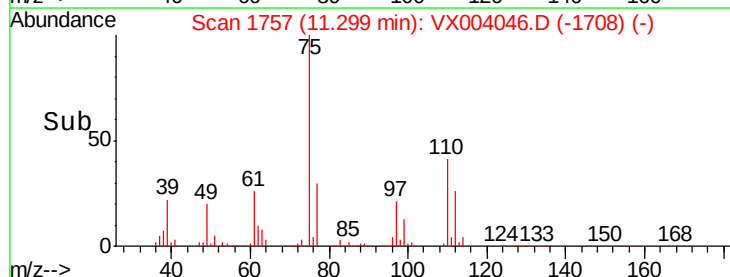
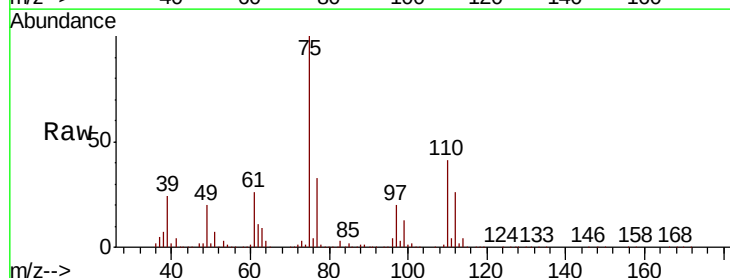
RT: 11.30 min Scan# 1757

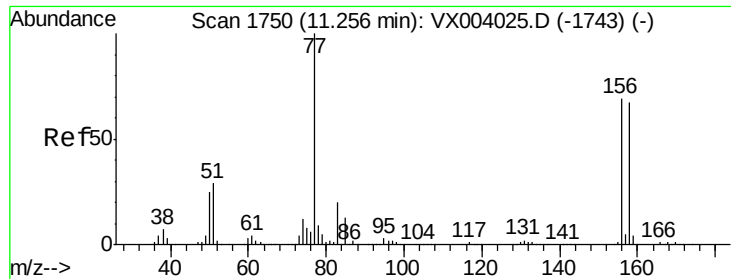
Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Tgt Ion:	75	Resp:	279646
Ion Ratio	Lower	Upper	
75	100		
77	40.4	20.8	62.5





#77

Bromobenzene

Concen: 49.61 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

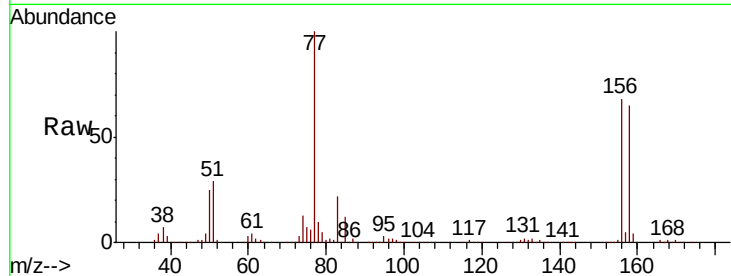
ClientSampleId :

VSTDCCC050

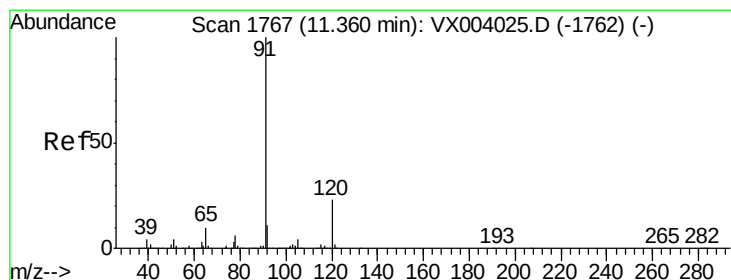
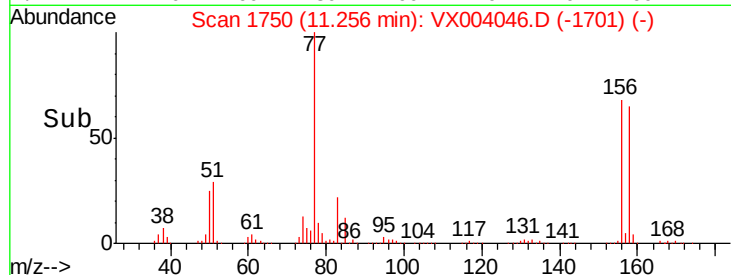
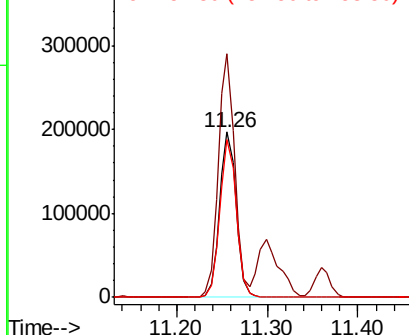
Tot Ion:	156	Resp:	250570
Ion Ratio	Lower	Upper	
156	100		
77	146.3	74.1	222.2
158	95.3	48.6	145.9

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



#78

n-propylbenzene

Concen: 52.55 ug/l

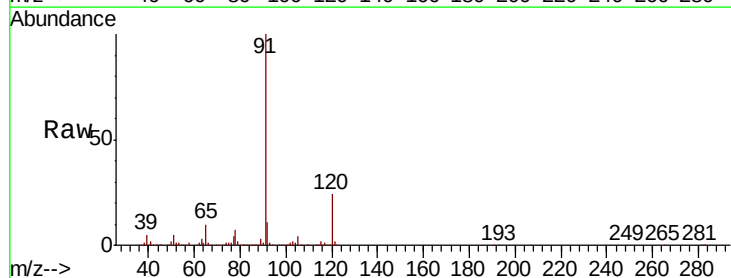
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

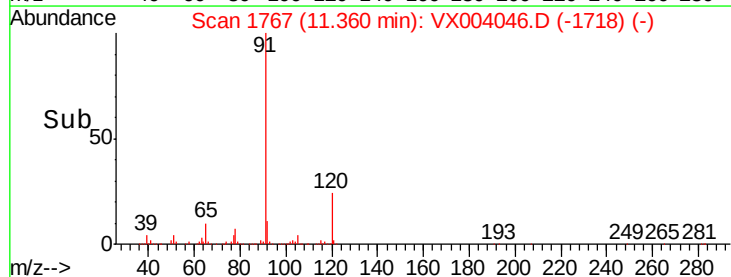
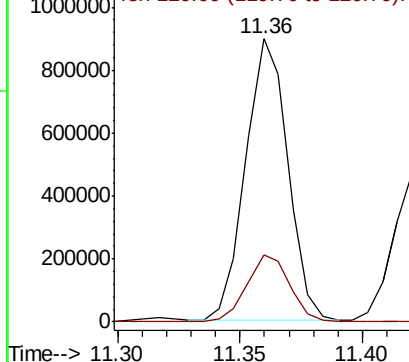
Lab File: VX004046.D

