

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050718\
 Data File : VX001480.D
 Acq On : 07 May 2018 22:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/9/2018 5:47:35 PM

Quant Time: May 08 07:18:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322528	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227998	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	179840	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	5.51	113	147241	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	8.72	98	533978	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.14	95	202757	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	171017	51.47	ug/l	99
3) Chloromethane	1.32	50	163550	50.54	ug/l	100
4) Vinyl Chloride	1.40	62	170510	50.49	ug/l	99
5) Bromomethane	1.64	94	86938	56.70	ug/l	99
6) Chloroethane	1.71	64	114544	51.31	ug/l	98
7) Trichlorofluoromethane	1.92	101	262172	51.58	ug/l	99
8) Diethyl Ether	2.19	74	105844	53.13	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	148672	49.89	ug/l	99
10) Methyl Iodide	2.51	142	227867	53.00	ug/l	100
11) Tert butyl alcohol	3.09	59	201197	268.98	ug/l	99
12) 1,1-Dichloroethene	2.37	96	141441	51.79	ug/l	98
13) Acrolein	2.30	56	41311	281.64	ug/l	95
14) Allyl chloride	2.73	41	266547	52.34	ug/l	99
15) Acrylonitrile	3.15	53	453342	268.21	ug/l	99
16) Acetone	2.45	43	402061	249.58	ug/l	100
17) Carbon Disulfide	2.57	76	351025	50.50	ug/l	100
18) Methyl Acetate	2.78	43	235802	55.71	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	509363	53.56	ug/l	99
20) Methylene Chloride	2.85	84	163124	51.14	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	153491	50.36	ug/l	96
22) Diisopropyl ether	3.88	45	505384	53.12	ug/l	99
23) Vinyl Acetate	3.83	43	2136223	269.40	ug/l	100
24) 1,1-Dichloroethane	3.70	63	262034	49.30	ug/l	99
25) 2-Butanone	4.72	43	615263	264.21	ug/l	99
26) 2,2-Dichloropropane	4.59	77	181861	44.31	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	168060	51.77	ug/l	97
28) Bromochloromethane	5.03	49	125039	54.26	ug/l	99
29) Tetrahydrofuran	5.17	42	400033	268.49	ug/l	100
30) Chloroform	5.22	83	294427	53.78	ug/l	96
31) Cyclohexane	5.57	56	231667	50.75	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	260020	54.34	ug/l	99
36) 1,1-Dichloropropene	5.80	75	208264	50.76	ug/l	99
37) Ethyl Acetate	4.87	43	239363	53.22	ug/l	99
38) Carbon Tetrachloride	5.79	117	232370	53.11	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	241138	49.71	ug/l	99
40) Benzene	6.15	78	634329	52.93	ug/l	100
41) Methacrylonitrile	5.07	41	135854	52.80	ug/l	99
42) 1,2-Dichloroethane	6.21	62	247069	53.64	ug/l	100
43) Isopropyl Acetate	6.48	43	377309	54.65	ug/l	99
44) Trichloroethene	7.22	130	189414	51.71	ug/l	99
45) 1,2-Dichloropropane	7.52	63	160032	53.57	ug/l	97
46) Dibromomethane	7.67	93	112456	53.17	ug/l	99
47) Bromodichloromethane	7.90	83	216238	55.25	ug/l	100
48) Methyl methacrylate	7.79	41	202585	53.89	ug/l	98
49) 1,4-Dioxane	7.76	88	88966	1095.39	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1287460	280.63	ug/l	100
52) Toluene	8.79	92	418263	53.38	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	246390	55.70	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	228889	50.05	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	170740	54.09	ug/l	99
56) Ethyl methacrylate	9.19	69	253606	55.73	ug/l	98
57) 1,3-Dichloropropane	9.38	76	282165	54.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	618820	277.26	ug/l	99
59) 2-Hexanone	9.51	43	985615	280.56	ug/l	99
60) Dibromochloromethane	9.59	129	184181	56.97	ug/l	99
61) 1,2-Dibromoethane	9.68	107	181207	54.67	ug/l	100
64) Tetrachloroethene	9.34	164	230800	52.99	ug/l	99
65) Chlorobenzene	10.15	112	476352	51.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	180193	54.97	ug/l	100
67) Ethyl Benzene	10.26	91	780010	51.93	ug/l	99
68) m/p-Xylenes	10.37	106	631014	106.32	ug/l	100
69) o-Xylene	10.71	106	306104	53.07	ug/l	98
70) Styrene	10.72	104	512685	54.71	ug/l	100
71) Bromoform	10.86	173	151564	48.21	ug/l	100
73) Isopropylbenzene	11.02	105	826851	52.39	ug/l	100
74) N-amyl acetate	6.48	43	377309	52.63	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	246122	52.80	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	242733m	52.49	ug/l	
77) Bromobenzene	11.26	156	233909	50.97	ug/l	100
78) n-propylbenzene	11.37	91	914709	53.22	ug/l	99
79) 2-Chlorotoluene	11.43	91	546181	51.64	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	693540	52.78	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	65094	45.32	ug/l	97
82) 4-Chlorotoluene	11.52	91	640951	52.53	ug/l	100
83) tert-Butylbenzene	11.77	119	672378	51.42	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	717692	53.14	ug/l	100
85) sec-Butylbenzene	11.95	105	834457	53.17	ug/l	99
86) p-Isopropyltoluene	12.07	119	772059	53.62	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	421429	51.38	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	428949	51.27	ug/l	100
89) n-Butylbenzene	12.40	91	624230	52.33	ug/l	100
90) Hexachloroethane	12.60	117	118356	54.59	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	432004	51.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	58022	56.65	ug/l	100

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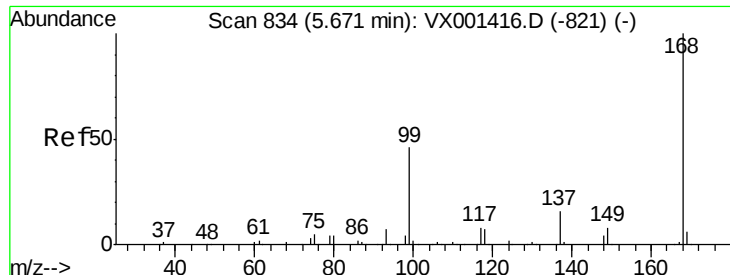
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	320360	52.46	ug/l	99
94) Hexachlorobutadiene	13.79	225	170175	50.93	ug/l	99
95) Naphthalene	13.84	128	935807	55.41	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	332255	53.02	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 246831

Ion Ratio Lower Upper

168 100

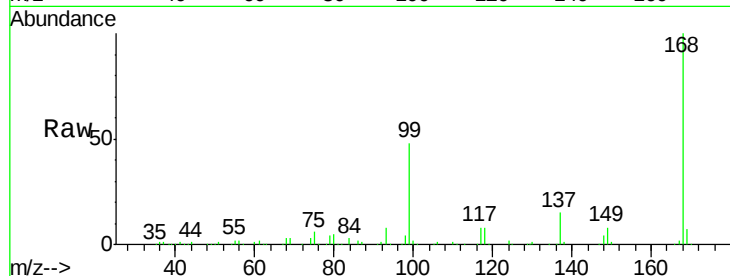
99 47.4 36.6 54.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

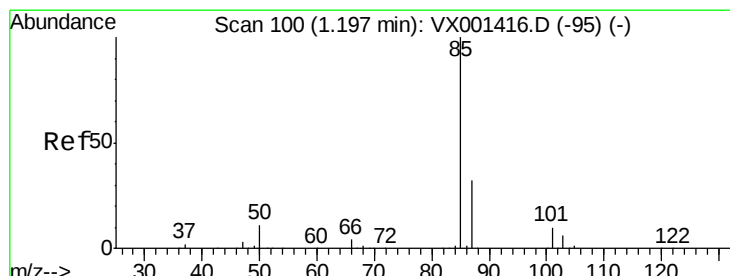
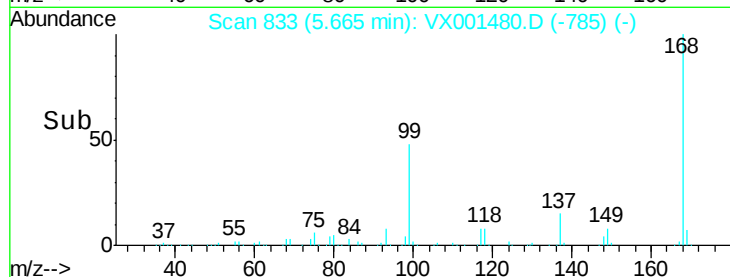
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 51.47 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001480.D

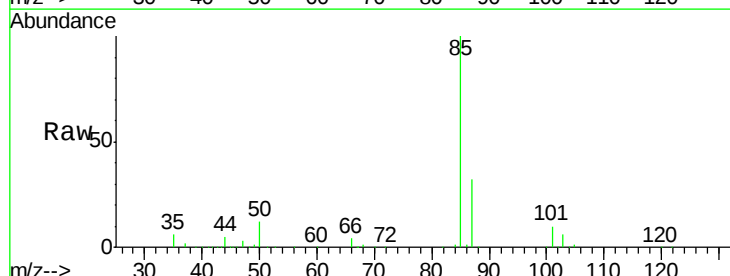
Acq: 07 May 2018 22:00

Tgt Ion: 85 Resp: 171017

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

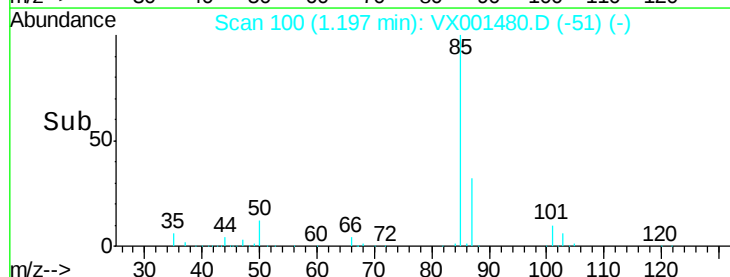
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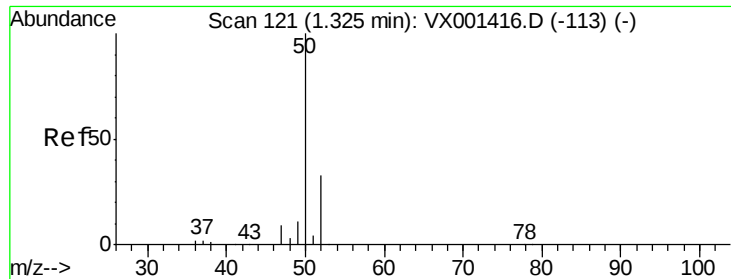
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50000

0

Time--> 1.10 1.15 1.20 1.25 1.30





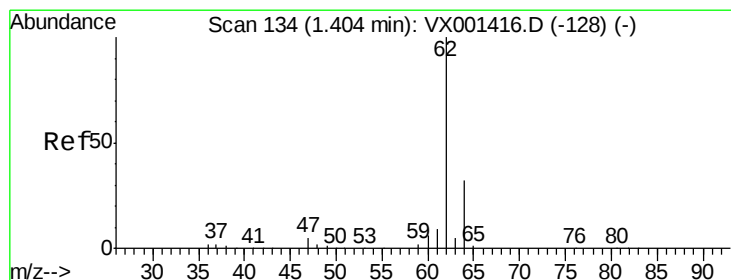
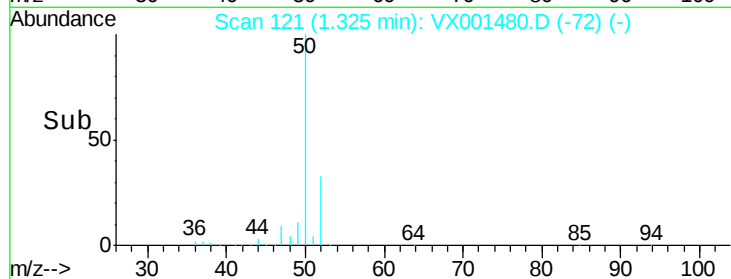
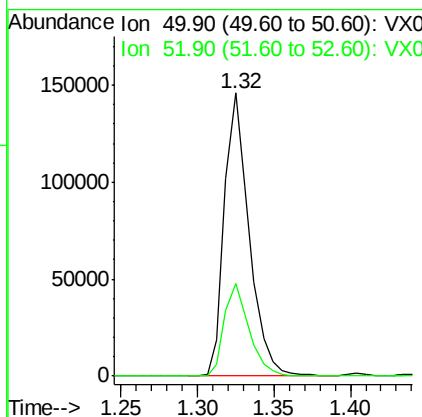
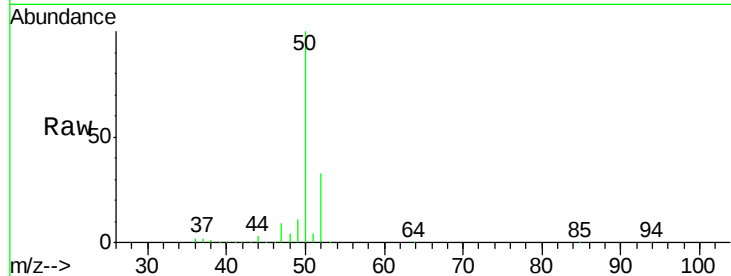
#3
Chloromethane
Concen: 50.54 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.2	39.4

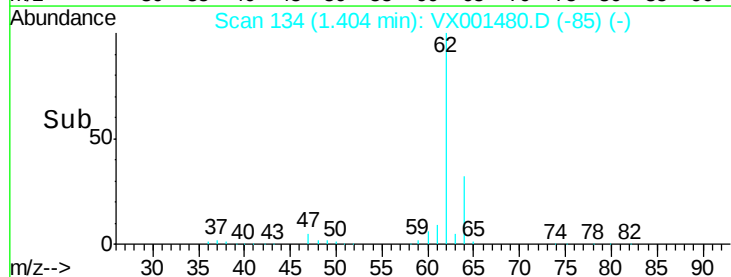
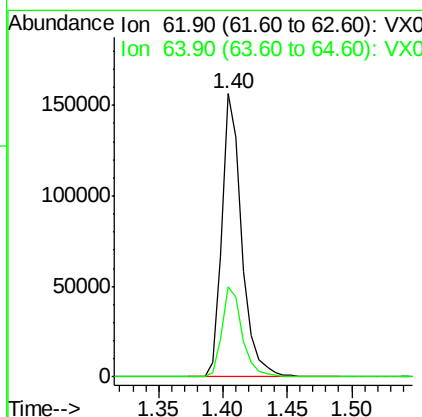
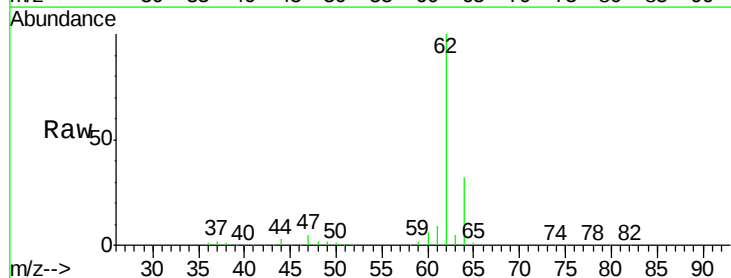
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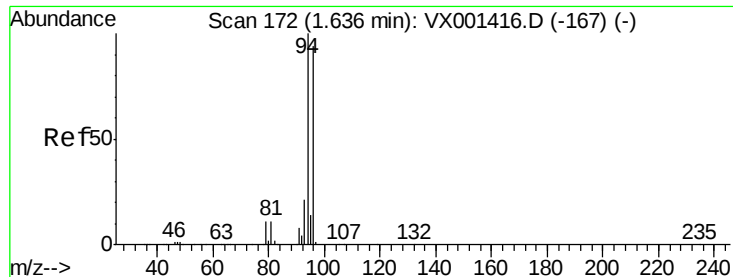
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#4
Vinyl Chloride
Concen: 50.49 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.8	38.6





#5

Bromomethane

Concen: 56.70 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86938

Ion Ratio Lower Upper

94 100

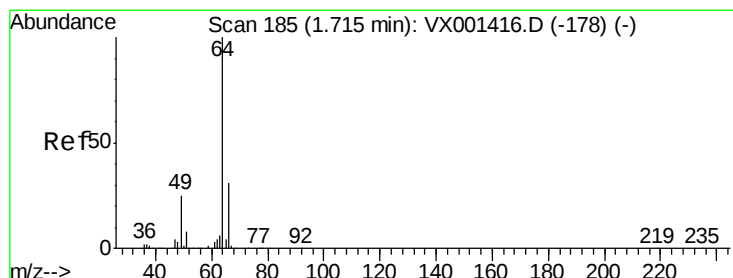
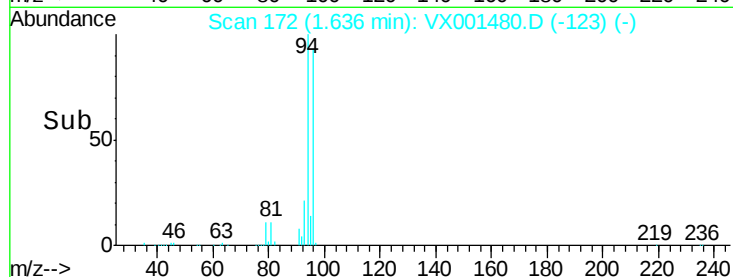
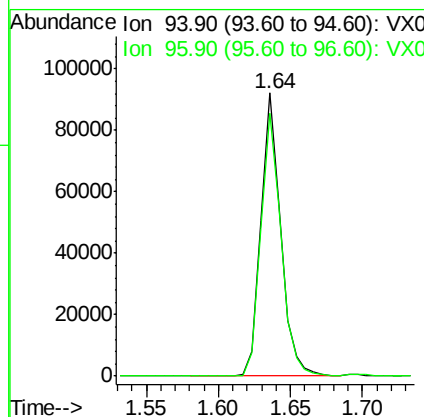
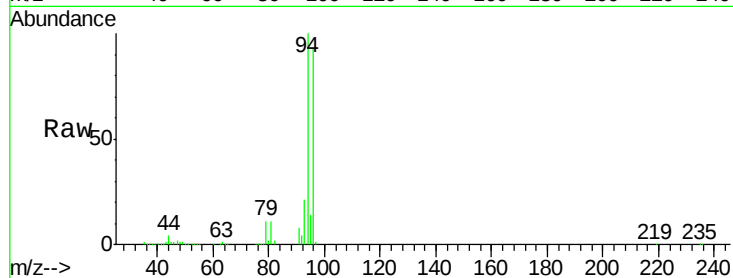
96 92.9 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 51.31 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001480.D

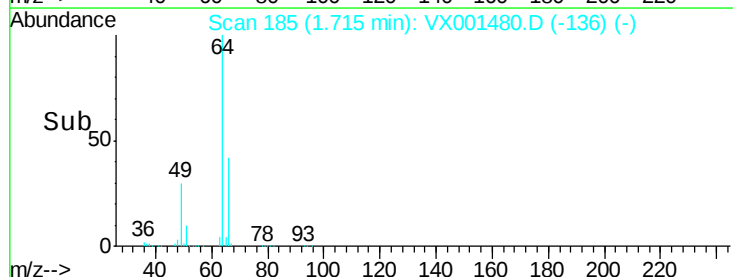
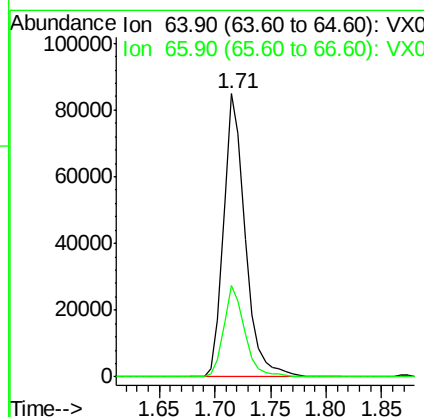
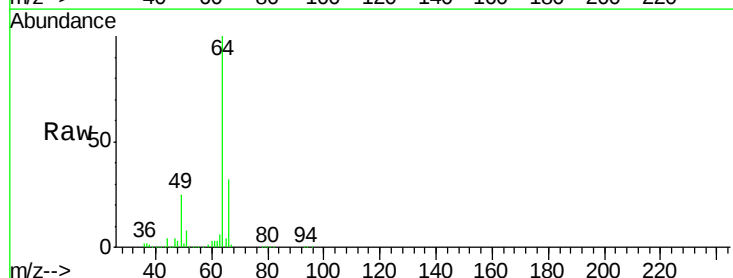
Acq: 07 May 2018 22:00