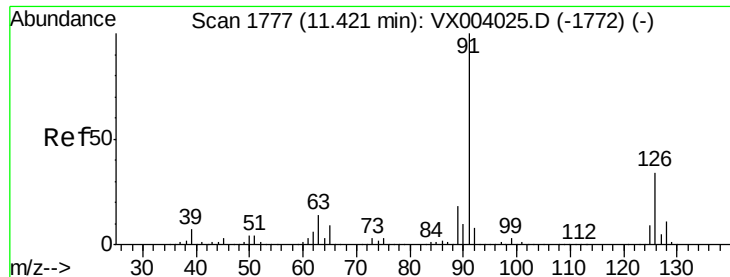
Acq: 14 Aug 2018 23:29

Tgt Ion:	91	Resp:	1077656
Ion Ratio	Lower	Upper	
91	100		
120	24.3	11.9	35.5



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





#79

2-Chlorotoluene

Concen: 48.99 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 612173

Ion Ratio Lower Upper

91 100

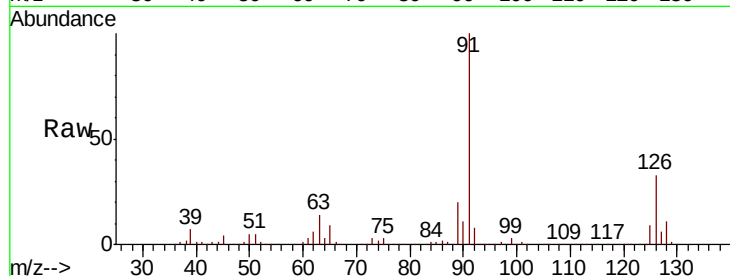
126 34.8 17.4 52.3

Manual Integrations

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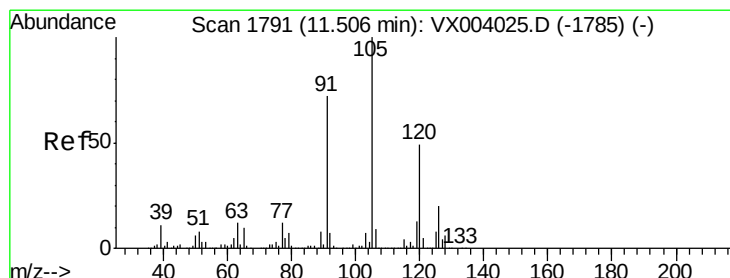
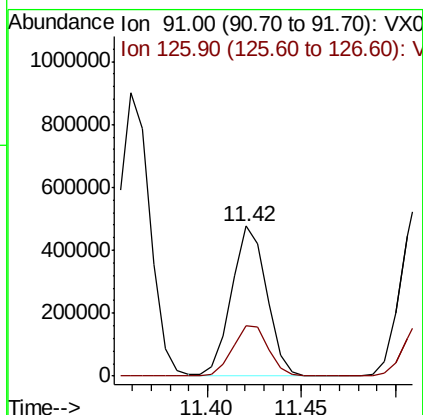
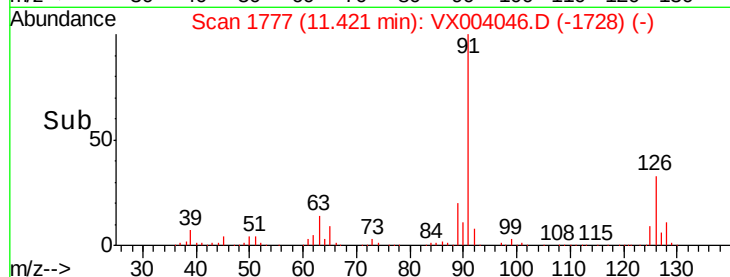
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX004025.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004025.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.42 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004046.D

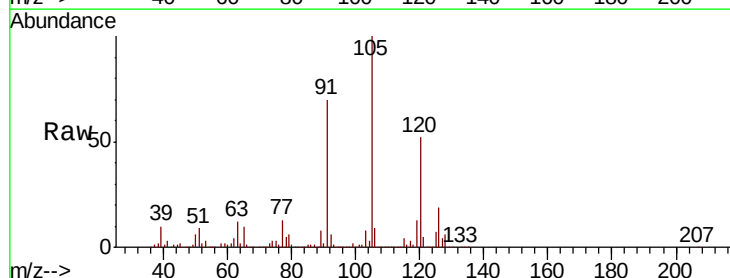
Acq: 14 Aug 2018 23:29

Tgt Ion: 105 Resp: 756534

Ion Ratio Lower Upper

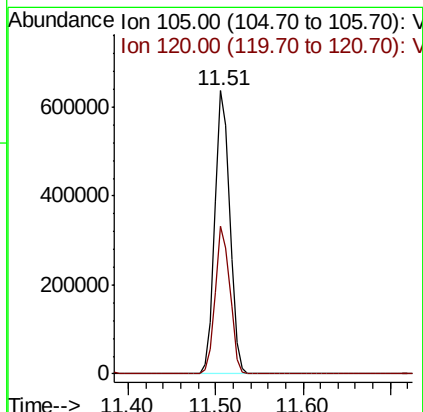
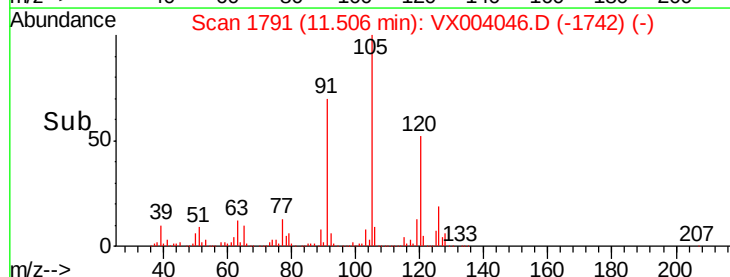
105 100

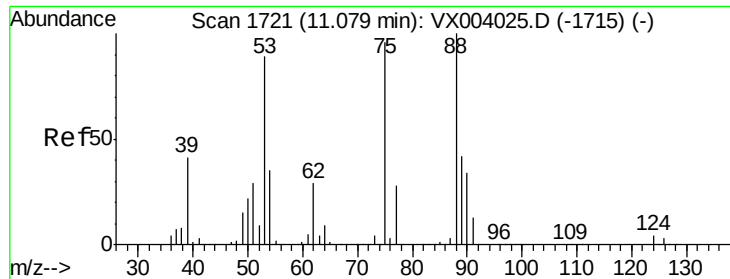
120 51.3 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): VX004025.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004025.D (-1785) (-)





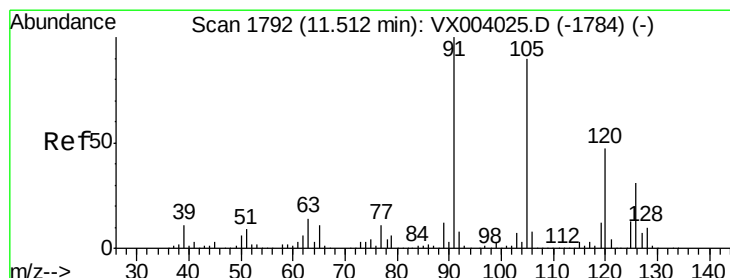
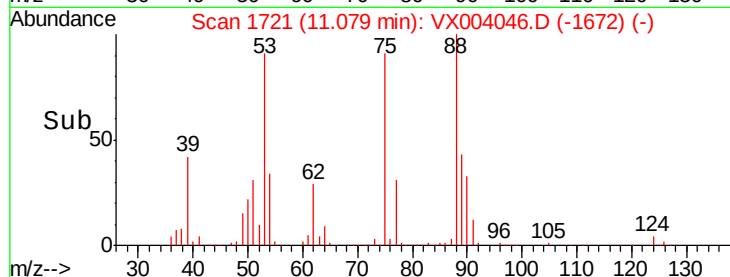
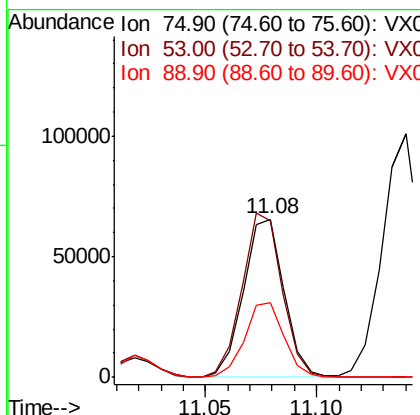
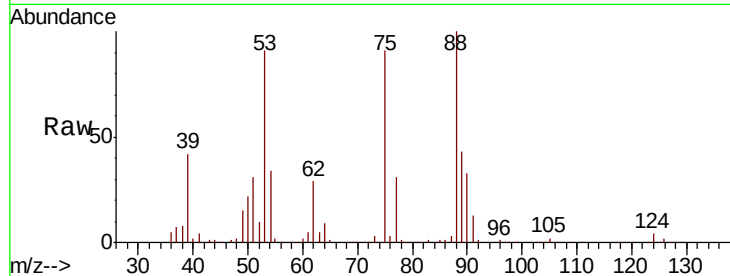
#81
trans-1,4-Dichloro-2-butene
Concen: 47.40 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.0	80.3	120.5
89	46.2	37.8	56.8

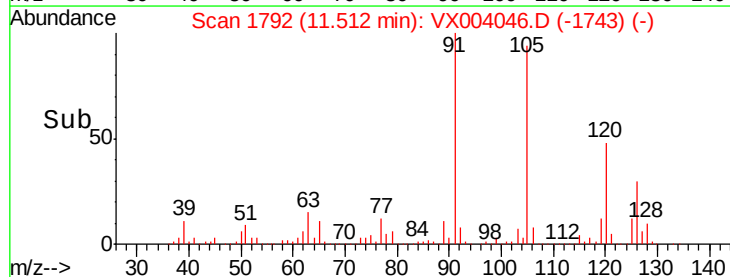
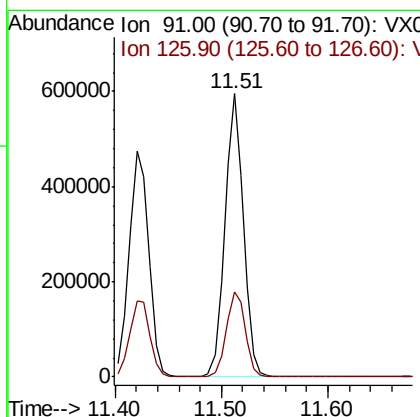
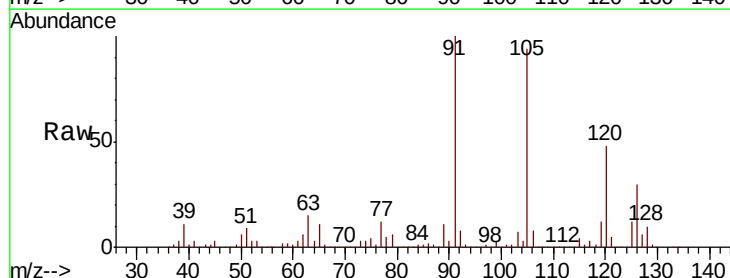
Manual Integrations
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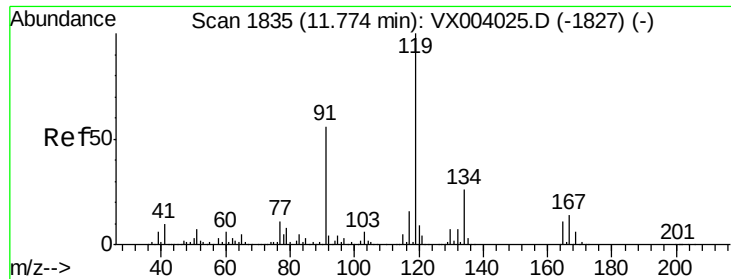
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.82 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.7





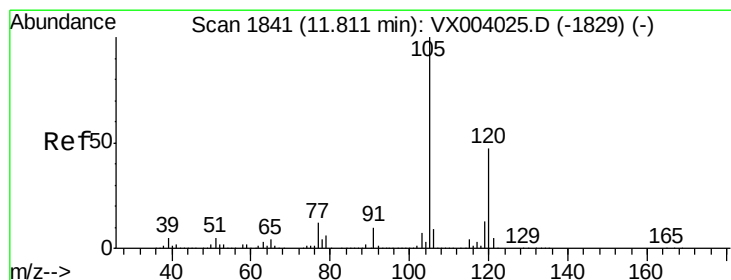
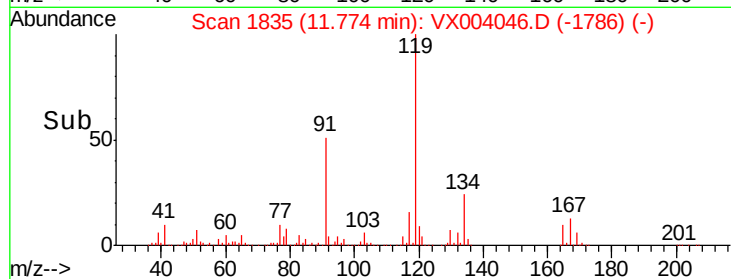
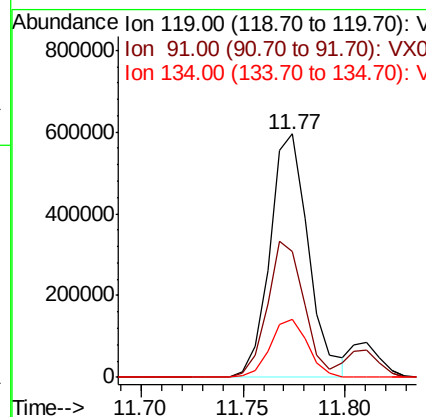
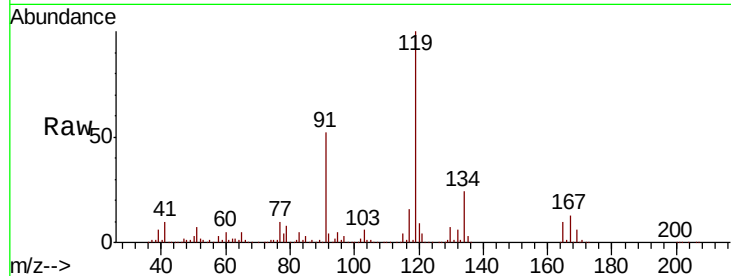
#83
 tert-Butylbenzene
 Concen: 51.80 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	783654		
91	52.9	26.9	80.7	
134	23.4	12.0	36.0	