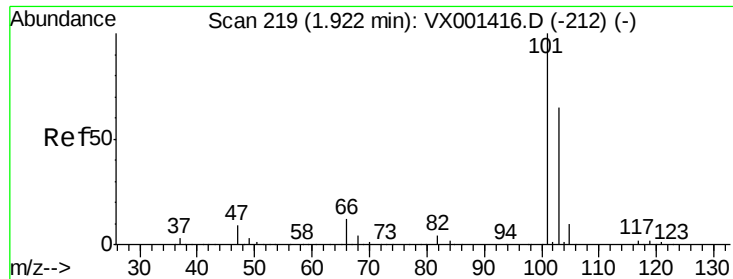
Tgt Ion: 64 Resp: 114544

Ion Ratio Lower Upper

64 100

66 32.4 25.1 37.7





#7

Trichlorofluoromethane

Concen: 51.58 ug/l

RT: 1.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 262172

Ion Ratio Lower Upper

101 100

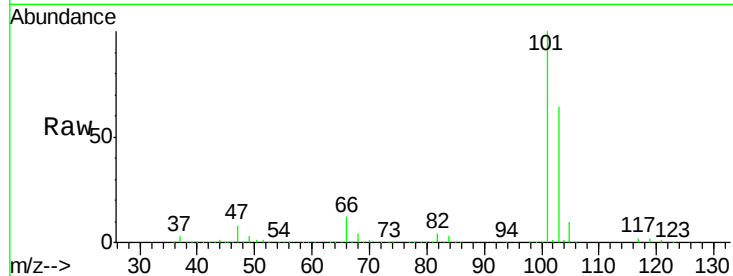
103 64.5 52.0 78.0

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.92

200000

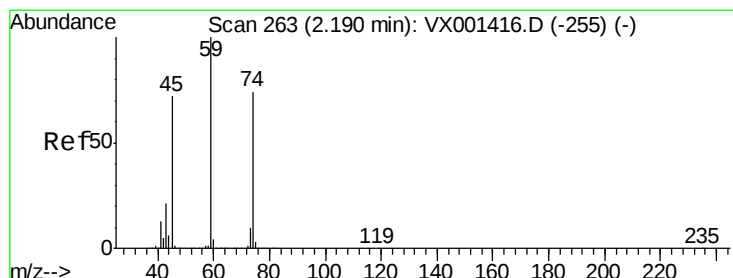
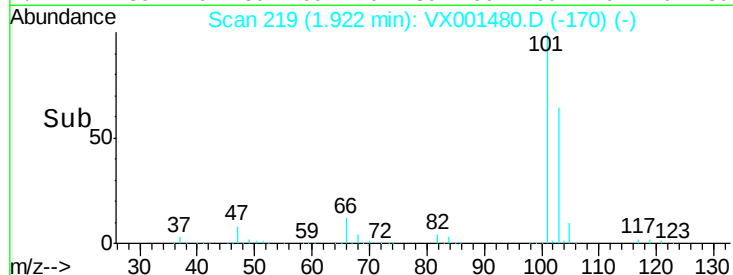
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 53.13 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001480.D

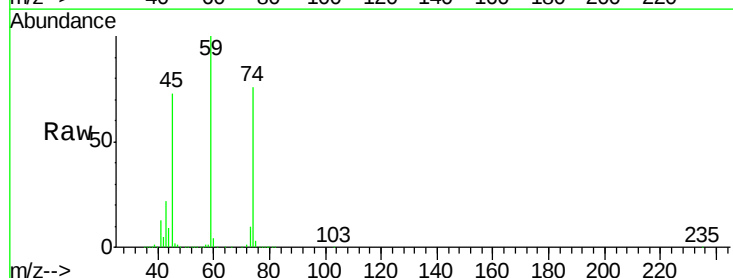
Acq: 07 May 2018 22:00

Tgt Ion: 74 Resp: 105844

Ion Ratio Lower Upper

74 100

45 95.2 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

80000

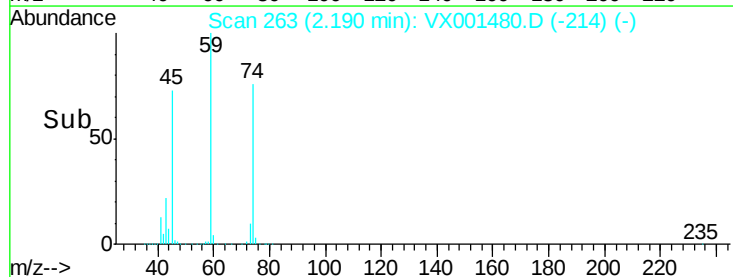
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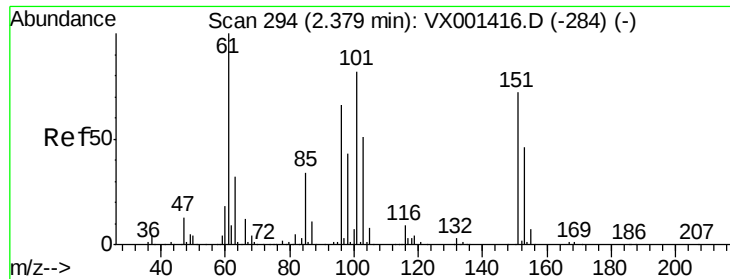
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.89 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

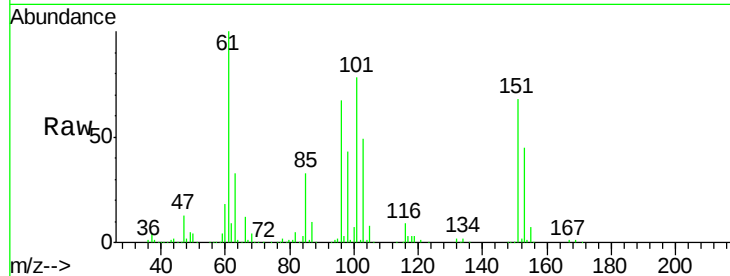
ClientSampleId :

VSTDCCC050

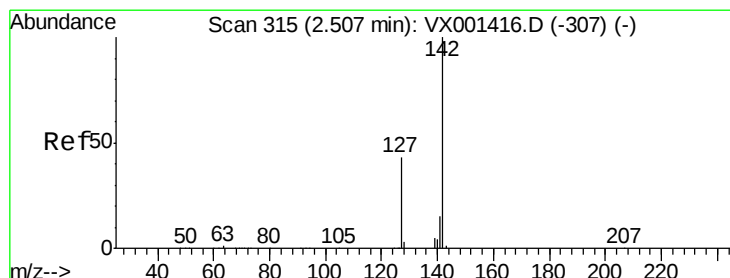
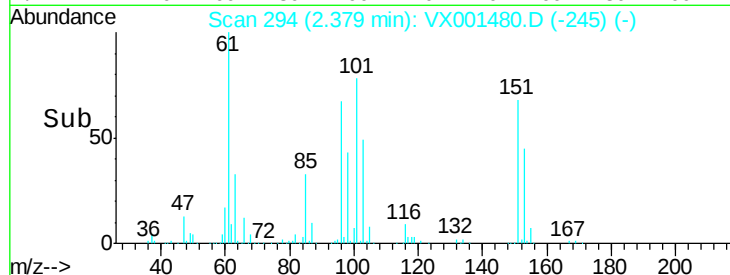
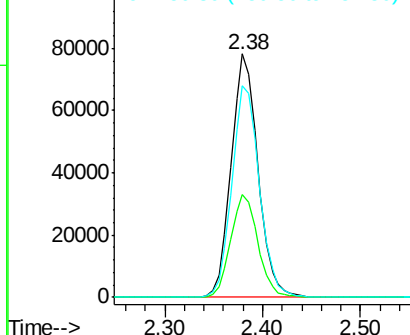
Tot Ion:	101	Resp:	148672
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.7	50.5
151	89.4	72.3	108.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.00 ug/l

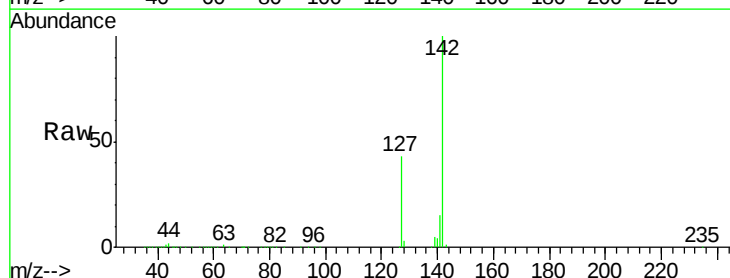
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

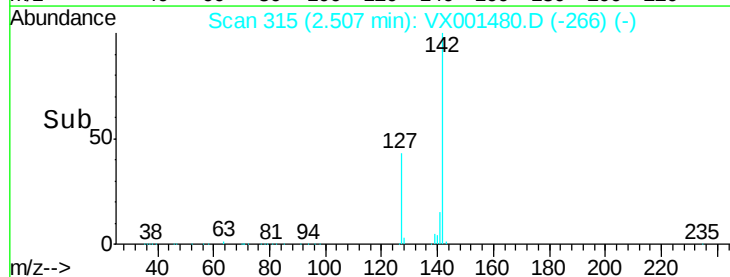
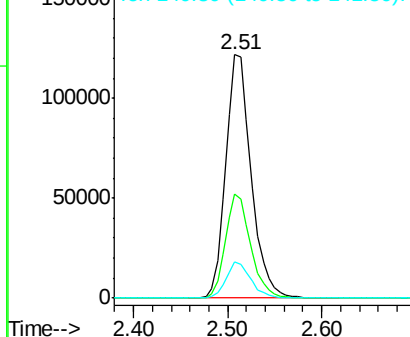
Lab File: VX001480.D

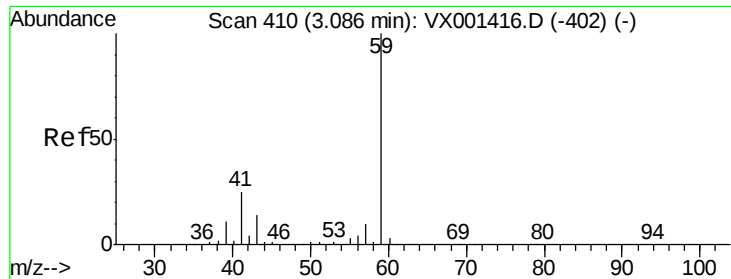
Acq: 07 May 2018 22:00

Tgt Ion:	142	Resp:	227867
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.6	50.4
141	14.2	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

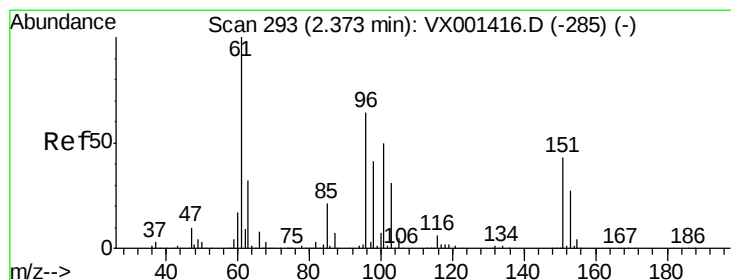
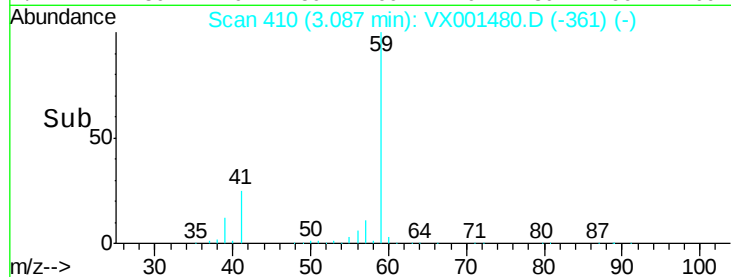
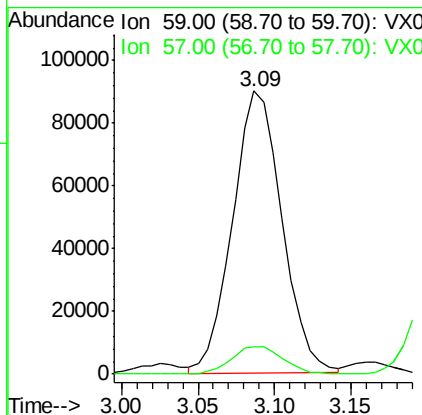
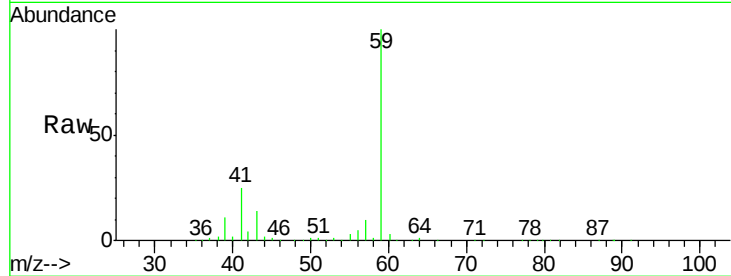
Tert butyl alcohol
Concen: 268.98 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.5	Resp	201197	Lower	Upper
Ion	59	57	Ratio	100	10.5	Resp	201197	Lower	Upper
								8.2	12.4

Manual Integrations
APPROVED

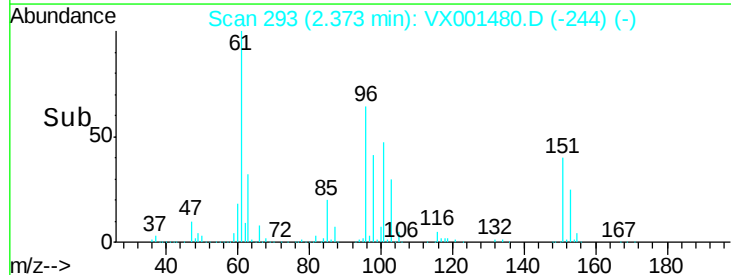
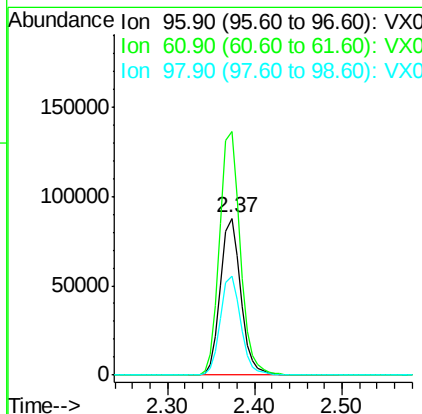
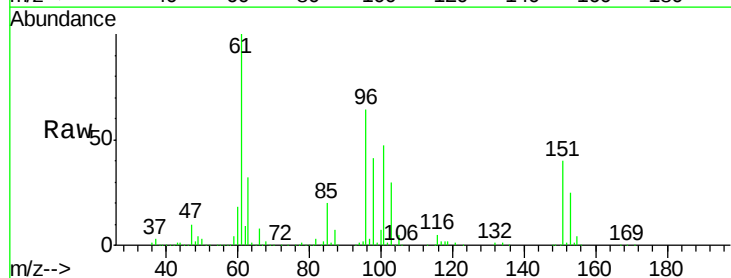
MMDadoda
5/9/2018 5:47:35 PM



#12

1,1-Dichloroethene
Concen: 51.79 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	96	61	98	Ratio	100	155.1	63.3	Resp	141441	Lower	Upper
Ion	96	61	98	Ratio	100	155.1	63.3	Resp	141441	Lower	Upper
										125.7	188.5
										52.0	78.0





#13

Acrolein

Concen: 281.64 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 41311

Ion Ratio Lower Upper

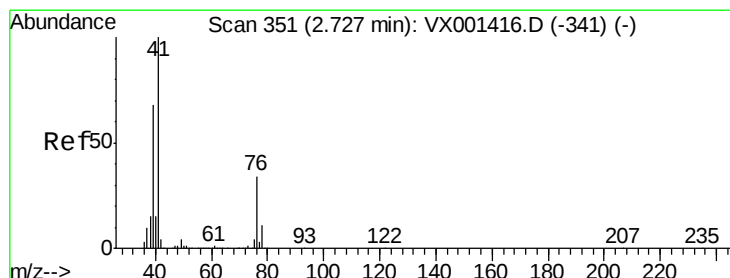
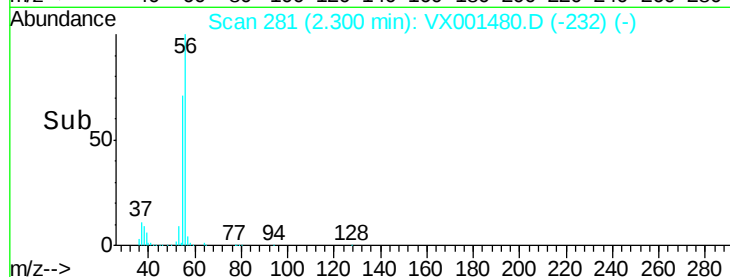
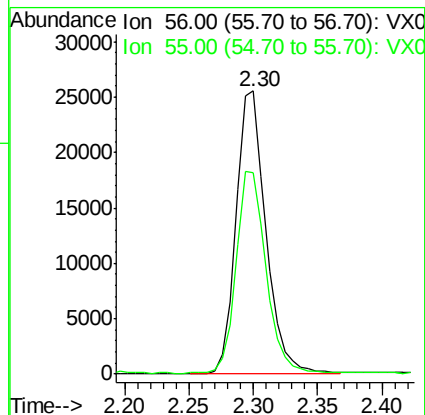
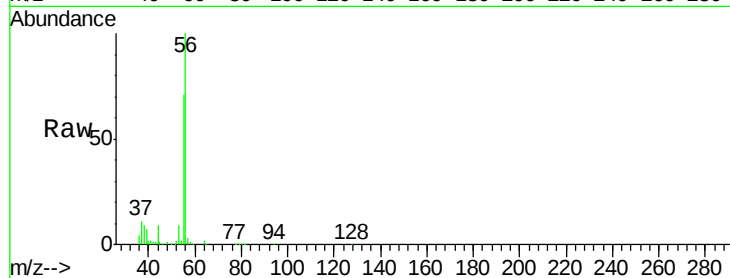
56 100

55 71.9 54.5 81.7

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 52.34 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

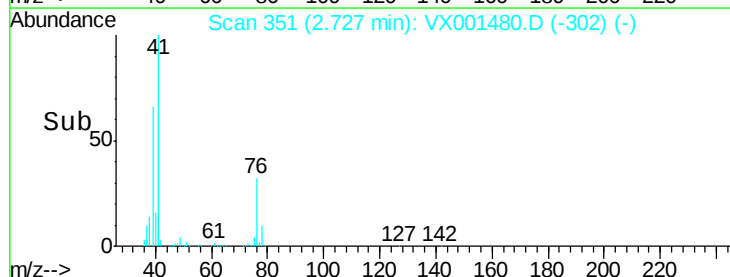
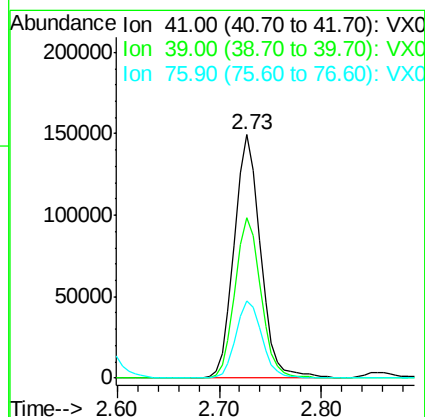
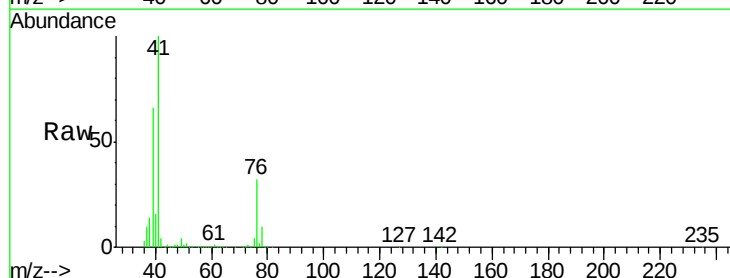
Tgt Ion: 41 Resp: 266547

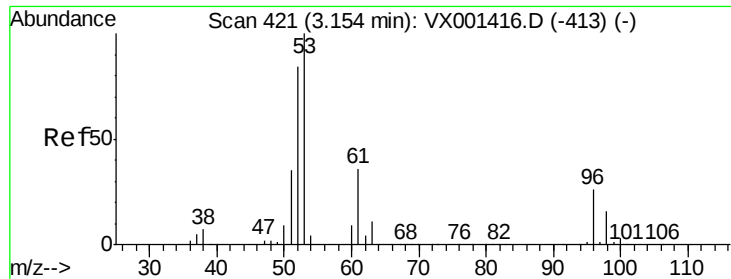
Ion Ratio Lower Upper

41 100

39 65.0 52.4 78.6

76 31.4 25.8 38.6





#15

Acrylonitrile

Concen: 268.21 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

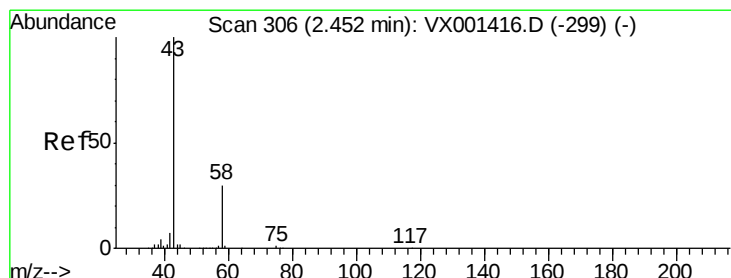
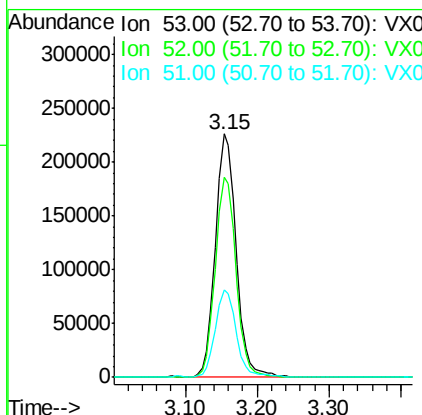
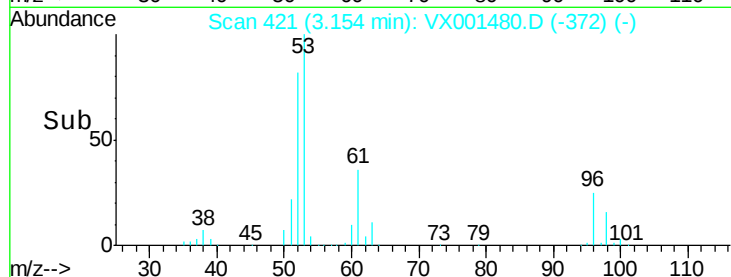
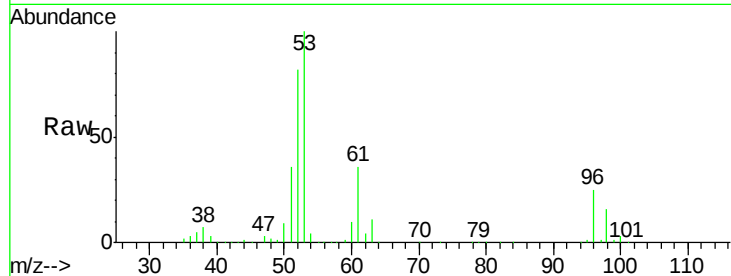
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	453342
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	36.5	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 249.58 ug/l