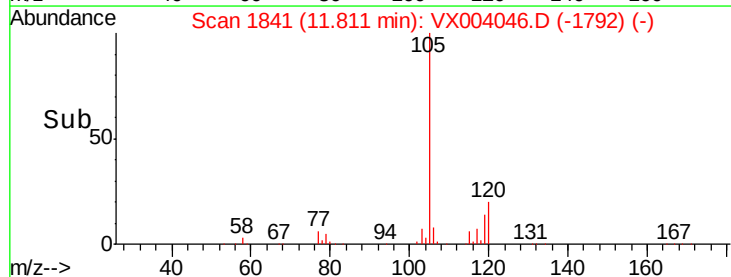
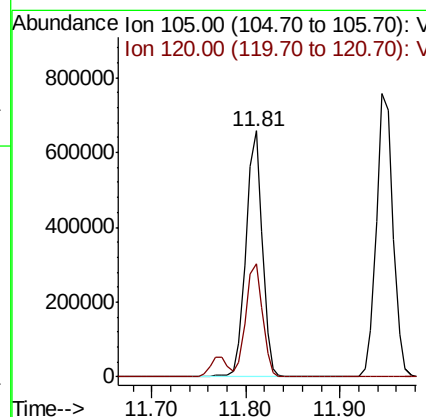
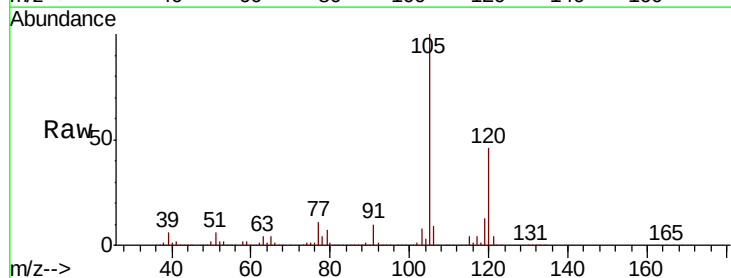
Manual Integrations
 APPROVED

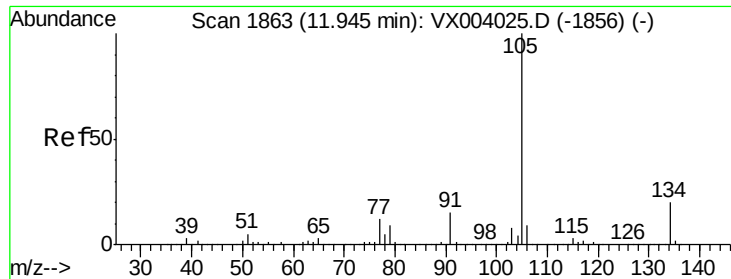
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 8/15/2018 4:49:57 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.14 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	794712		
120	47.3	23.1	69.2	





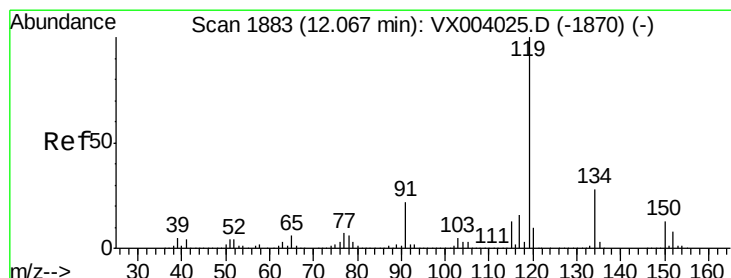
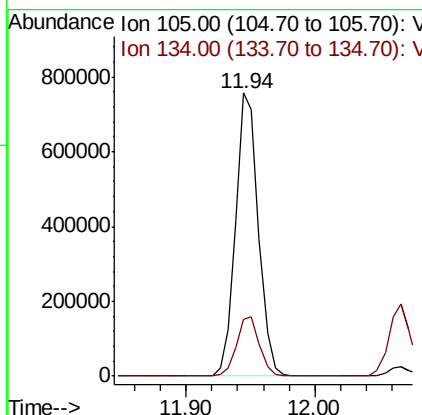
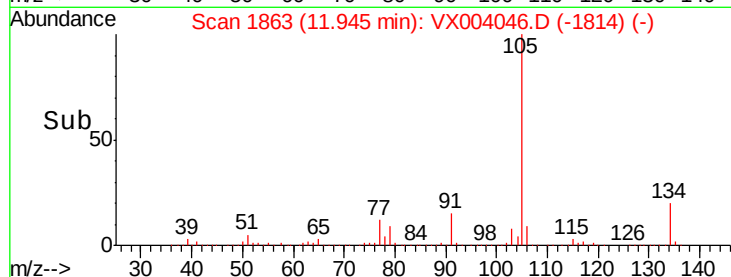
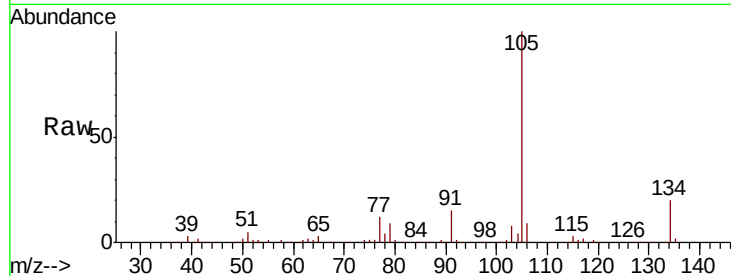
#85
 sec-Butylbenzene
 Concen: 52.58 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 931003
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.3 30.9

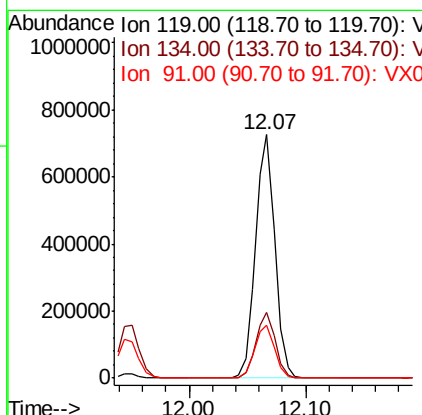
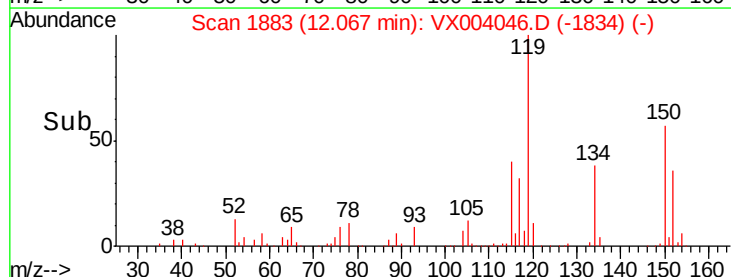
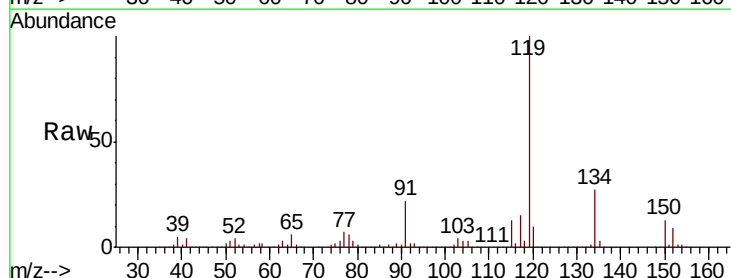
Manual Integrations
 APPROVED

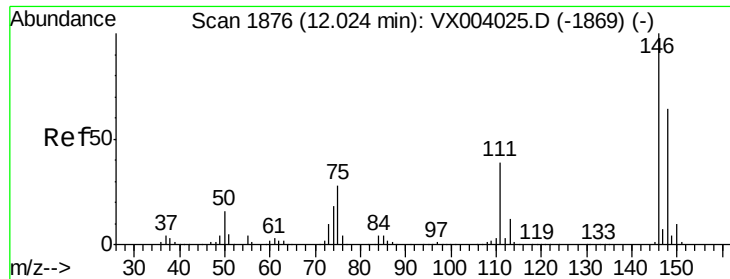
MMDadoda
 8/15/2018 4:49:57 PM



#86
 p-Isopropyltoluene
 Concen: 52.53 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Tgt Ion:119 Resp: 842042
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.8
 91 22.2 10.9 32.7





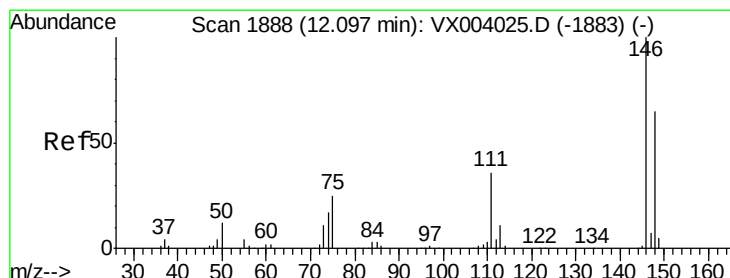
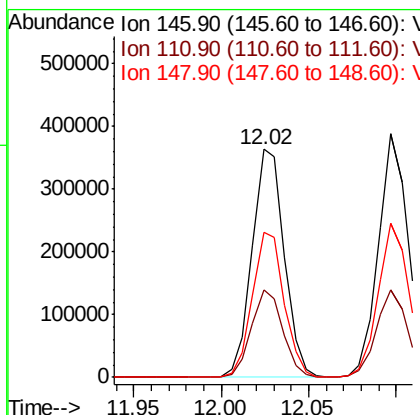
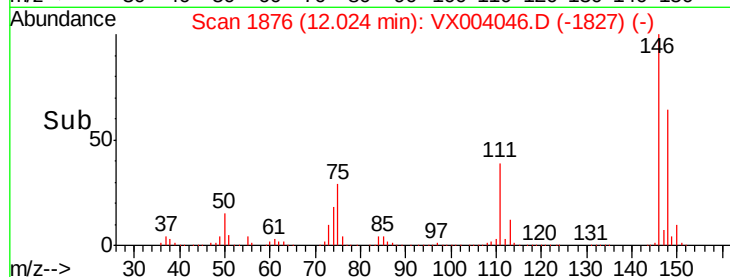
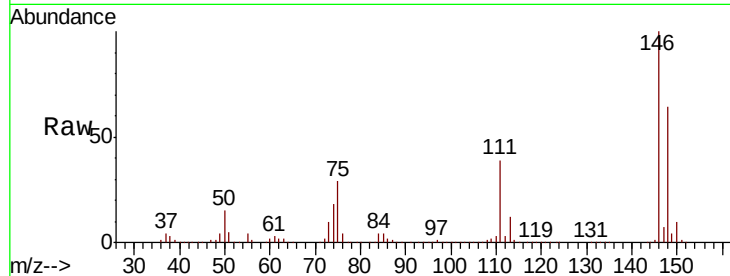
#87
 1,3-Dichlorobenzene
 Concen: 48.33 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	63.0	31.9	95.5

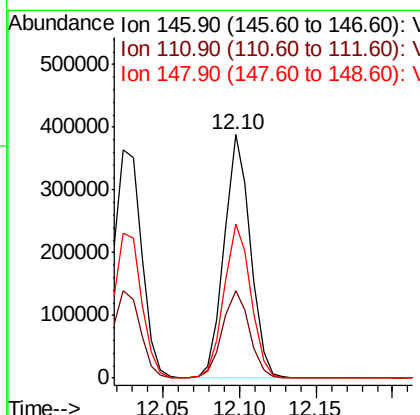
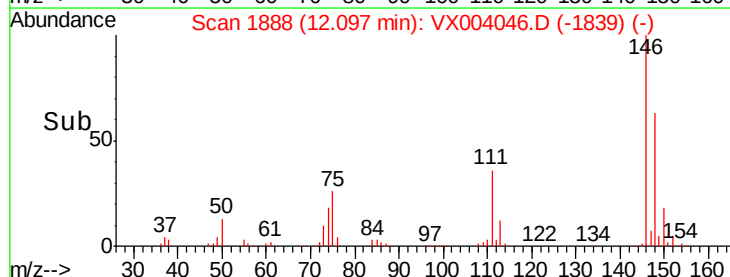
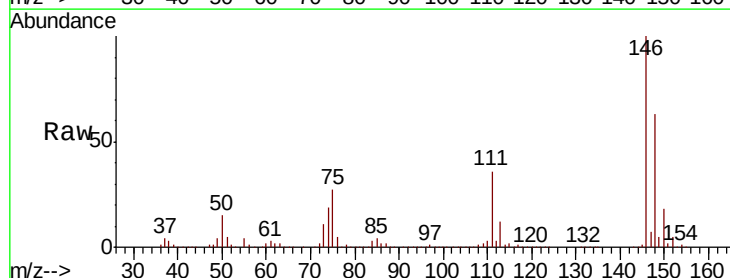
Manual Integrations
 APPROVED