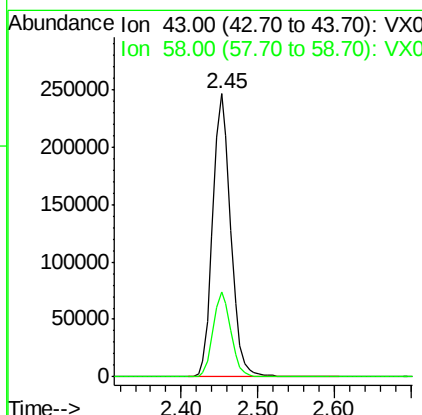
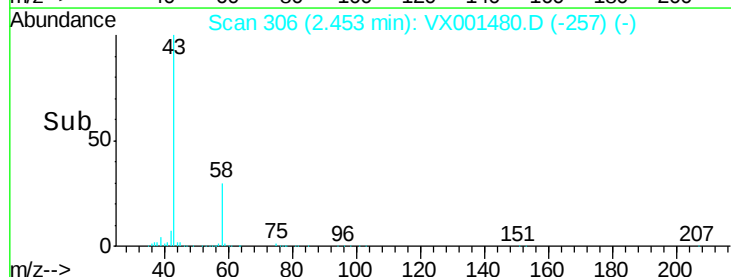
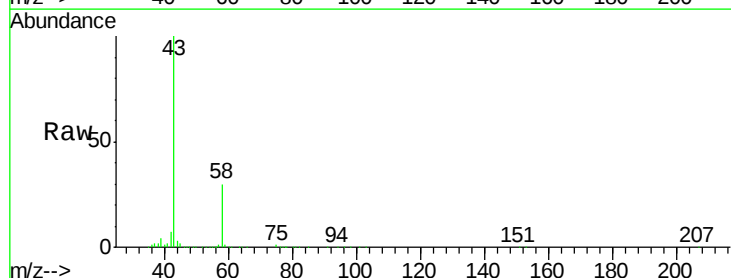
RT: 2.45 min Scan# 306

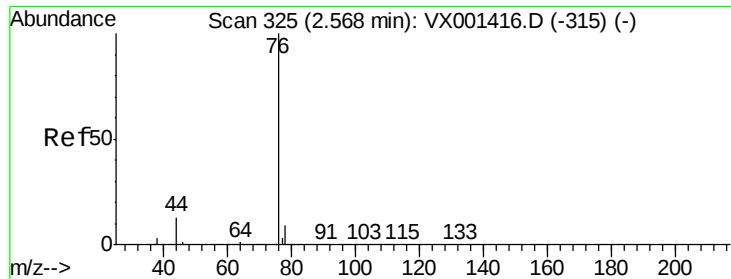
Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Tgt Ion:	43	Resp:	402061
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.8	35.8





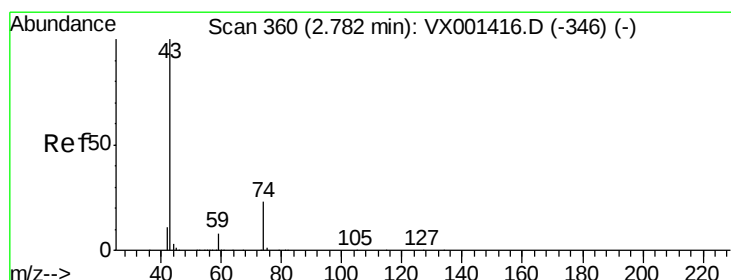
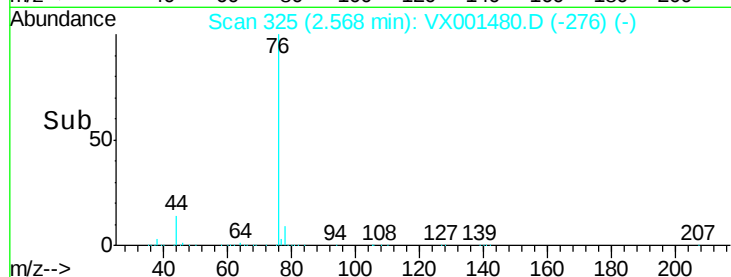
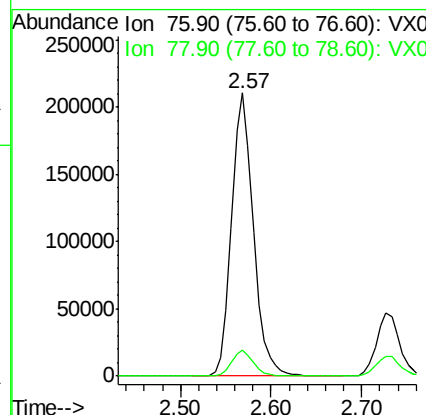
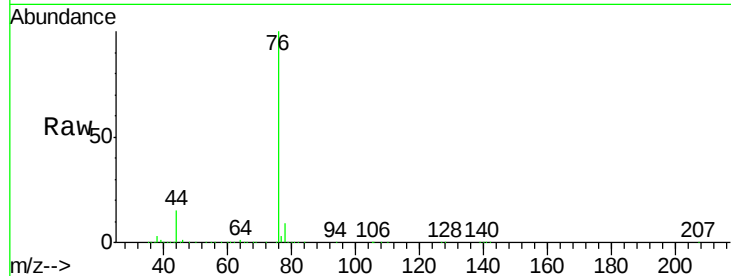
#17
Carbon Disulfide
Concen: 50.50 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

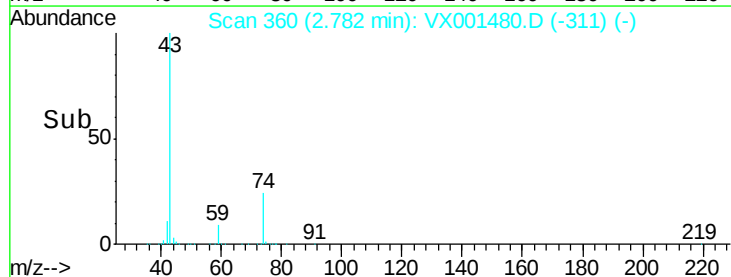
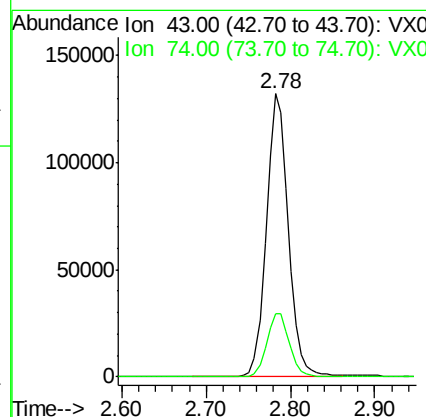
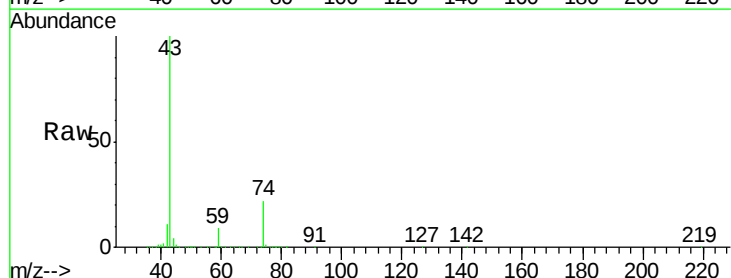
Manual Integrations
APPROVED

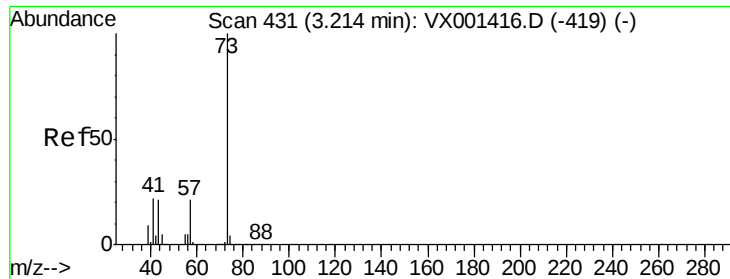
MMDadoda
5/9/2018 5:47:35 PM



#18
Methyl Acetate
Concen: 55.71 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.6	27.8





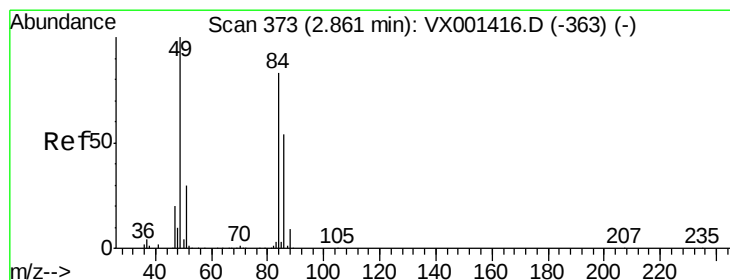
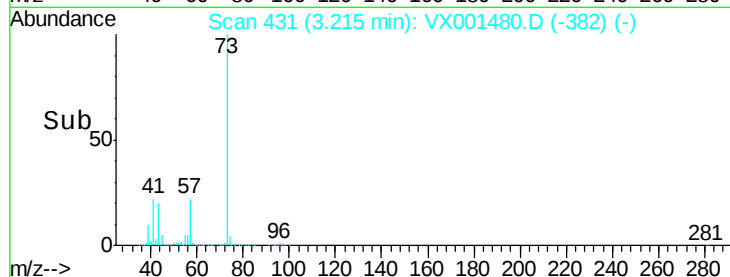
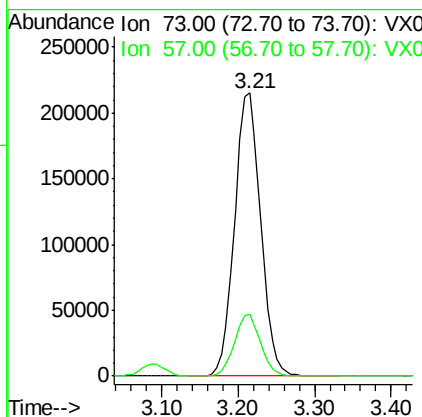
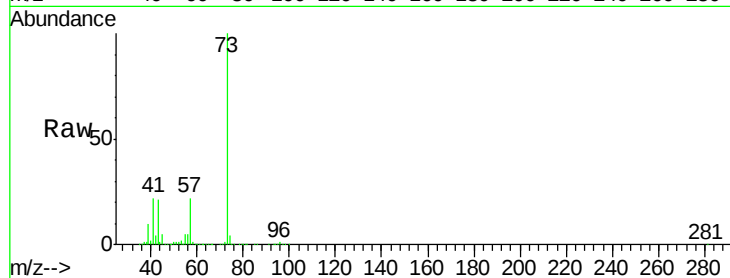
#19
Methvl tert-butvl Ether
Concen: 53.56 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.0	25.6

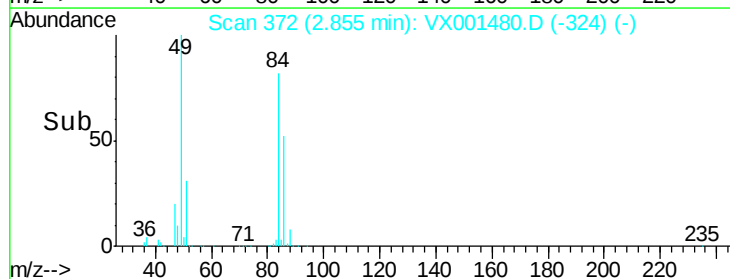
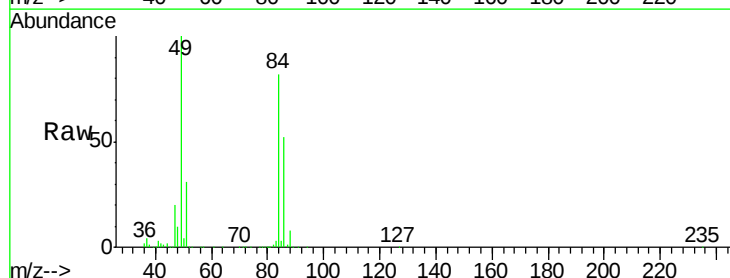
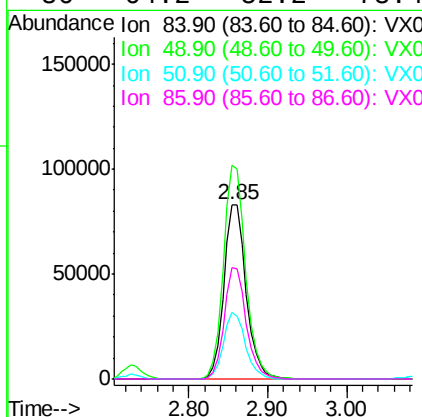
Manual Integrations
APPROVED

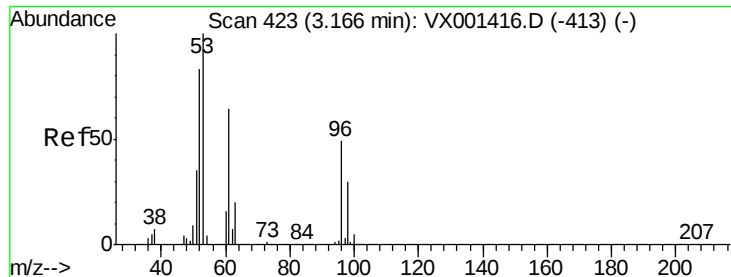
MMDadoda
5/9/2018 5:47:35 PM



#20
Methylene Chloride
Concen: 51.14 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.4	96.6	144.8
51	38.2	29.0	43.4
86	64.2	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 50.36 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

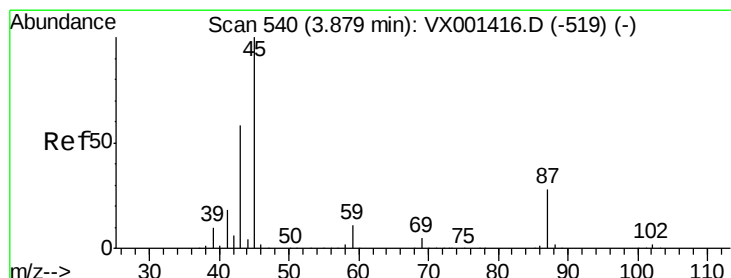
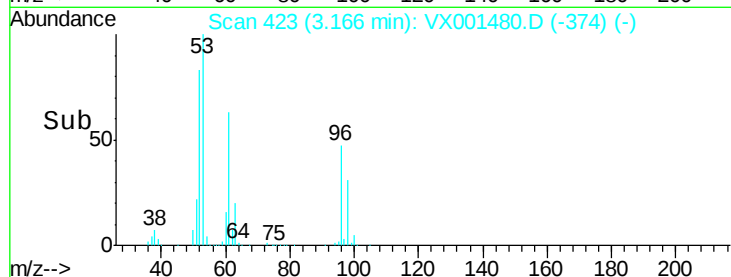
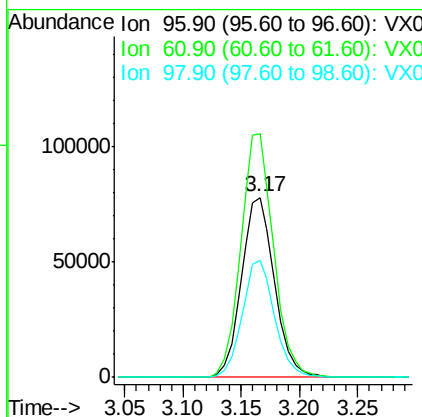
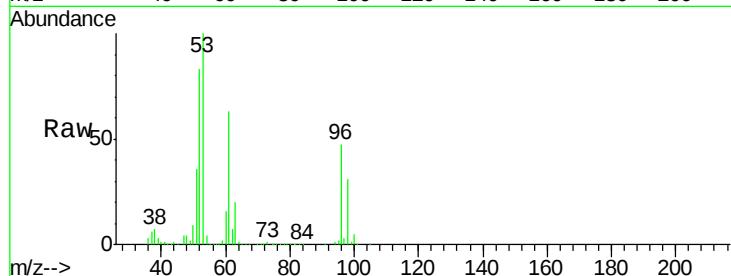
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	153491
Ion	Ratio	Lower	Upper
96	100		
61	135.2	105.0	157.4
98	65.3	49.9	74.9

Manual Integrations
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5/9/2018 5:47:35 PM



#22

Diisopropyl ether

Concen: 53.12 ug/l

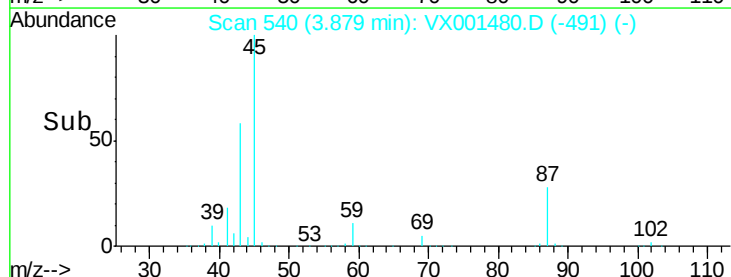
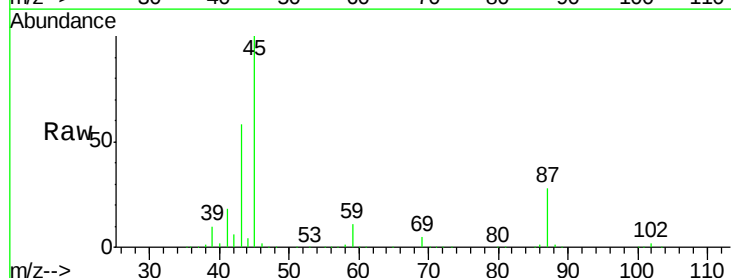
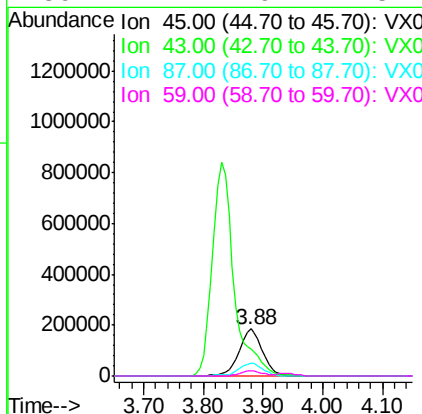
RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Tgt Ion:	45	Resp:	505384
Ion	Ratio	Lower	Upper
45	100		
43	57.9	46.5	69.7
87	27.6	22.6	34.0
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 269.40 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2136223

Ion Ratio Lower Upper

43 100

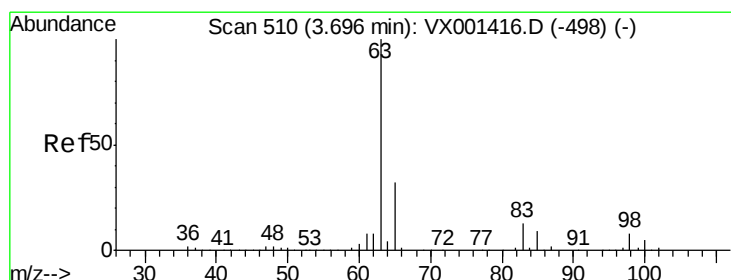
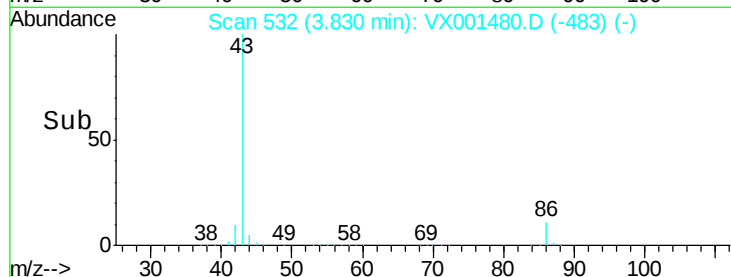
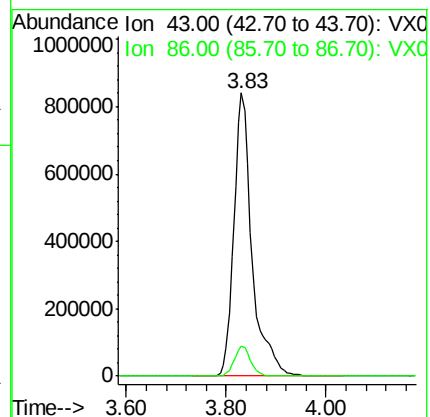
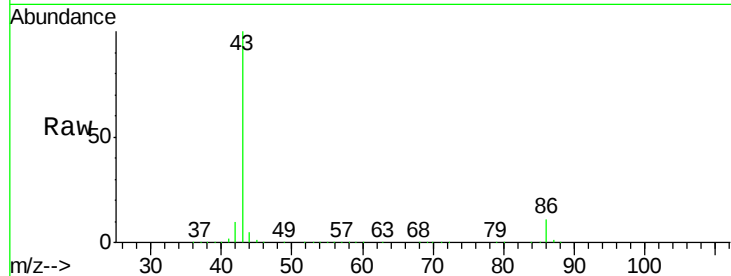
86 10.6 8.6 13.0

Manual Integrations

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5/9/2018 5:47:35 PM



#24

1,1-Dichloroethane

Concen: 49.30 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

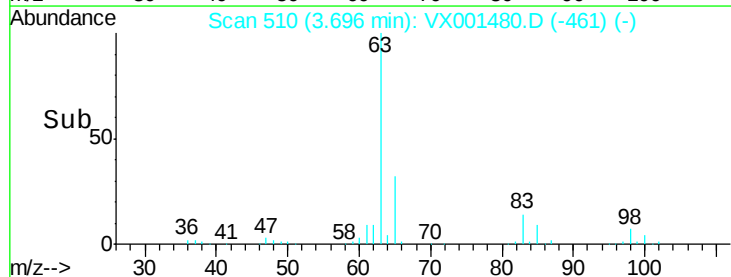
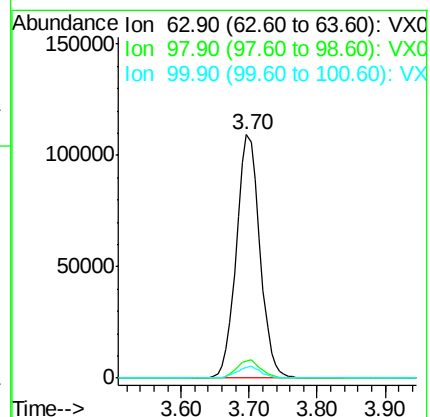
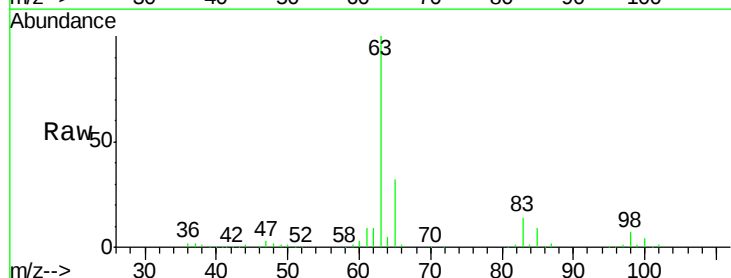
Tgt Ion: 63 Resp: 262034

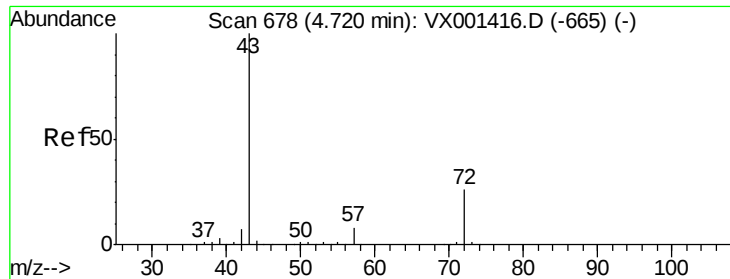
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 264.21 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 615263

Ion Ratio Lower Upper

43 100

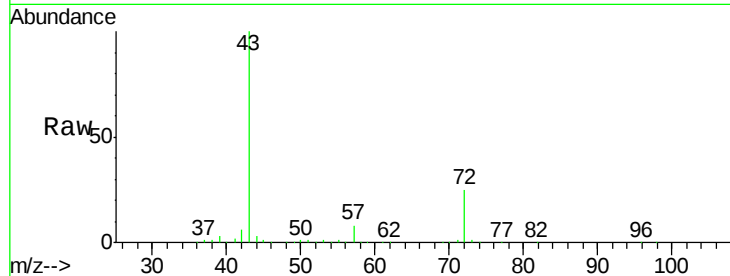
72 25.1 20.7 31.1

Manual Integrations

APPROVED

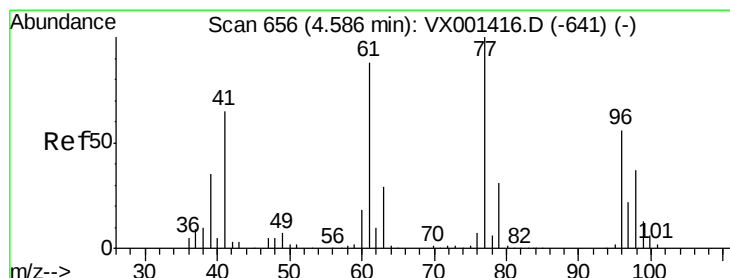
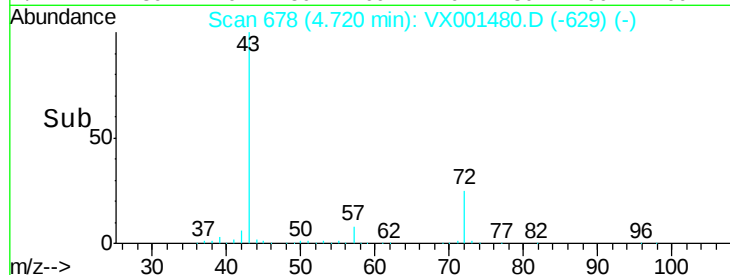
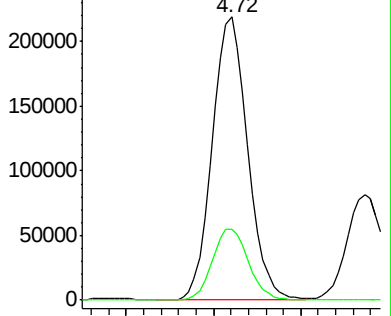
MMDadoda

5/9/2018 5:47:35 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: 44.31 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001480.D

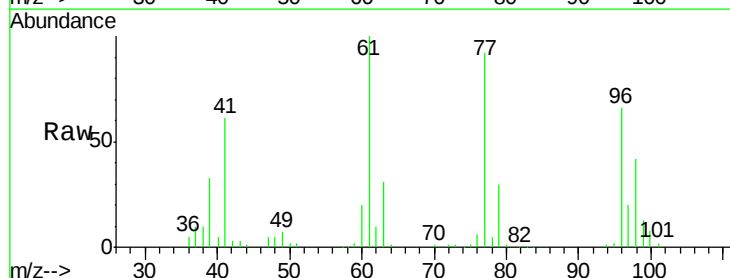
Acq: 07 May 2018 22:00

Tgt Ion: 77 Resp: 181861

Ion Ratio Lower Upper

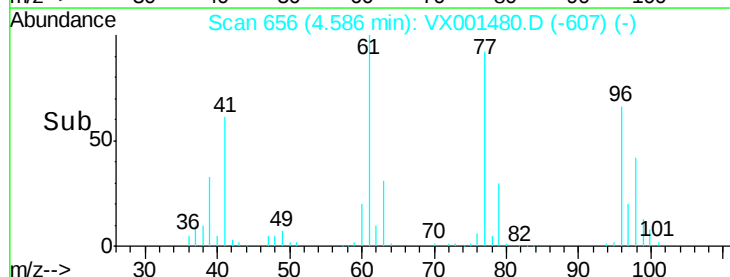
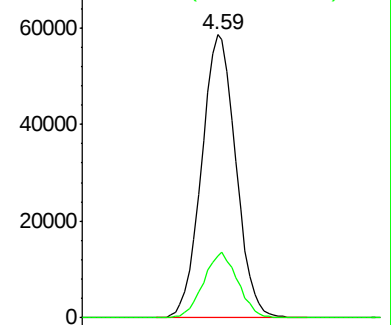
77 100

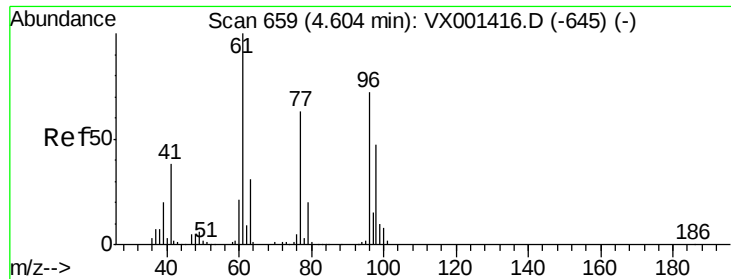
97 23.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 51.77 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

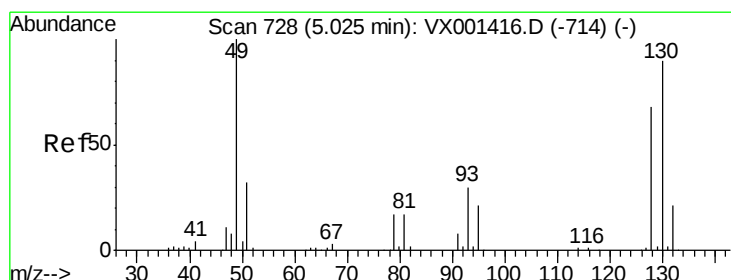
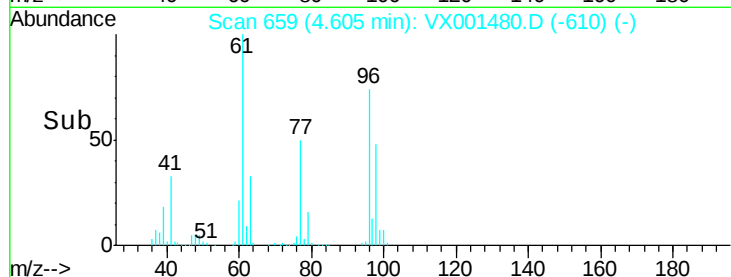
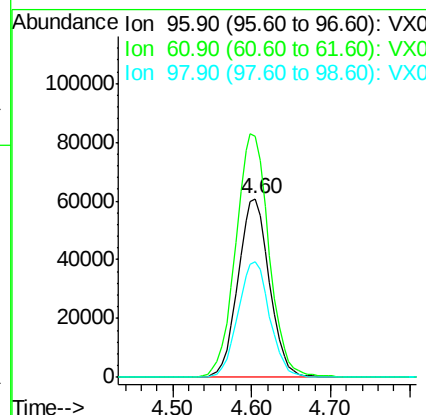
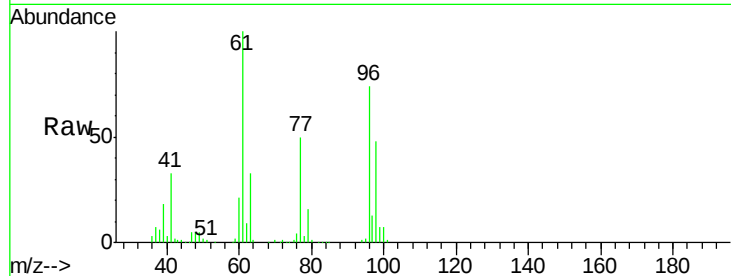
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	168060
Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	301.6
98	65.4	0.0	131.6

Manual Integrations
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5/9/2018 5:47:35 PM



#28

Bromochloromethane

Concen: 54.26 ug/l

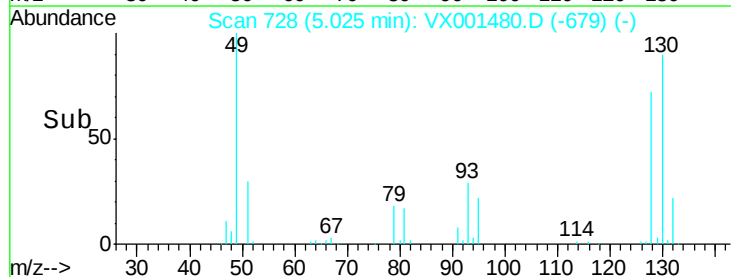
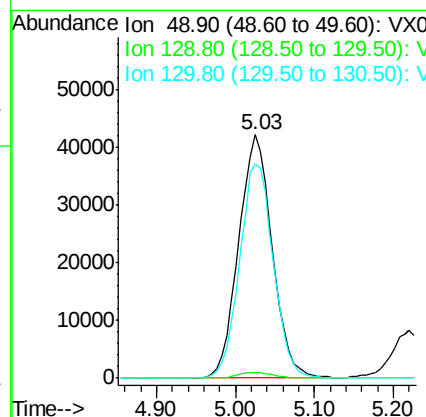
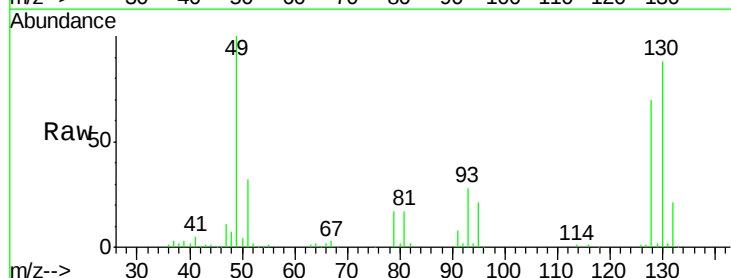
RT: 5.03 min Scan# 728

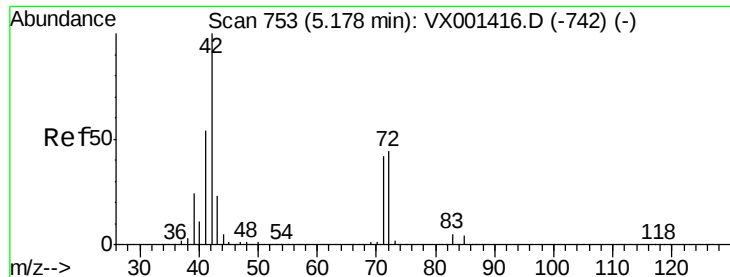
Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Tgt Ion:	49	Resp:	125039
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	88.6	71.9	107.9





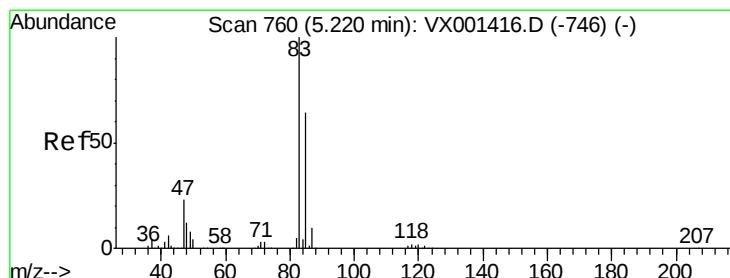
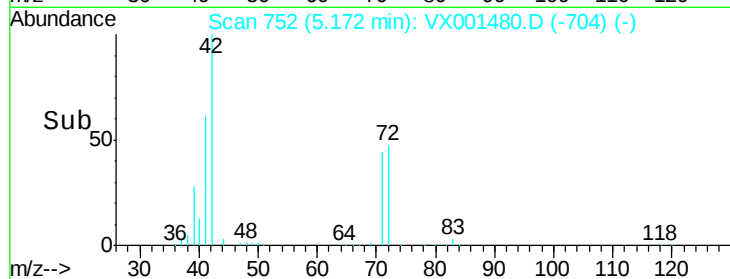
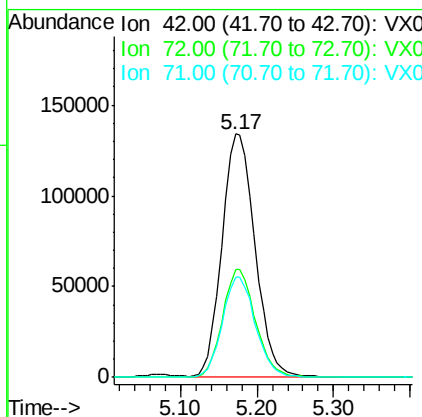
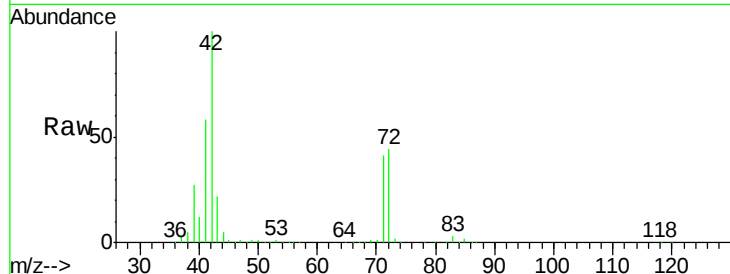
#29
Tetrahydrofuran
Concen: 268.49 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.4	53.2
71	41.1	33.0	49.4

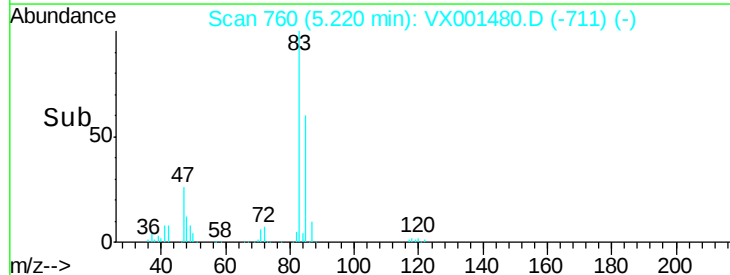
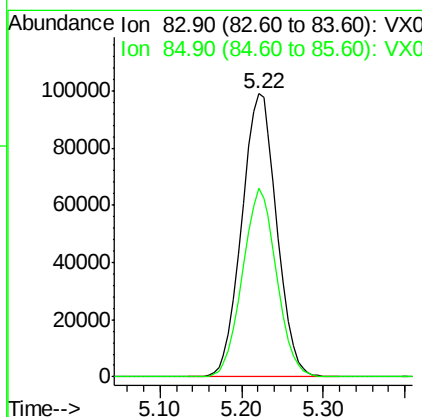
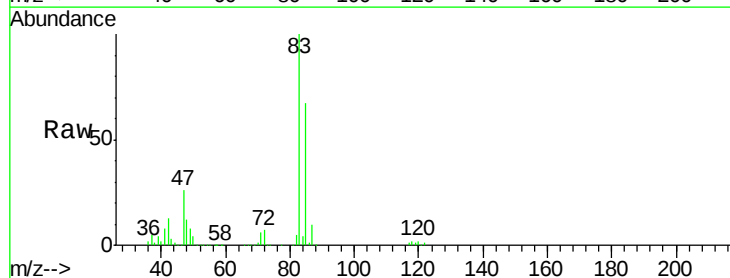
Manual Integrations
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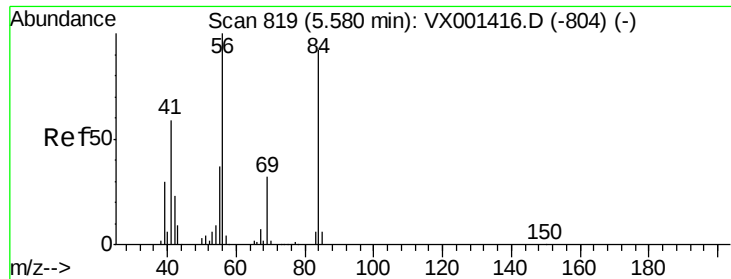
MMDadoda
5/9/2018 5:47:35 PM



#30
Chloroform
Concen: 53.78 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.0	76.4





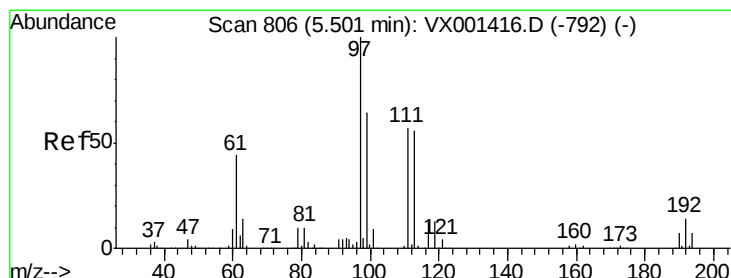
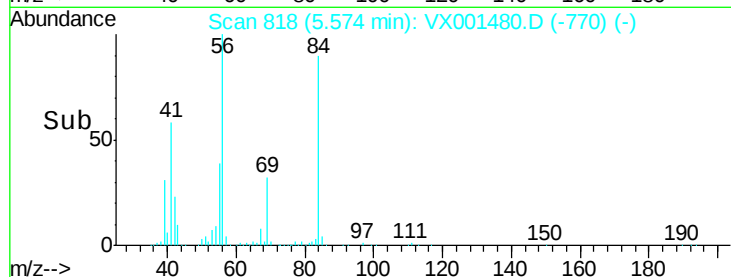
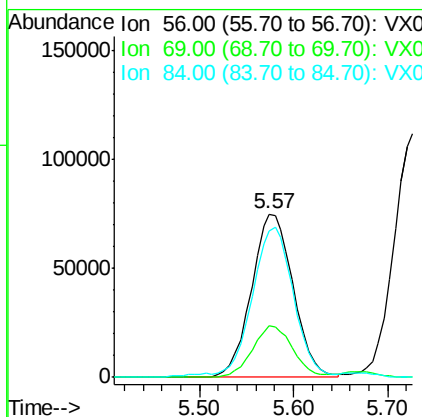
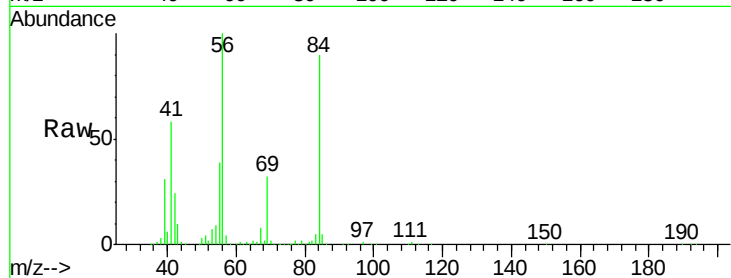
#31
Cyclohexane
Concen: 50.75 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.4	38.0
84	88.2	73.8	110.8

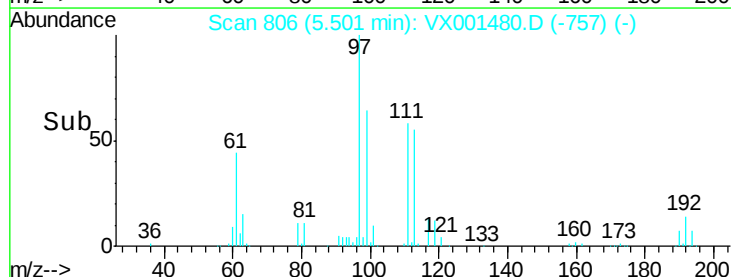
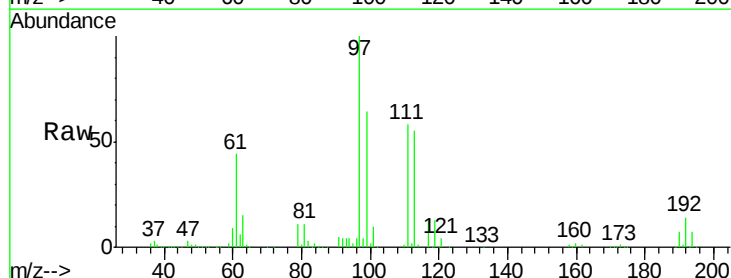
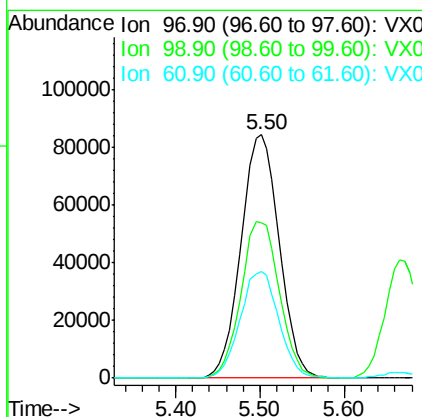
Manual Integrations
APPROVED