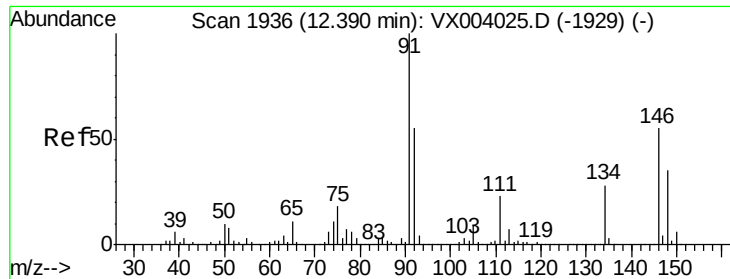
MMDadoda
 8/15/2018 4:49:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.37 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.0
148	65.0	32.3	96.8





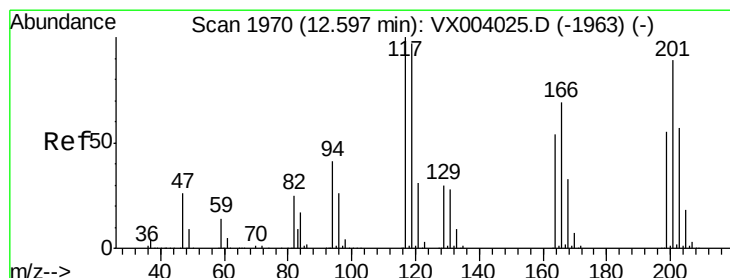
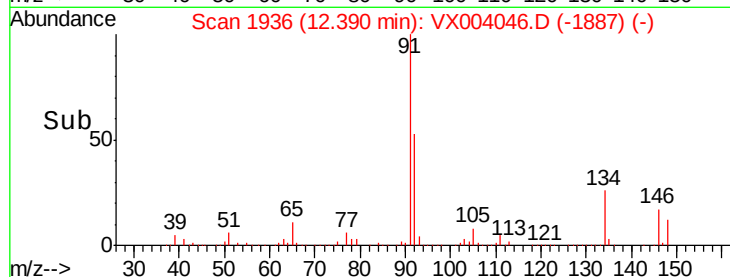
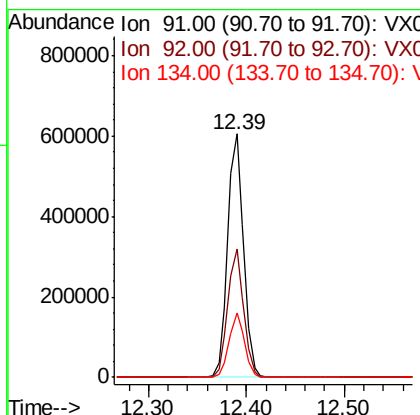
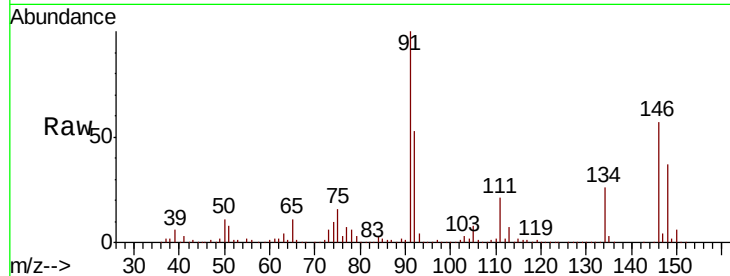
#89
n-Butylbenzene
Concen: 53.96 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.1	81.3
134	25.9	13.6	40.7

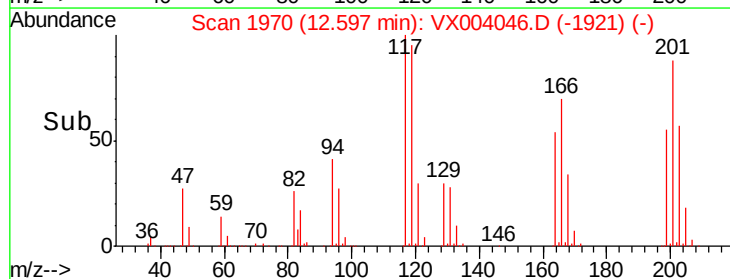
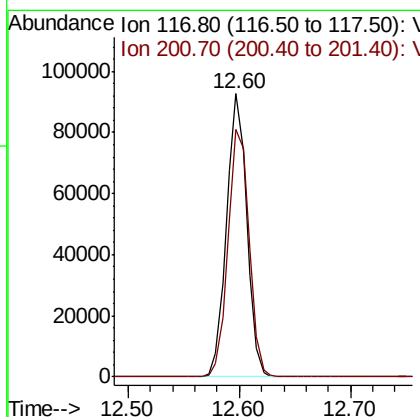
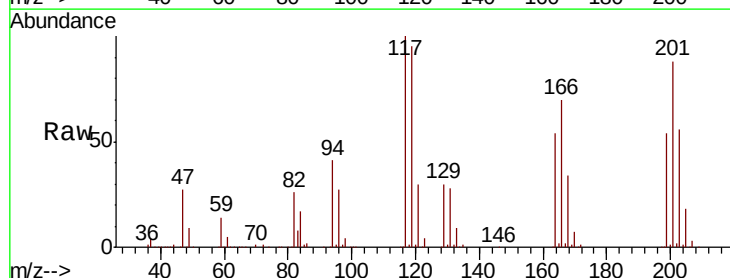
Manual Integrations
APPROVED

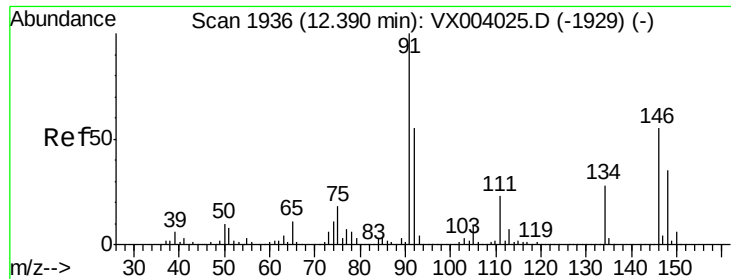
MMDadoda
8/15/2018 4:49:57 PM



#90
Hexachloroethane
Concen: 48.64 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004046.D
Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.8	46.1	138.2