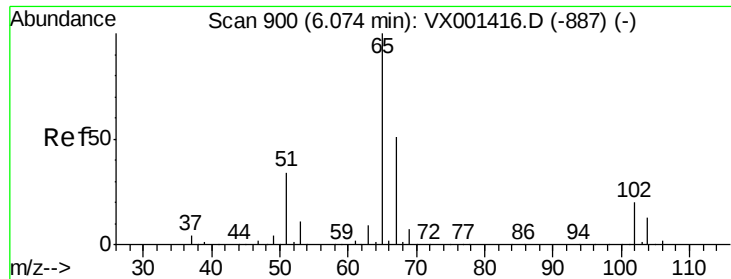
MMDadoda
5/9/2018 5:47:35 PM



#32
1,1,1-Trichloroethane
Concen: 54.34 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.3	76.9
61	44.3	34.8	52.2





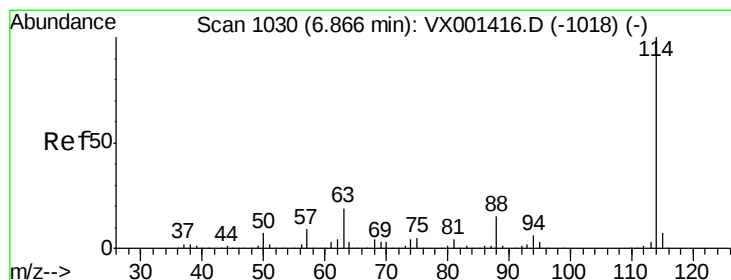
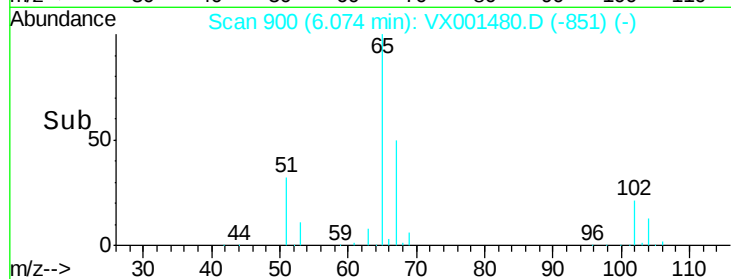
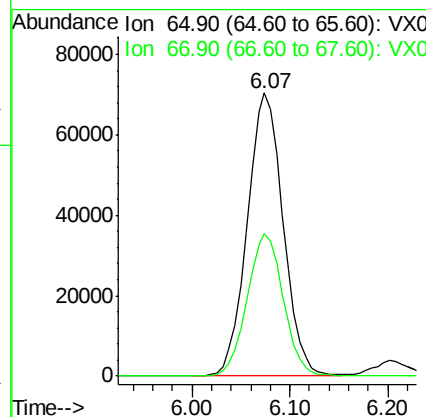
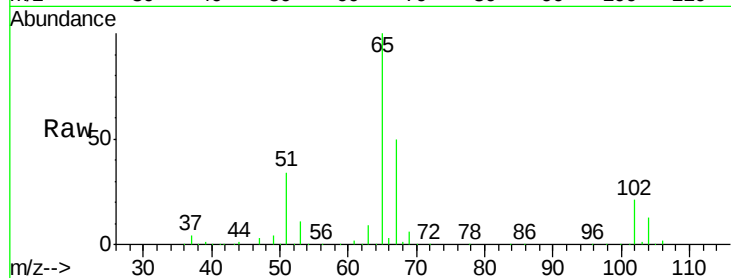
#33
 1,2-Dichloroethane-d4
 Concen: 50.69 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	179840		
67	50.6	0.0	101.8	

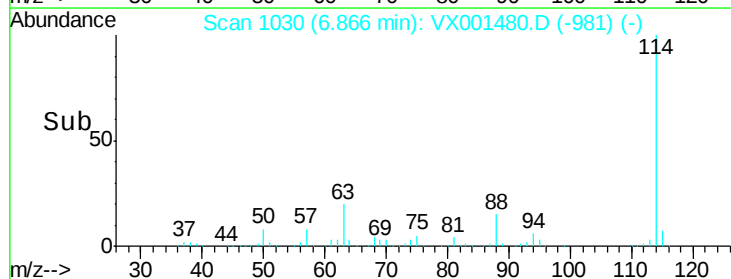
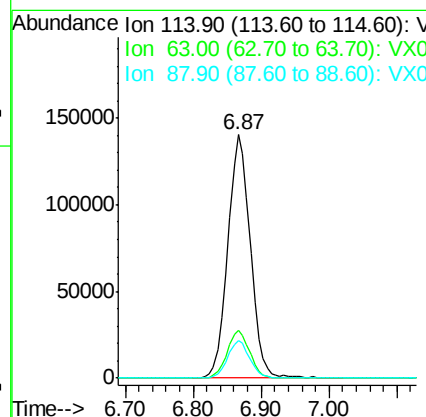
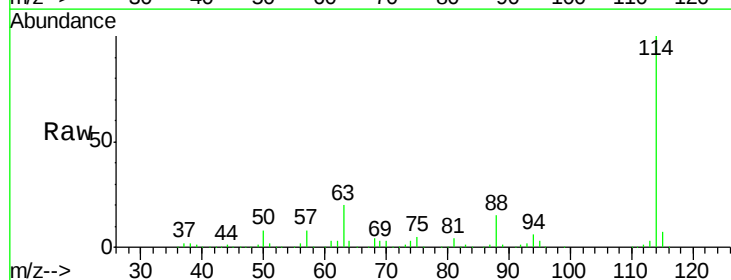
Manual Integrations
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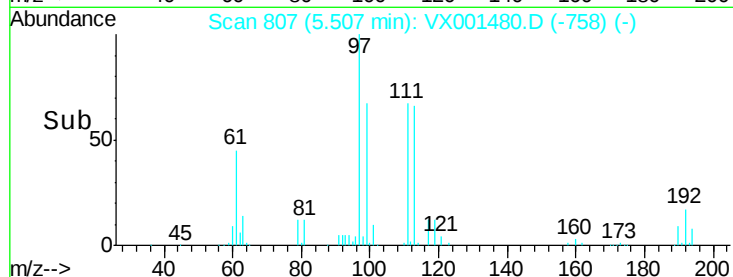
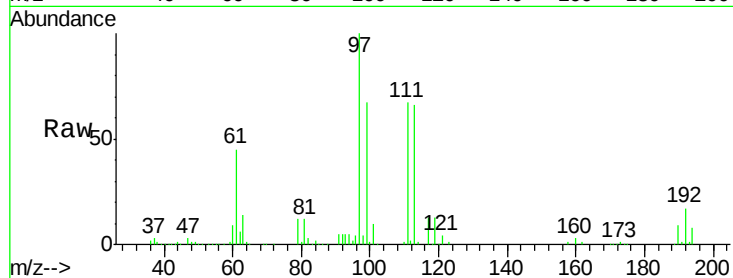
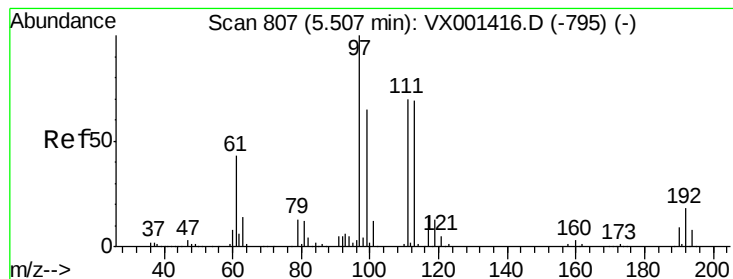
MMDadoda
 5/9/2018 5:47:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	322528		
63	19.9	0.0	38.6	
88	15.4	0.0	30.8	





#35

Dibromofluoromethane

Concen: 51.32 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001480.D

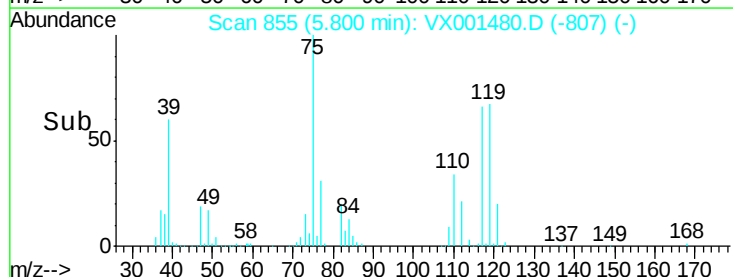
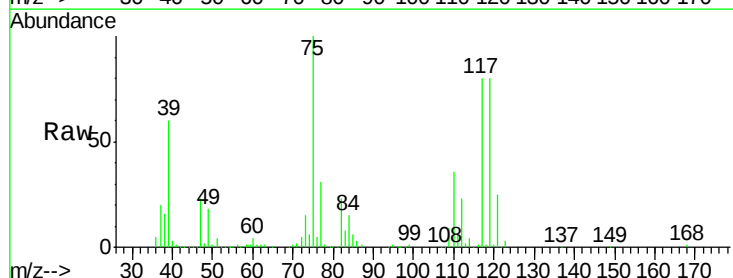
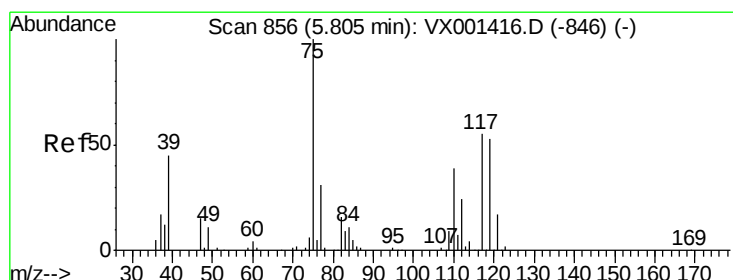
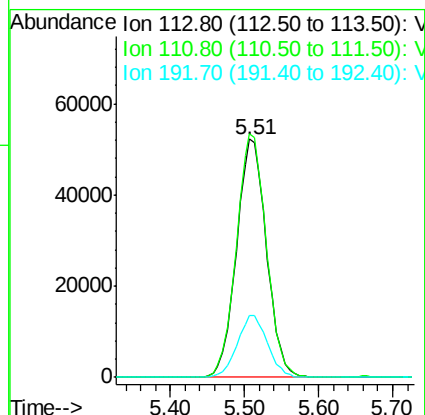
Acq: 07 May 2018 22:00

Tot Ion:	113	Resp:	147241
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.2	123.2
192	26.2	21.4	32.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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5/9/2018 5:47:35 PM



#36

1,1-Dichloropropene

Concen: 50.76 ug/l

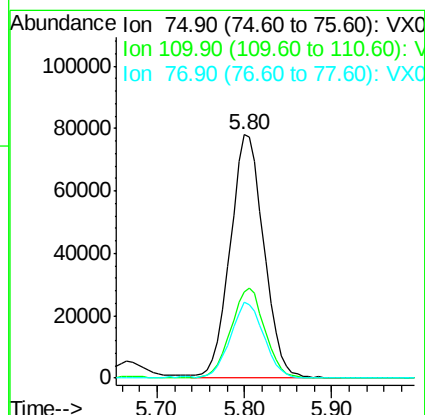
RT: 5.80 min Scan# 855

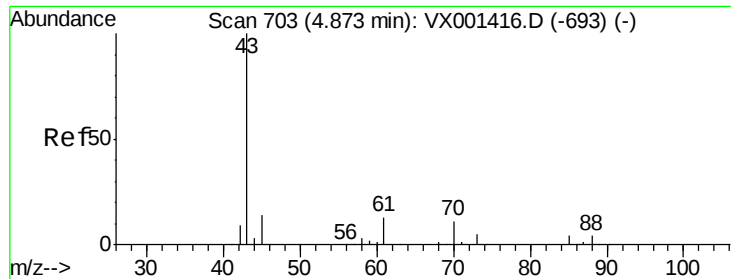
Delta R.T. -0.01 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Tgt Ion:	75	Resp:	208264
Ion Ratio	Lower	Upper	
75	100		
110	37.3	18.9	56.7
77	31.1	24.9	37.3





#37

Ethyl Acetate

Concen: 53.22 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

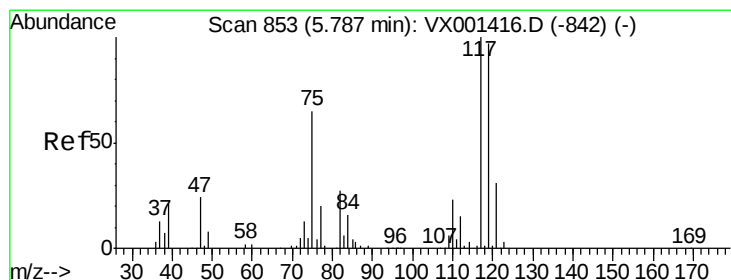
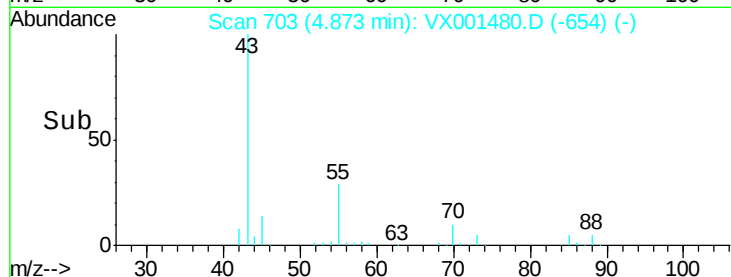
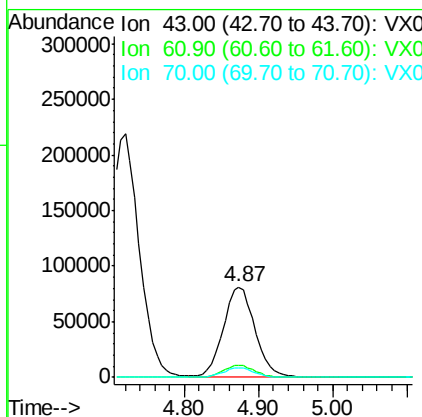
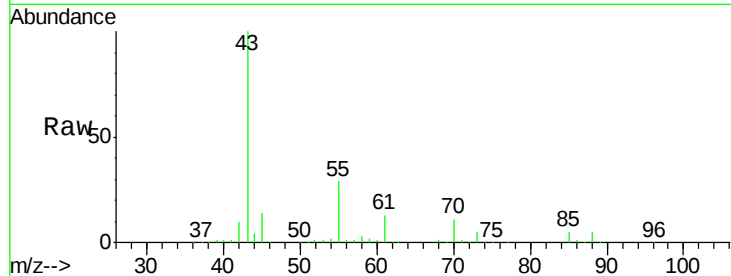
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	239363
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.7	16.1
70	10.4	8.4	12.6

Manual Integrations
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MMDadoda
5/9/2018 5:47:35 PM



#38

Carbon Tetrachloride

Concen: 53.11 ug/l

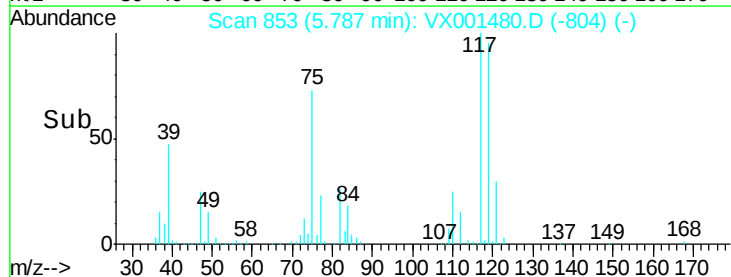
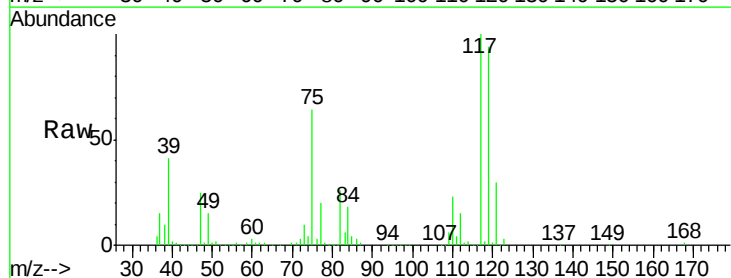
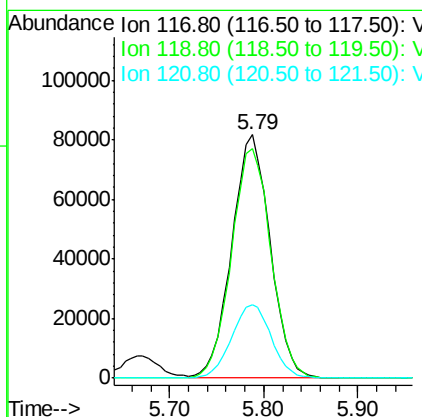
RT: 5.79 min Scan# 853

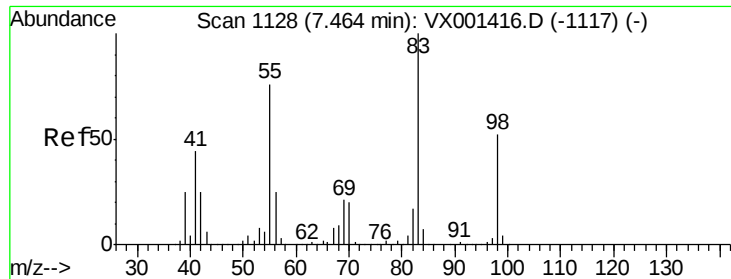
Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Tgt Ion:	117	Resp:	232370
Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.0	115.6
121	30.1	25.1	37.7





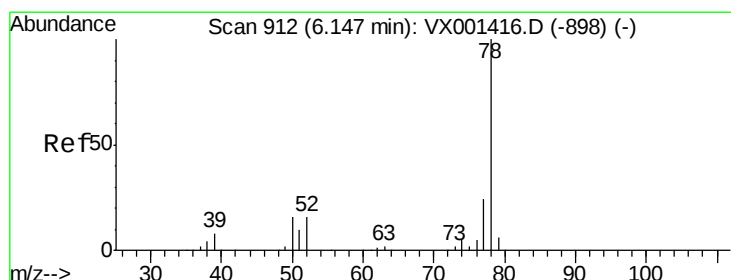
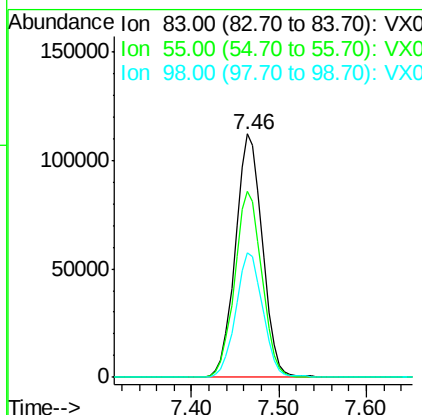
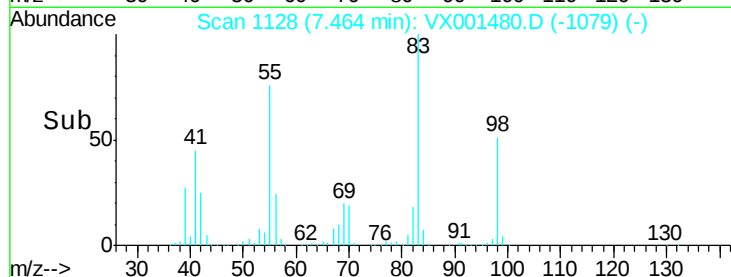
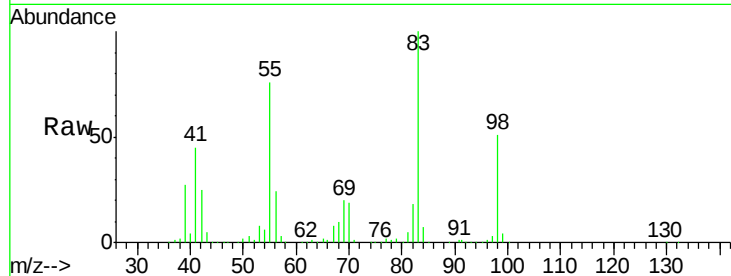
#39
Methvlcvclohexane
Concen: 49.71 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	241138		
55	76.2	60.9	91.3	
98	51.0	41.9	62.9	