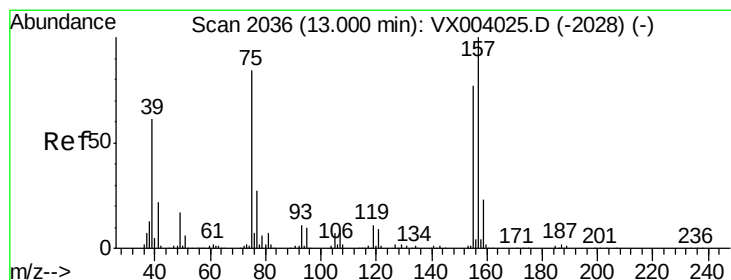
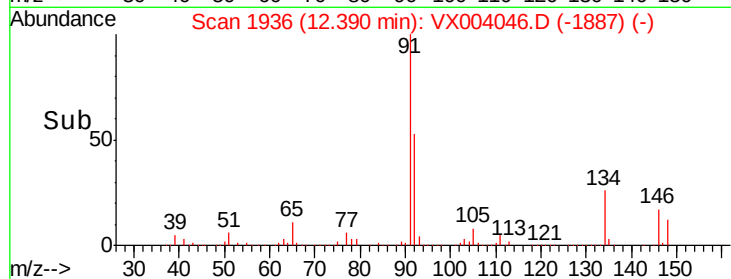
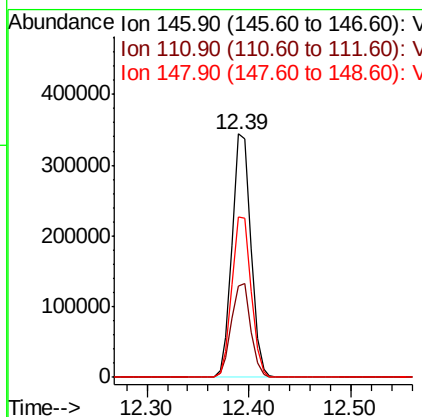
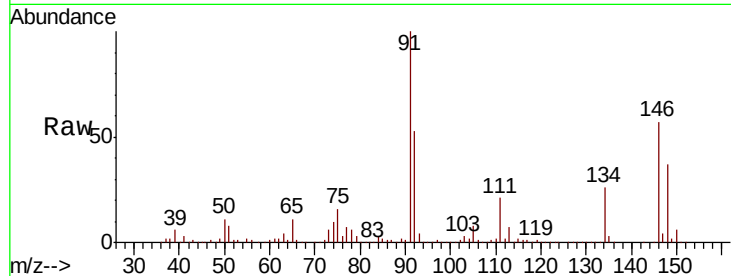
#91
 1,2-Dichlorobenzene
 Concen: 50.11 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	67.2	31.9	95.5

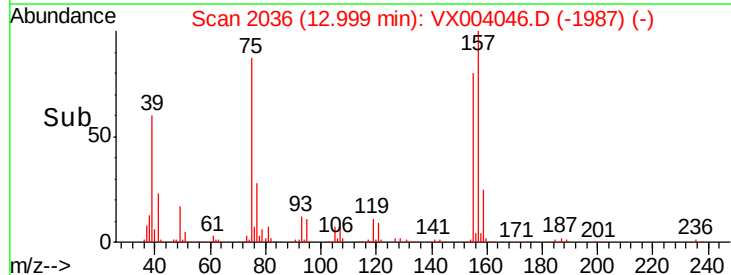
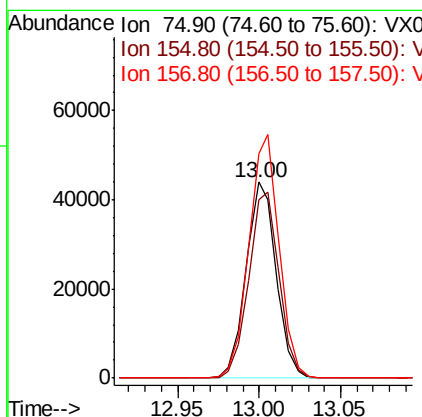
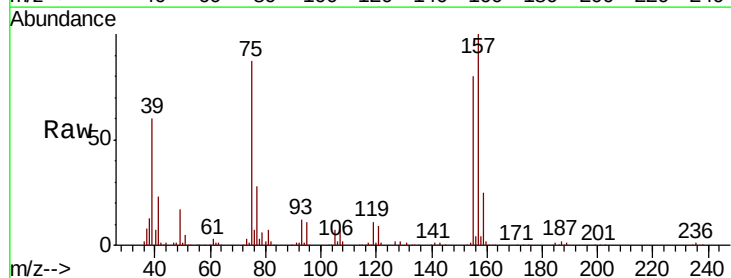
Manual Integrations
 APPROVED

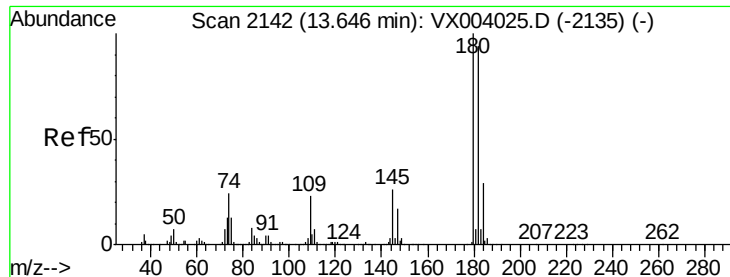
MMDadoda
 8/15/2018 4:49:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.20 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	48.7	146.1
157	124.1	62.6	187.8





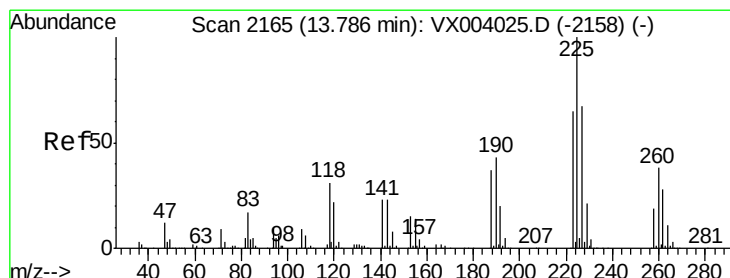
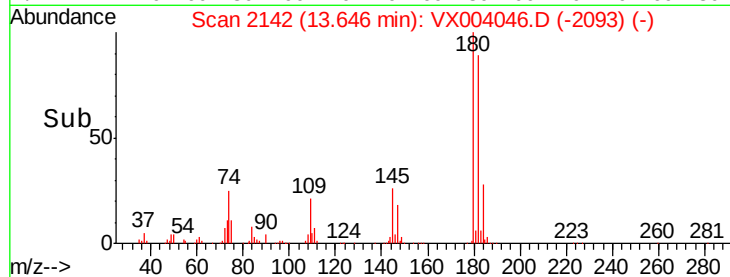
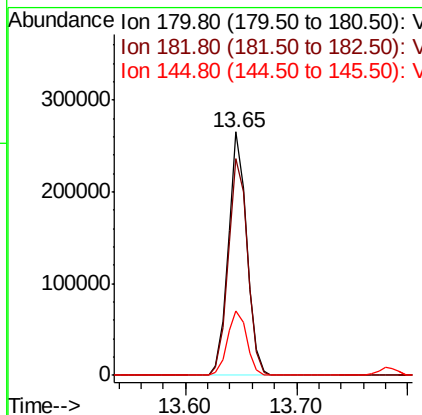
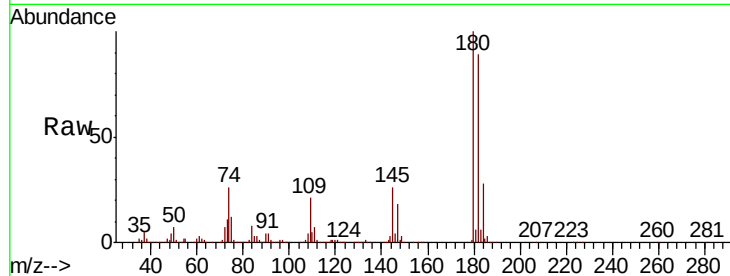
#93
 1,2,4-Trichlorobenzene
 Concen: 50.89 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	302243		
182	93.0	47.7	143.1	
145	27.9	13.9	41.6	