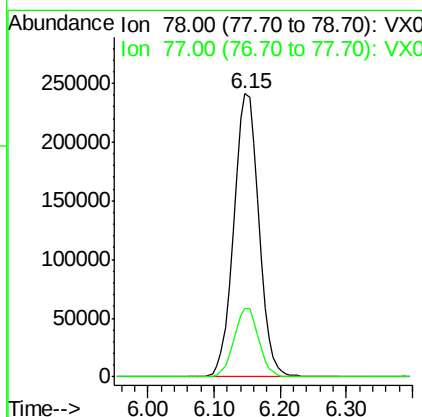
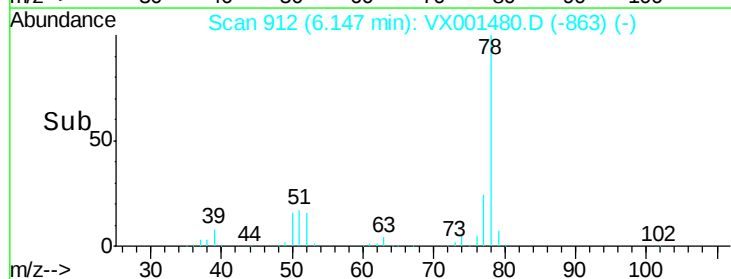
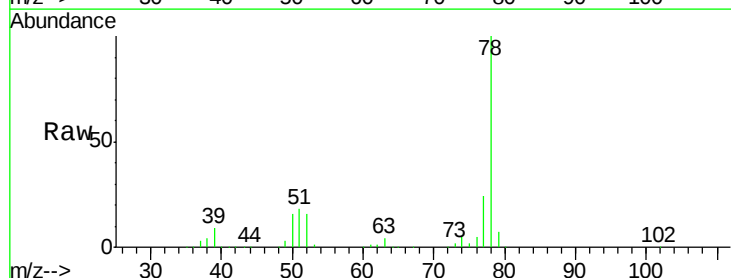
Manual Integrations
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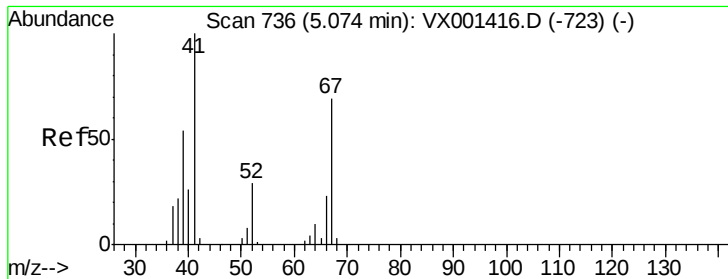
MMDadoda
5/9/2018 5:47:35 PM



#40
Benzene
Concen: 52.93 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	634329		
77	24.2	19.4	29.2	





#41

Methacrylonitrile

Concen: 52.80 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

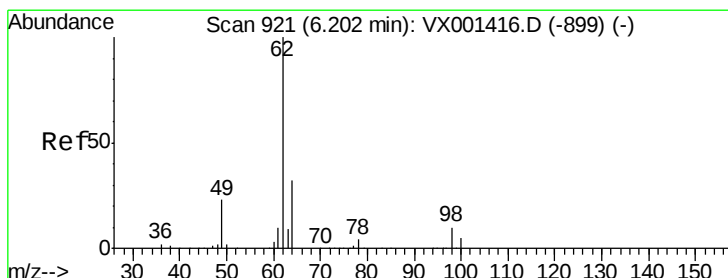
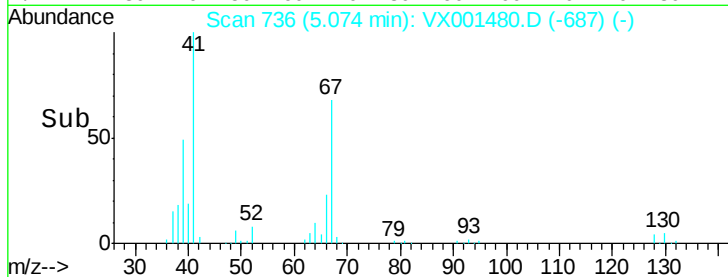
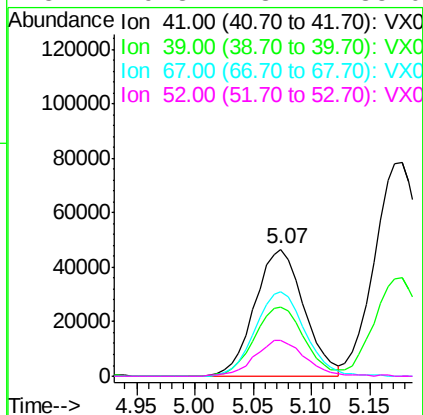
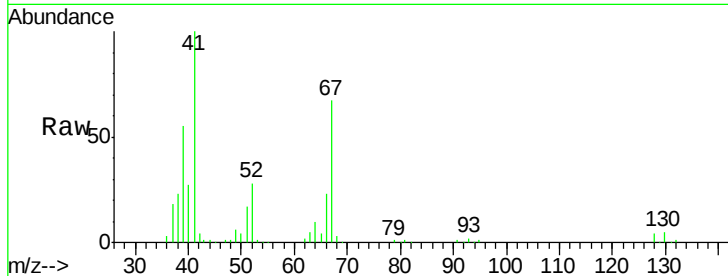
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.3	45.0	67.6	
67	68.3	55.0	82.6	
52	29.3	23.4	35.0	

Manual Integrations
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MMDadoda
5/9/2018 5:47:35 PM



#42

1,2-Dichloroethane

Concen: 53.64 ug/l

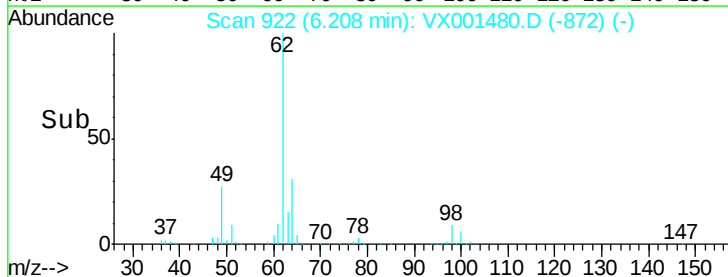
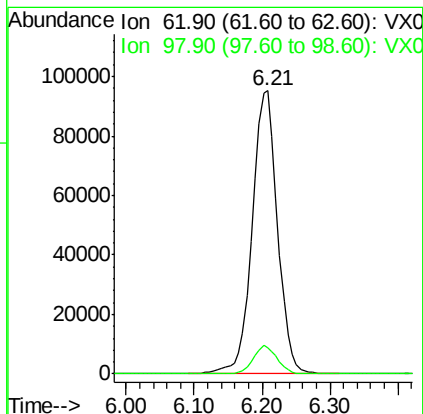
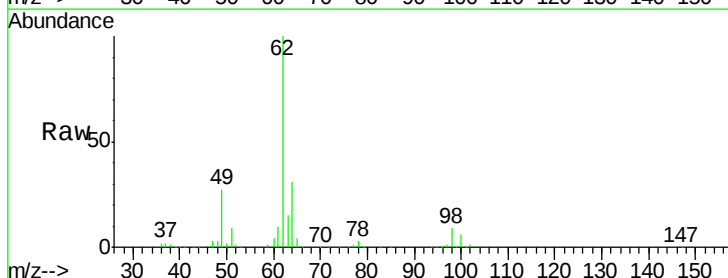
RT: 6.21 min Scan# 922

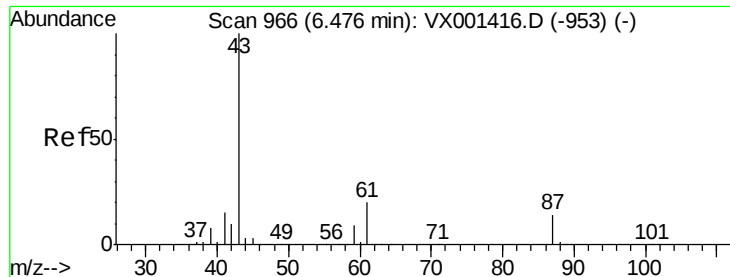
Delta R.T. 0.01 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	19.0	





#43

Isopropyl Acetate

Concen: 54.65 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

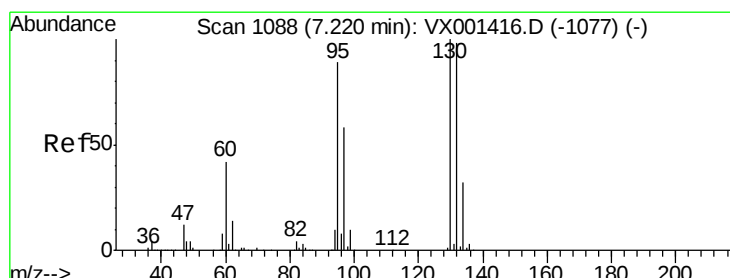
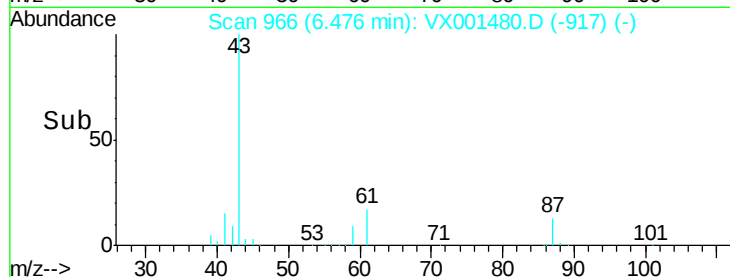
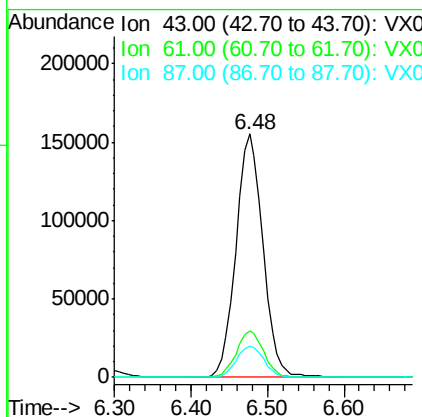
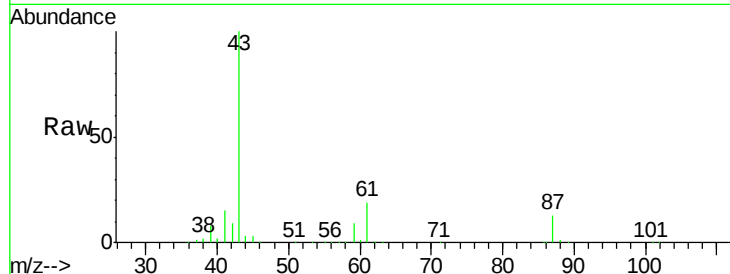
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	377309
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.4	23.0
87	13.2	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 51.71 ug/l

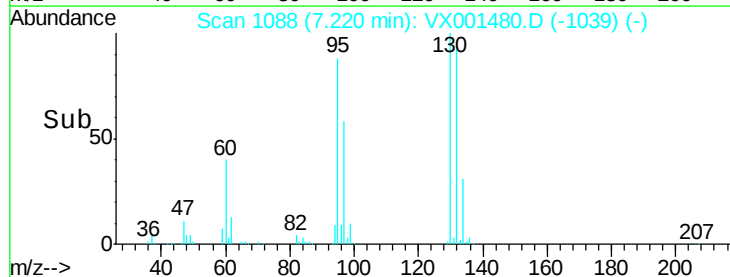
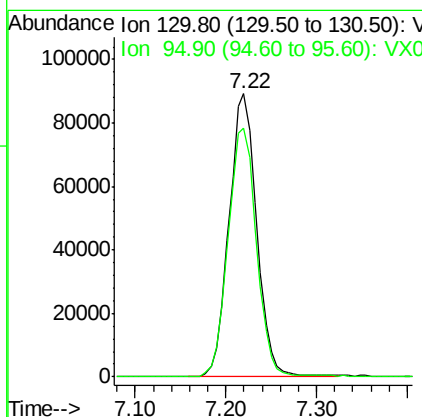
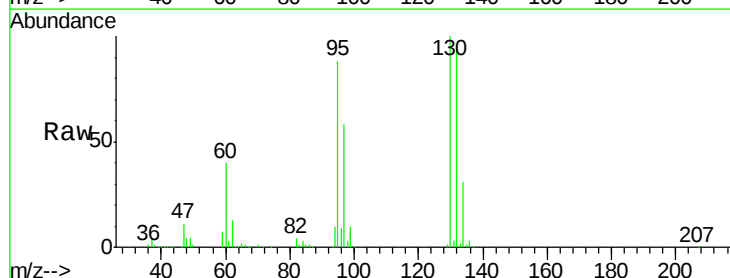
RT: 7.22 min Scan# 1088

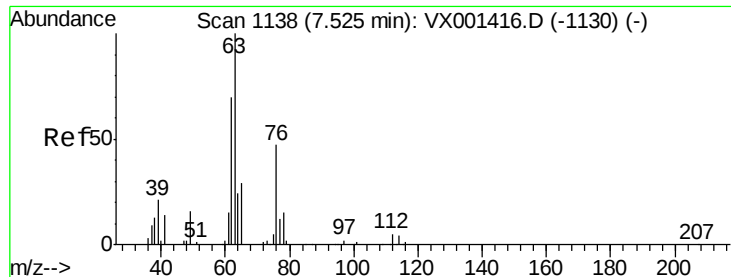
Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Tgt Ion:	130	Resp:	189414
Ion	Ratio	Lower	Upper
130	100		
95	88.1	0.0	178.4





#45

1,2-Dichloropropane

Concen: 53.57 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 160032

Ion Ratio Lower Upper

63 100

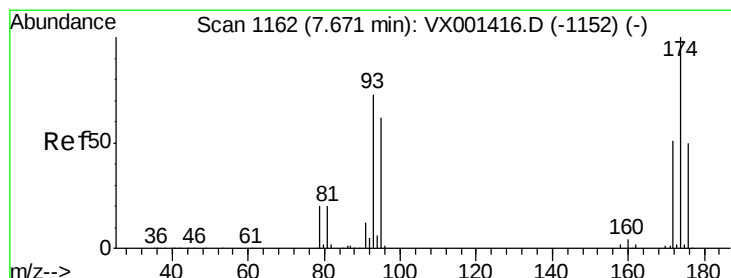
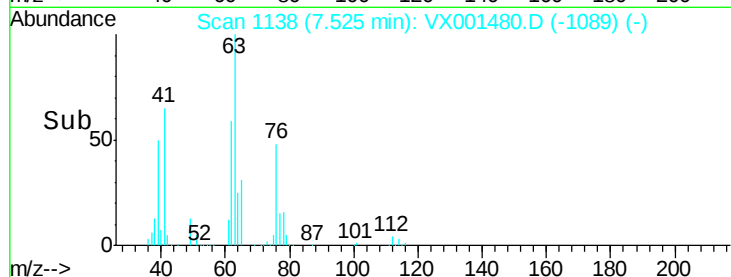
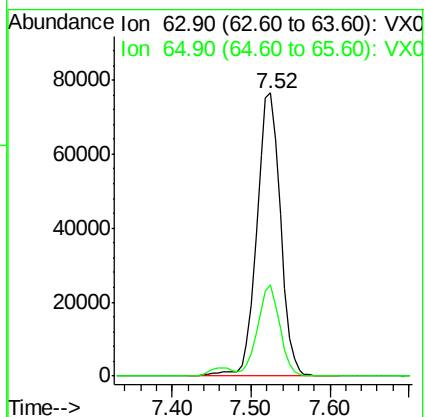
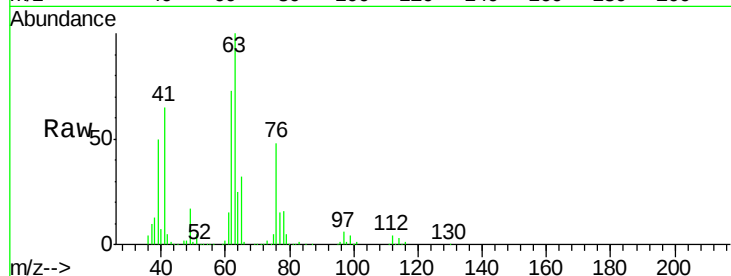
65 32.1 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 53.17 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

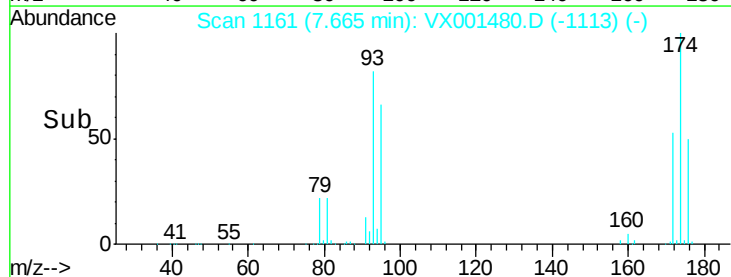
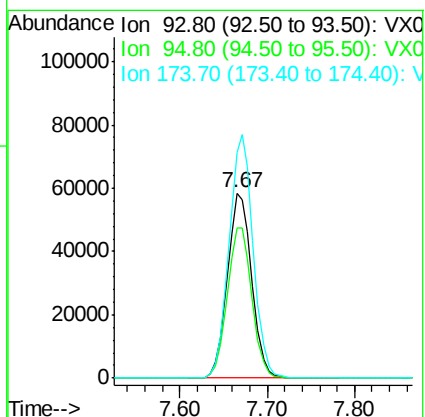
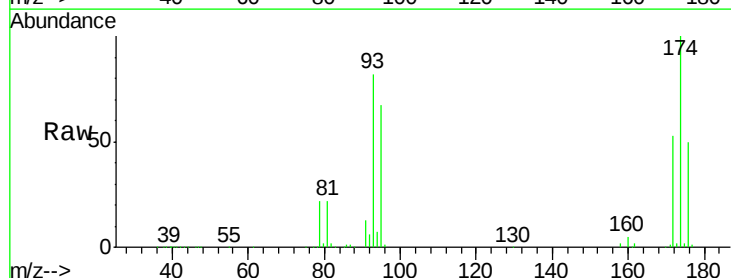
Tgt Ion: 93 Resp: 112456

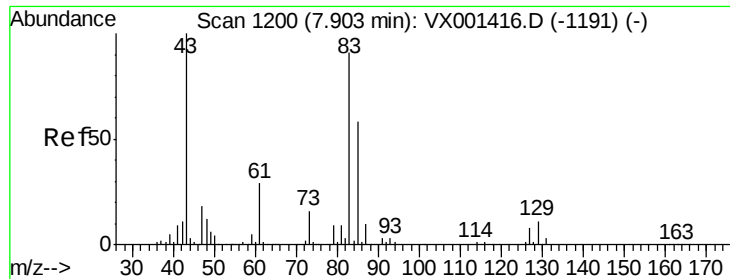
Ion Ratio Lower Upper

93 100

95 82.5 67.0 100.4

174 130.7 104.5 156.7





#47

Bromodichloromethane

Concen: 55.25 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

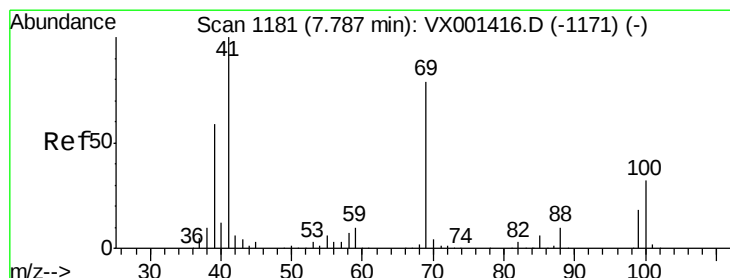
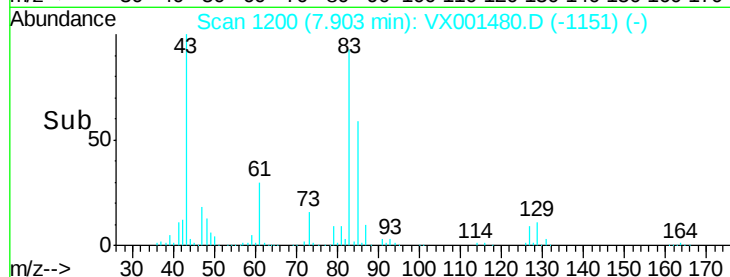
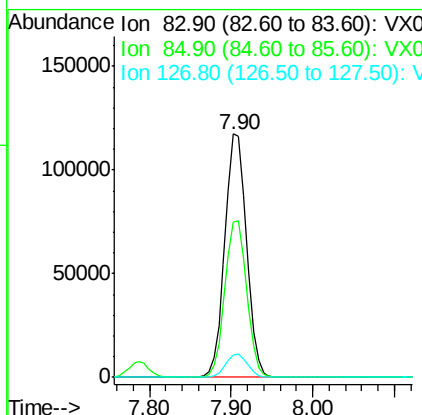
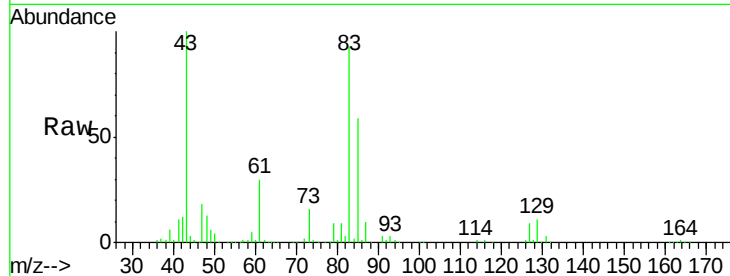
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	216238
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.0	76.6
127	9.2	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.89 ug/l

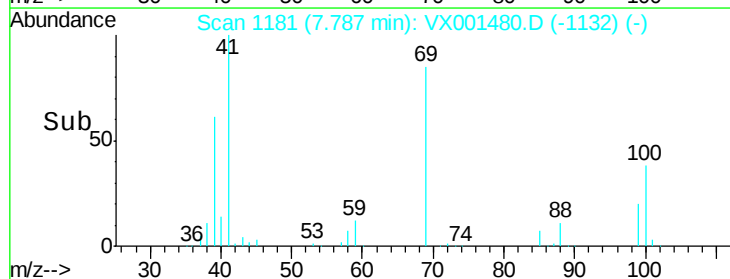
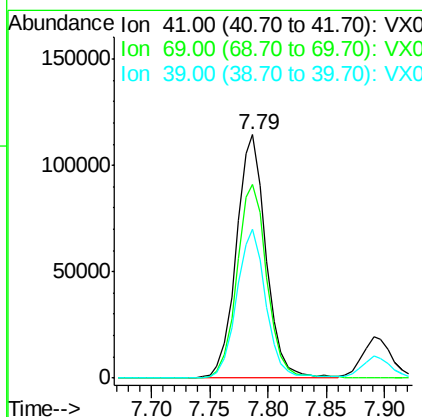
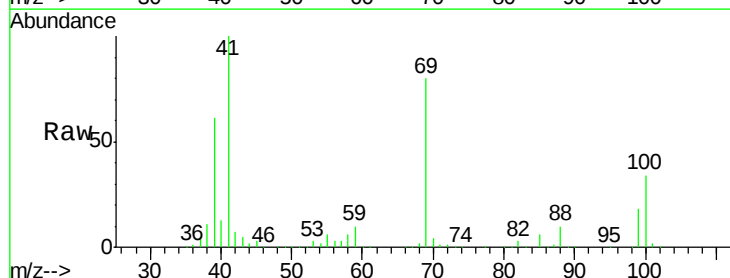
RT: 7.79 min Scan# 1181

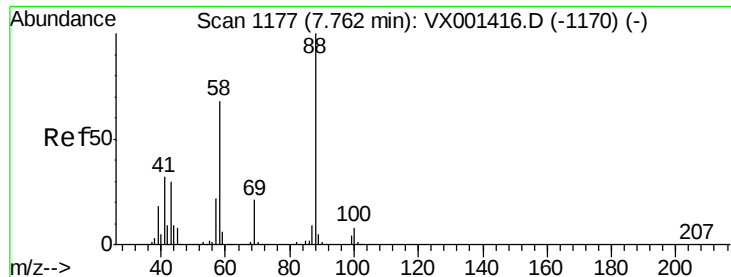
Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Tgt Ion:	41	Resp:	202585
Ion Ratio	Lower	Upper	
41	100		
69	81.1	63.4	95.2
39	60.2	47.0	70.4





#49

1,4-Dioxane

Concen: 1095.39 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

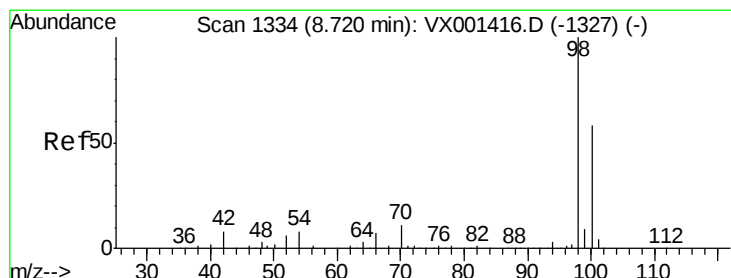
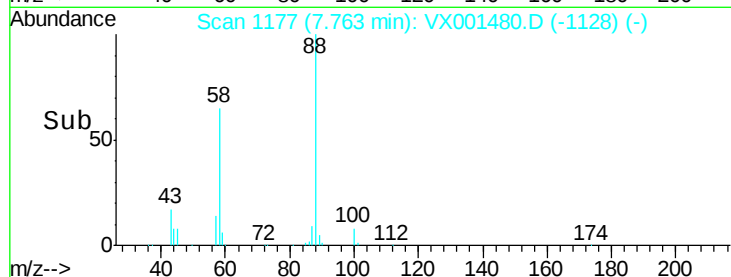
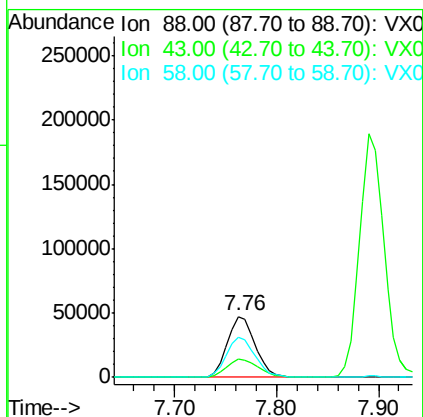
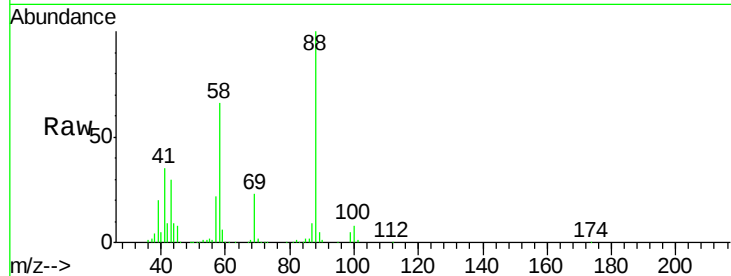
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	88966
Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.4	39.6
58	68.1	54.1	81.1

Manual Integrations
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#50

Toluene-d8

Concen: 50.99 ug/l

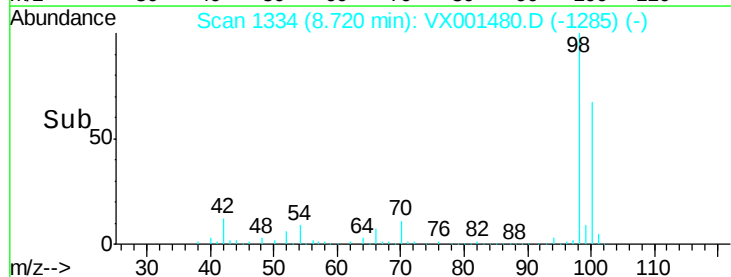
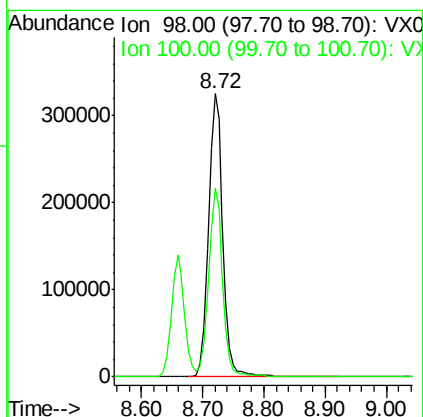
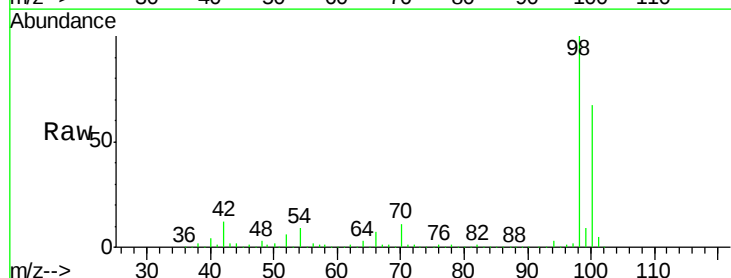
RT: 8.72 min Scan# 1334

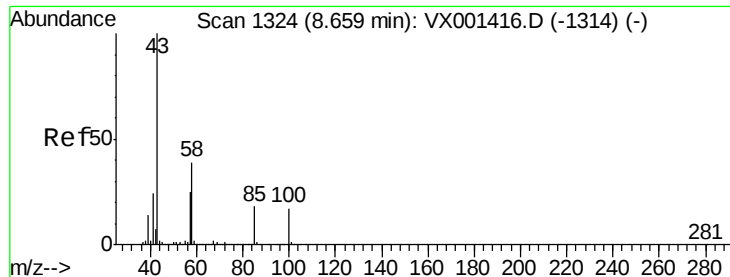
Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Tgt Ion:	98	Resp:	533978
Ion	Ratio	Lower	Upper
98	100		
100	66.2	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 280.63 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1287460

Ion Ratio Lower Upper

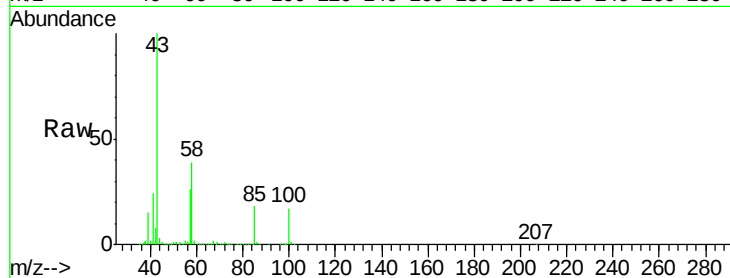
43 100

58 38.3 30.8 46.2

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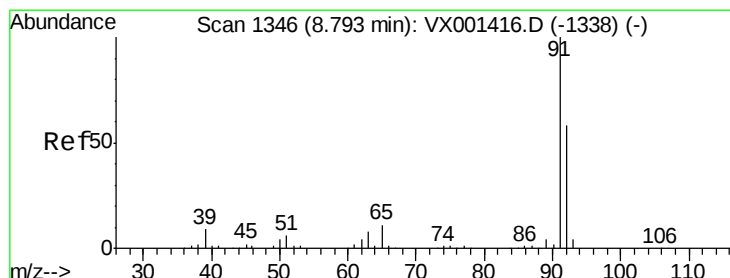
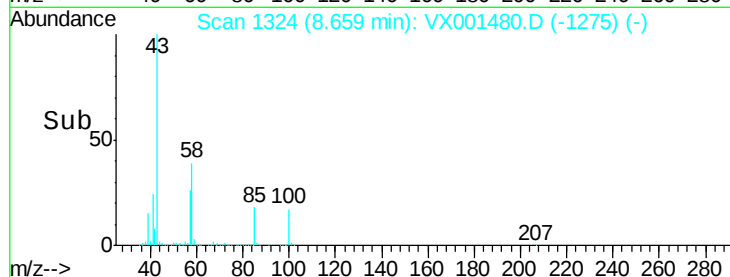
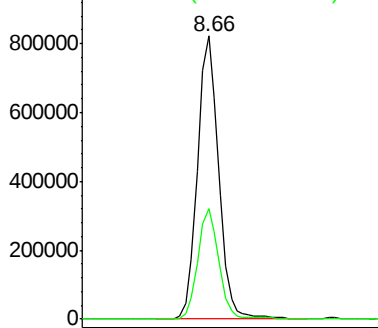
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.38 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001480.D

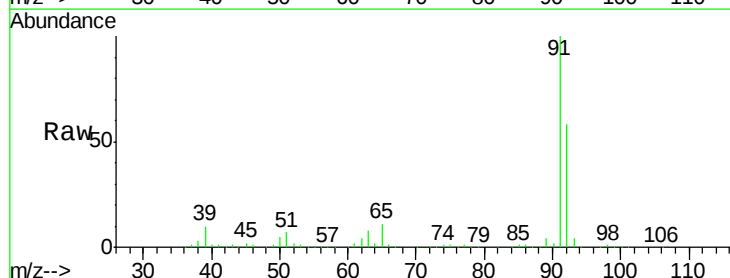
Acq: 07 May 2018 22:00

Tgt Ion: 92 Resp: 418263

Ion Ratio Lower Upper

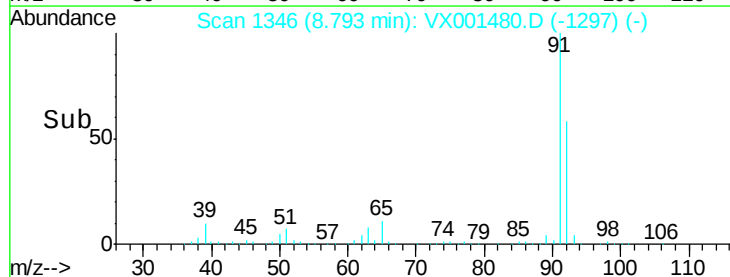
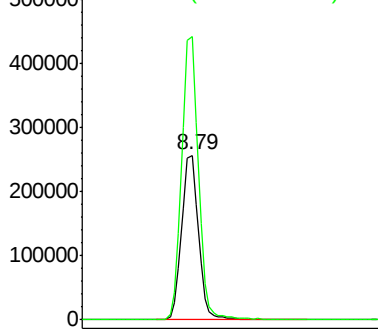
92 100

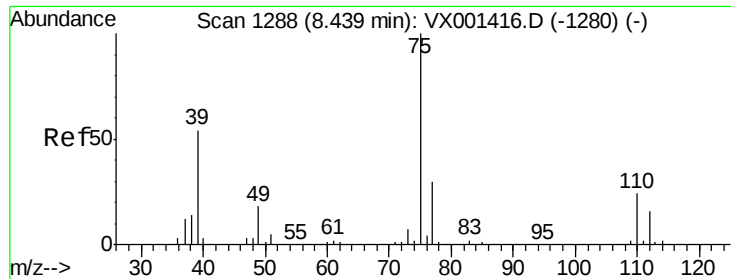
91 171.3 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





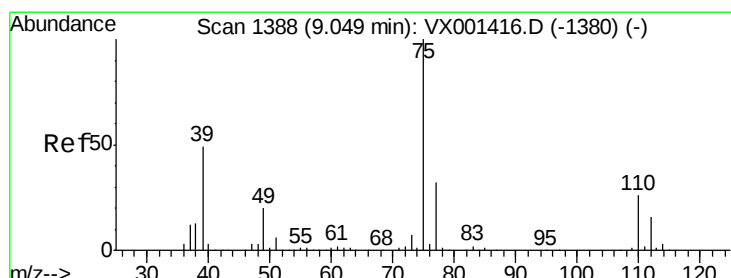
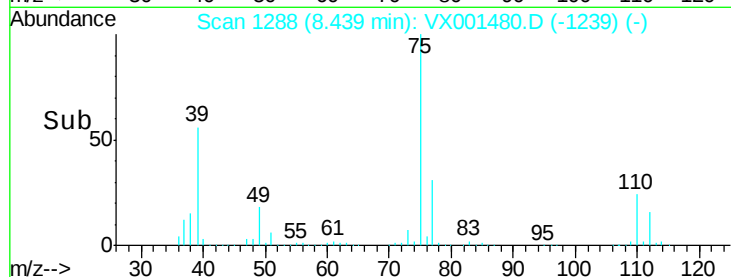
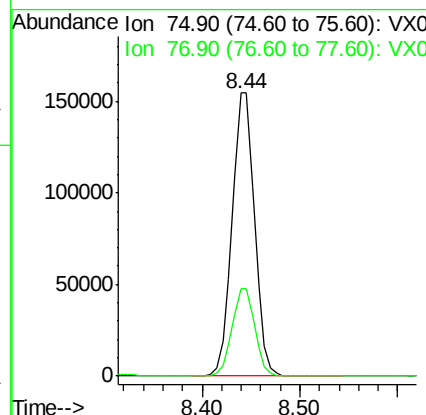
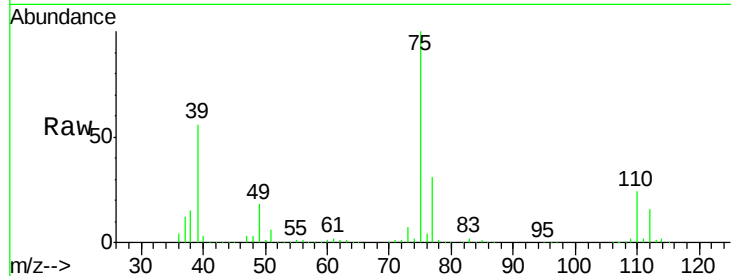
#53
t-1,3-Dichloropropene
Concen: 55.70 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	246390		
77	30.9	24.2	36.4	

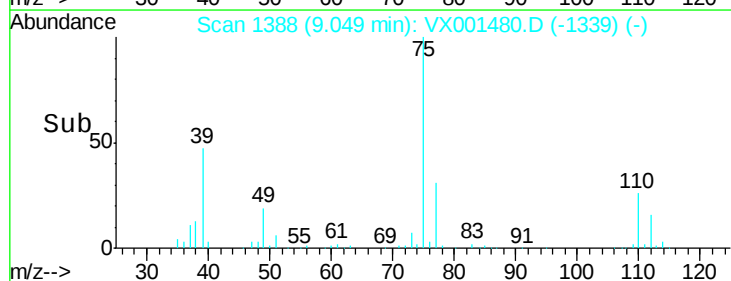
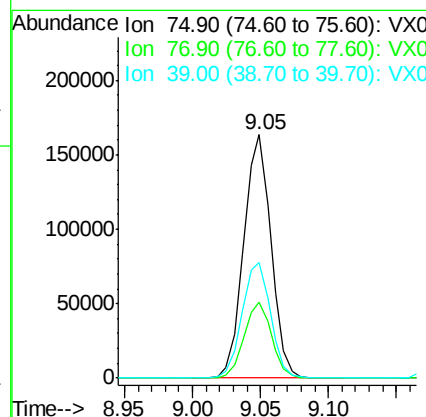
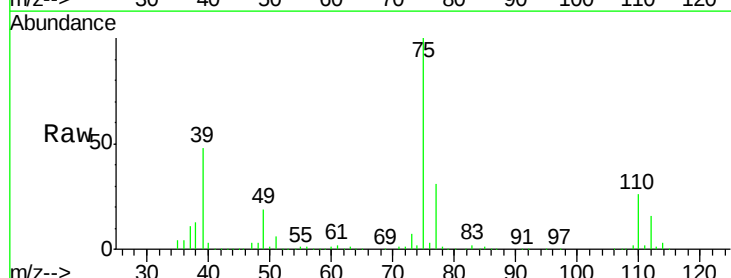
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 50.05 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	228889		
77	31.2	25.5	38.3	
39	47.6	38.9	58.3	





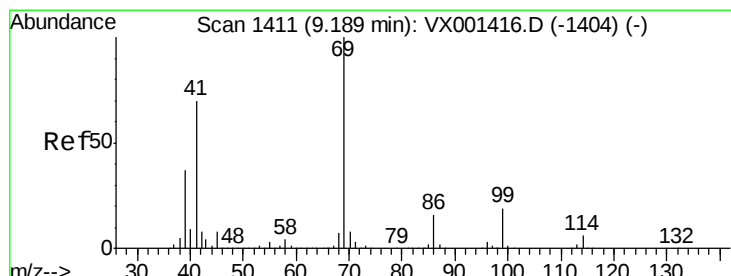
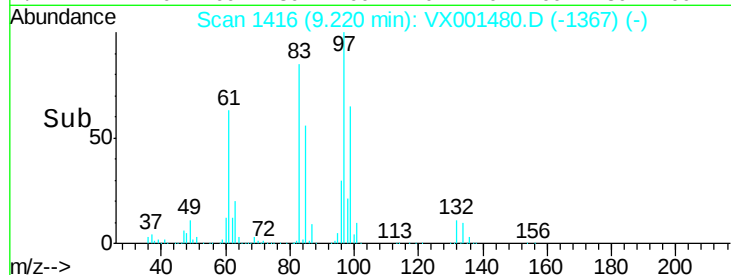
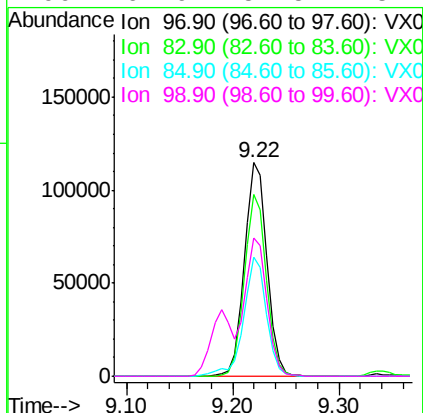
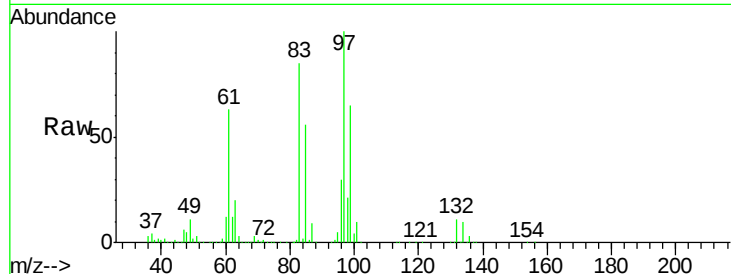
#55
 1,1,2-Trichloroethane
 Concen: 54.09 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	170740
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.0
85	55.7	43.3	64.9
99	64.9	52.5	78.7

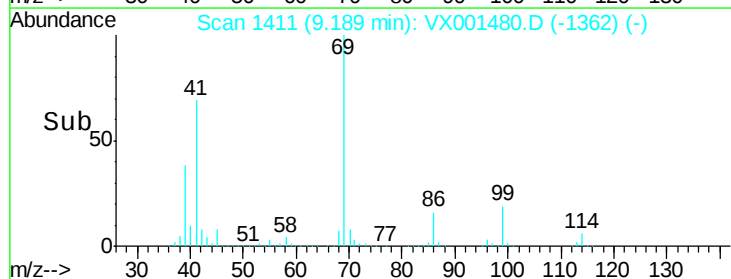
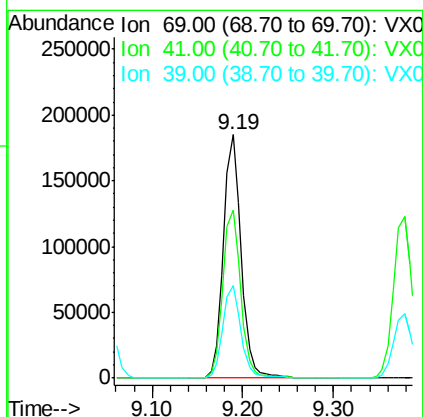
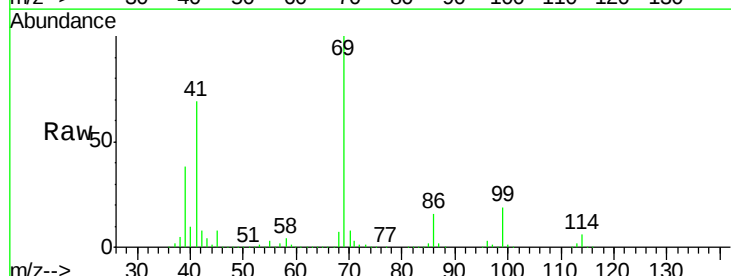
Manual Integrations
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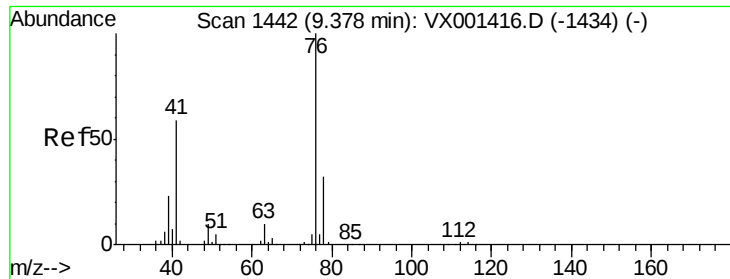
MMDadoda
 5/9/2018 5:47:35 PM