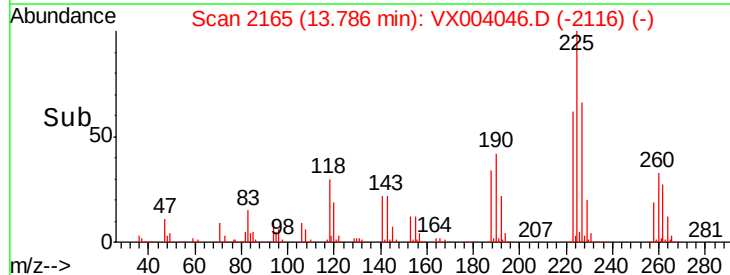
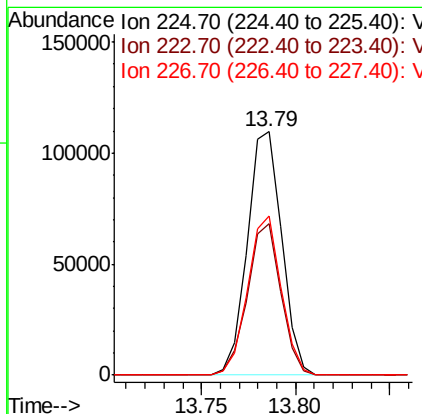
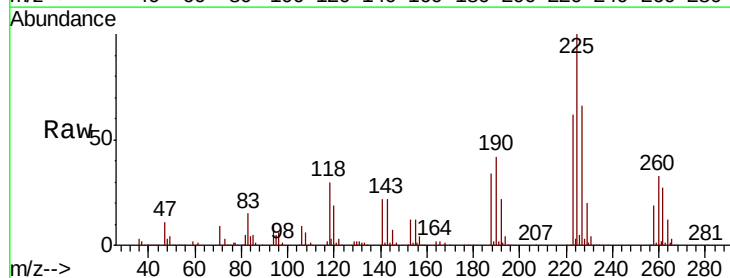
Manual Integrations
 APPROVED

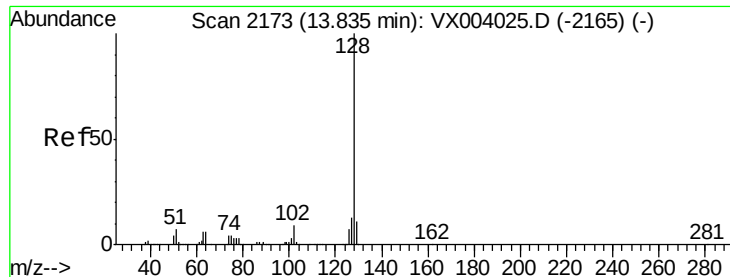
MMDadoda
 8/15/2018 4:49:57 PM



#94
 Hexachlorobutadiene
 Concen: 46.60 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004046.D
 Acq: 14 Aug 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138745		
223	60.4	31.4	94.0	
227	63.6	32.1	96.5	





#95

Naphthalene

Concen: 50.55 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Instrument :

MSVOA_X

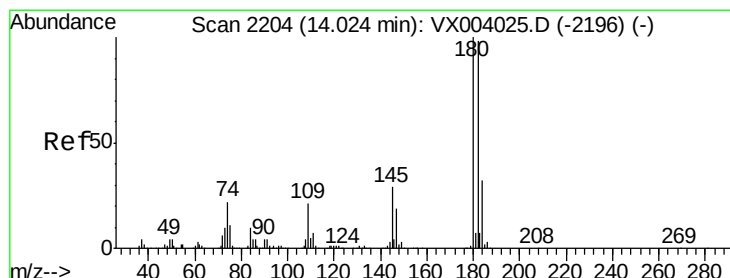
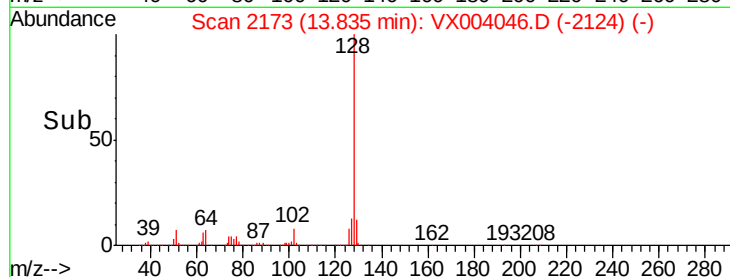
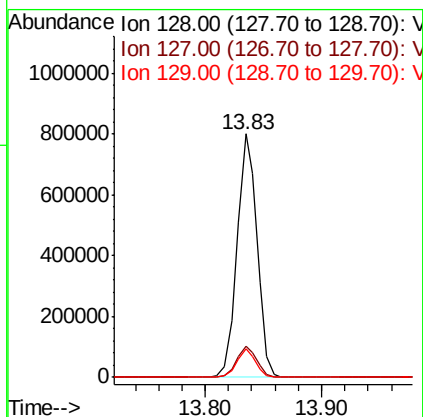
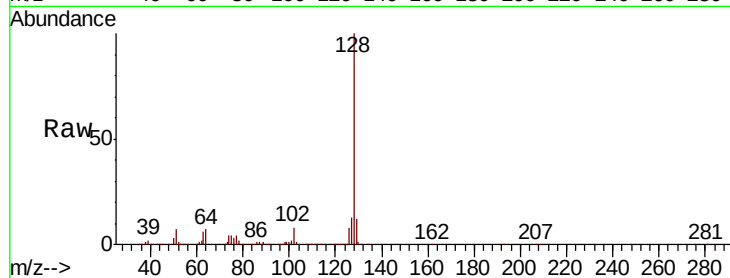
ClientSampled :

VSTDCCC050

Tot Ion:	128	Resp:	957219
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.92 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004046.D

Acq: 14 Aug 2018 23:29

Tgt Ion:	180	Resp:	316810
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.1	144.4
145	30.4	14.9	44.7