#56
 Ethyl methacrylate
 Concen: 55.73 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Tgt Ion:	69	Resp:	253606
Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.1	82.7
39	38.7	29.9	44.9





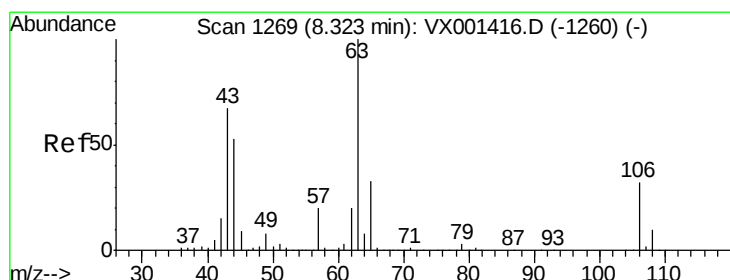
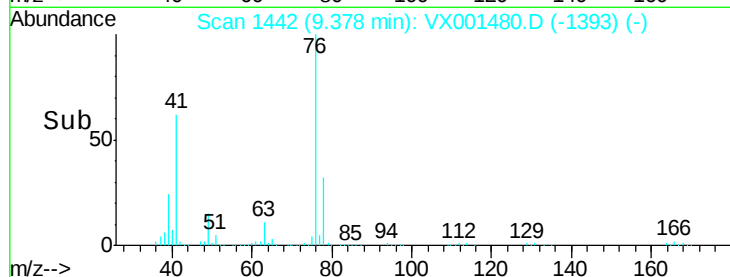
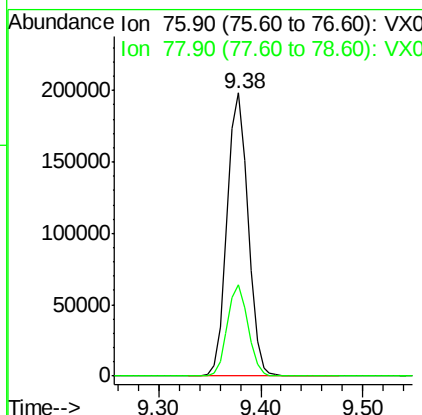
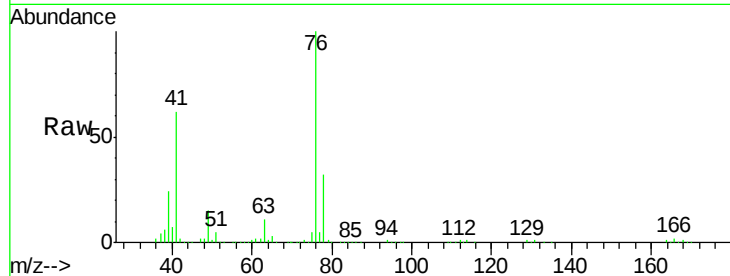
#57
 1,3-Dichloropropane
 Concen: 54.06 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 282165
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

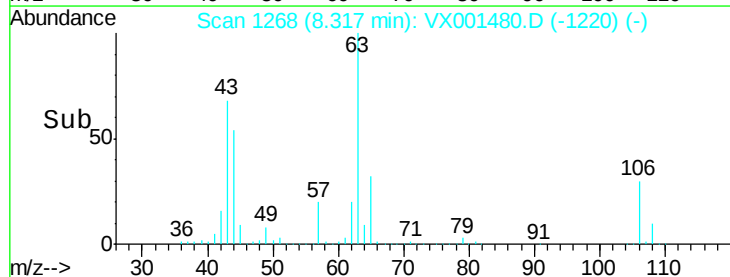
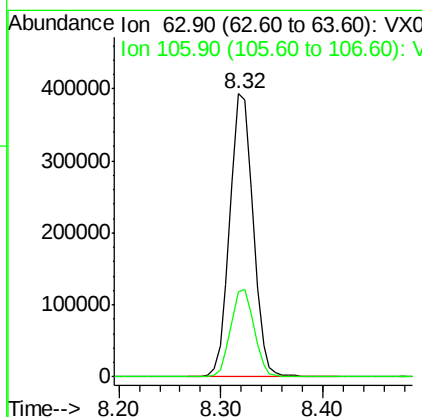
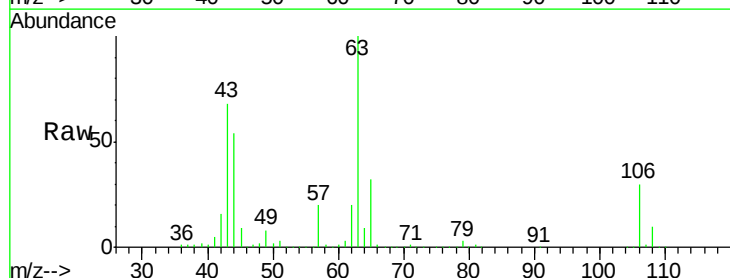
Manual Integrations
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 5/9/2018 5:47:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.26 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Tgt Ion: 63 Resp: 618820
 Ion Ratio Lower Upper
 63 100
 106 31.2 25.4 38.0





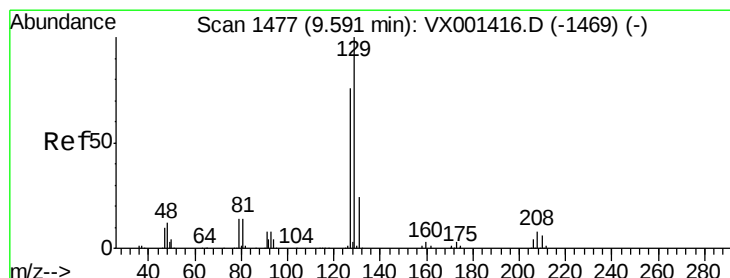
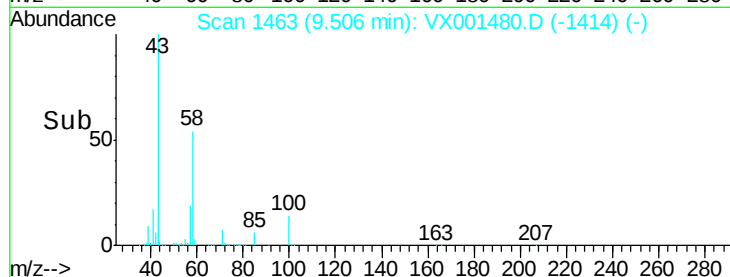
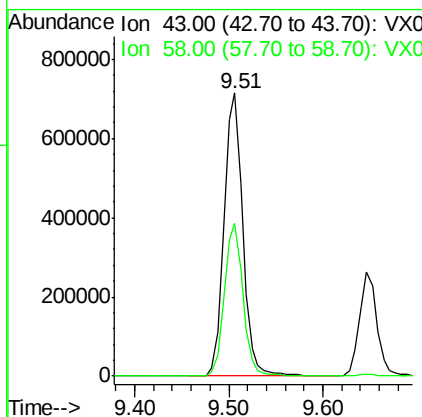
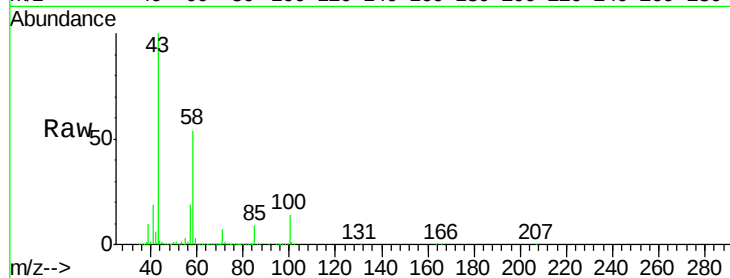
#59
2-Hexanone
Concen: 280.56 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	27.1	81.2

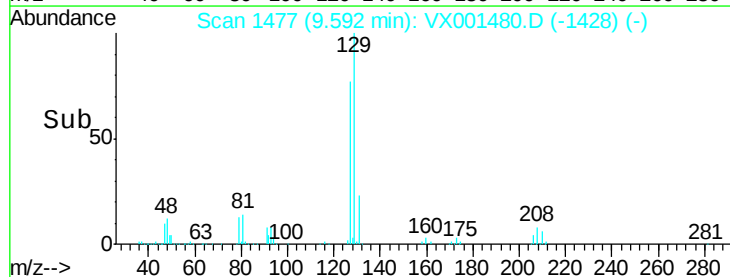
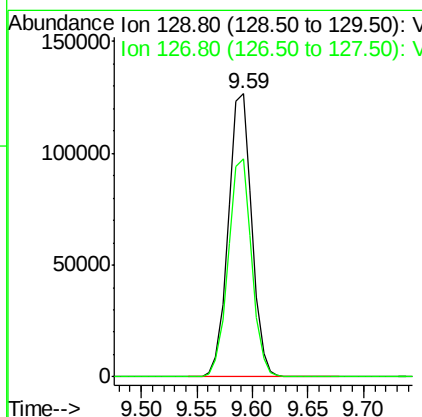
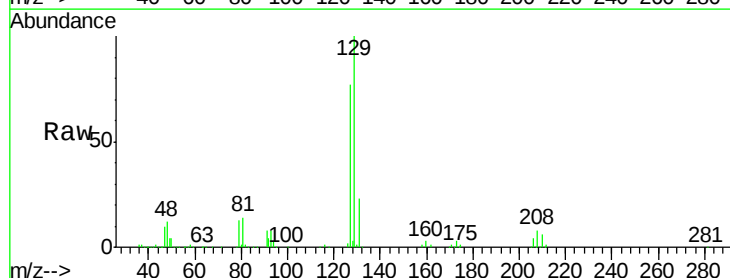
Manual Integrations
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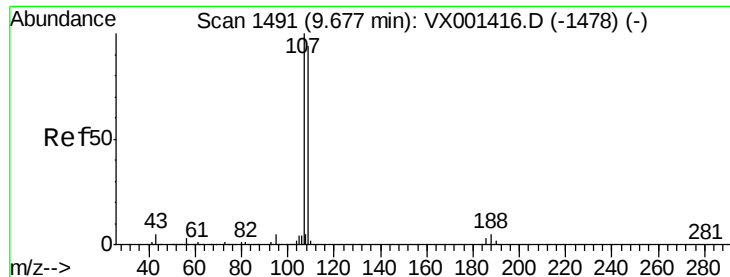
MMDadoda
5/9/2018 5:47:35 PM



#60
Dibromochloromethane
Concen: 56.97 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.1	114.5





#61

1,2-Dibromoethane

Concen: 54.67 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 181207

Ion Ratio Lower Upper

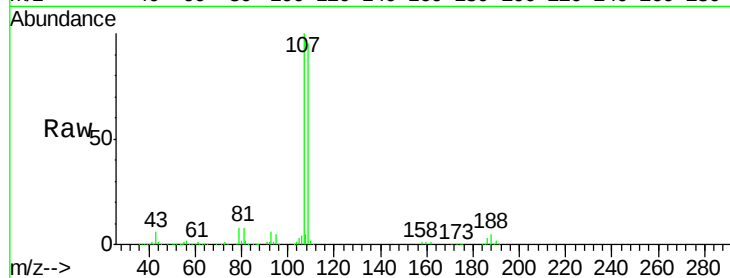
107 100

109 94.2 75.5 113.3

Manual Integrations
APPROVED

MMDadoda

5/9/2018 5:47:35 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

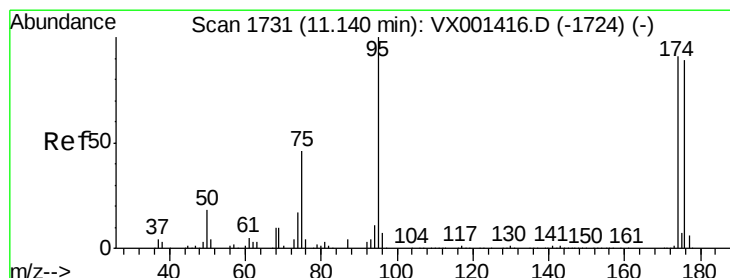
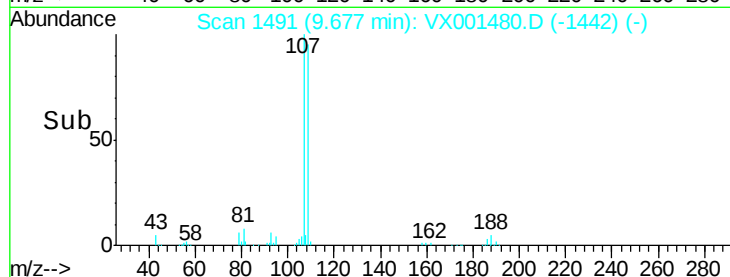
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

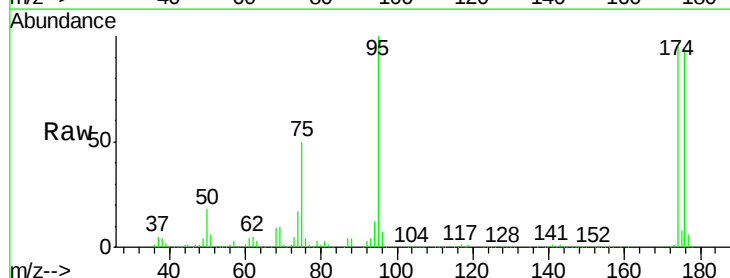
Tgt Ion: 95 Resp: 202757

Ion Ratio Lower Upper

95 100

174 100.7 0.0 202.0

176 98.2 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

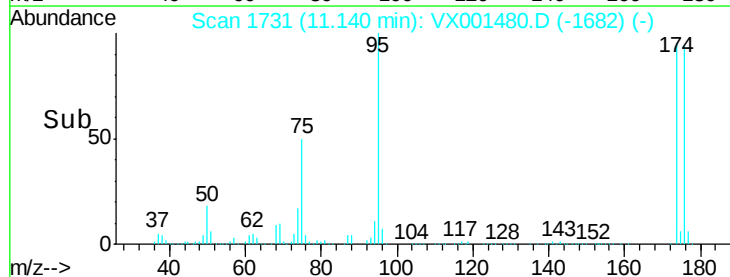
150000

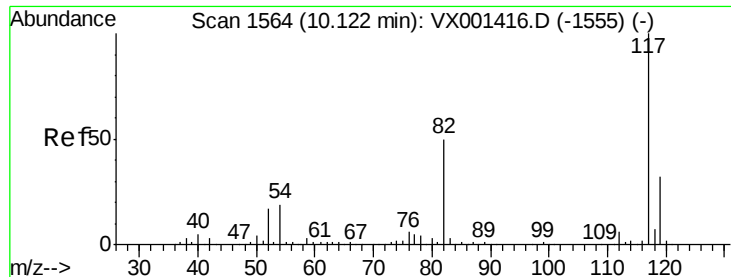
100000

50000

0

Time-->





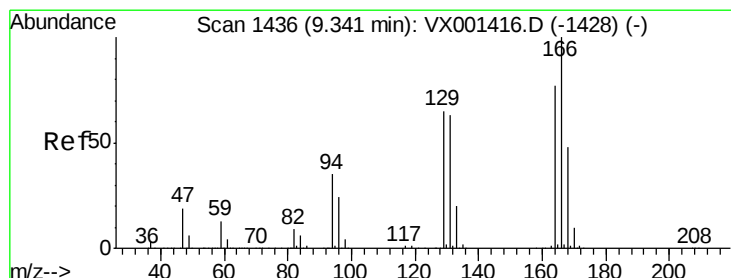
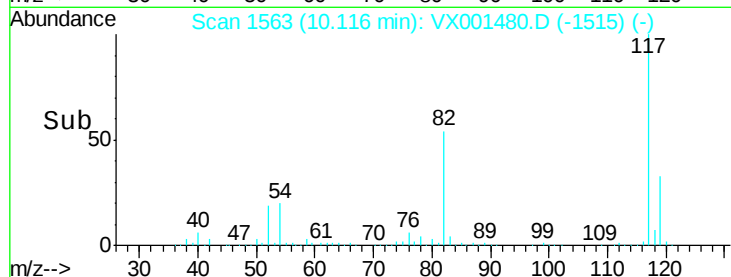
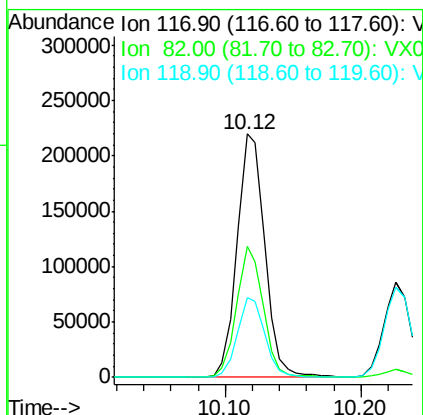
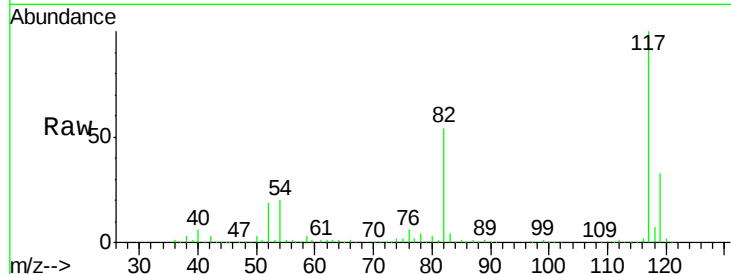
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	40.0	60.0
119	32.6	25.8	38.8

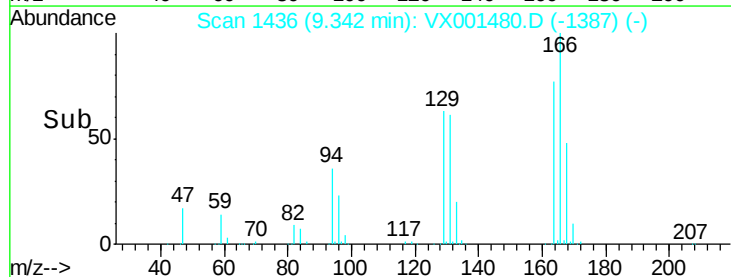
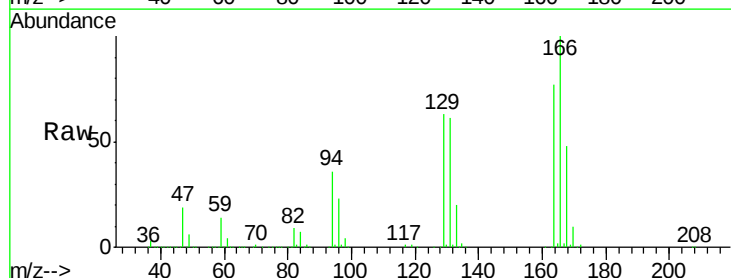
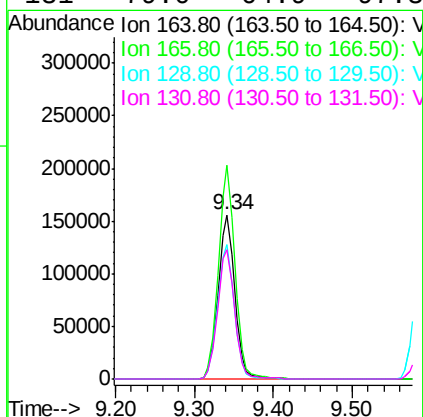
Manual Integrations
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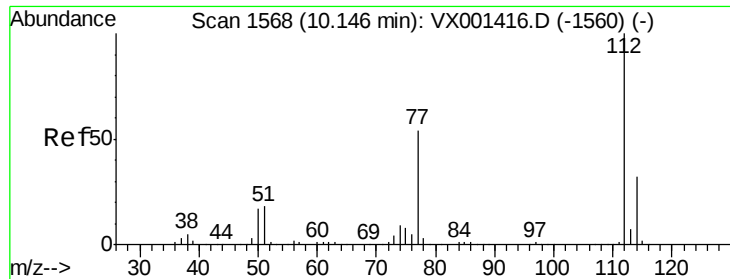
MMDadoda
5/9/2018 5:47:35 PM



#64
Tetrachloroethene
Concen: 52.99 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.5	155.3
129	82.1	66.7	100.1
131	79.0	64.9	97.3





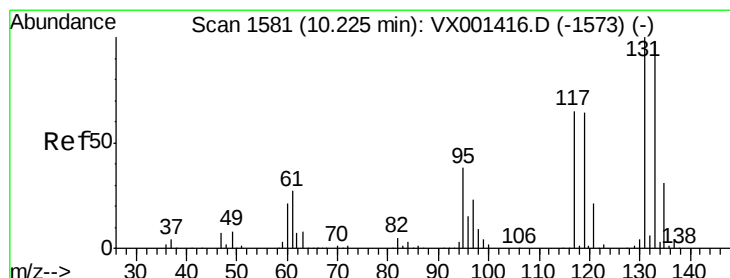
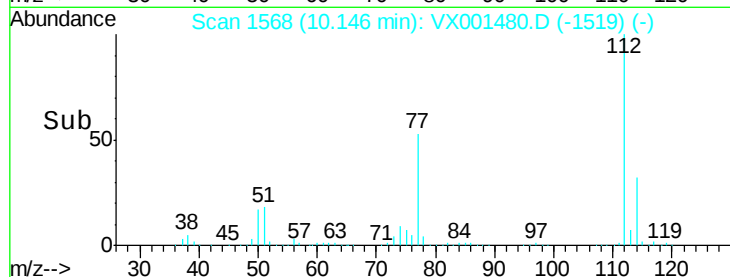
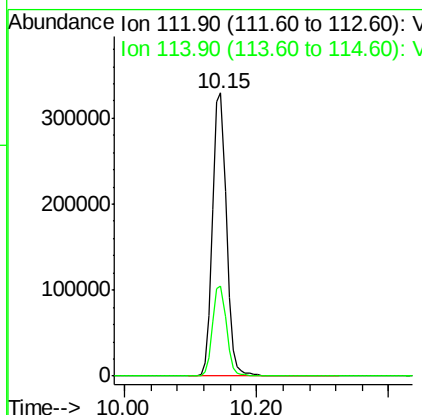
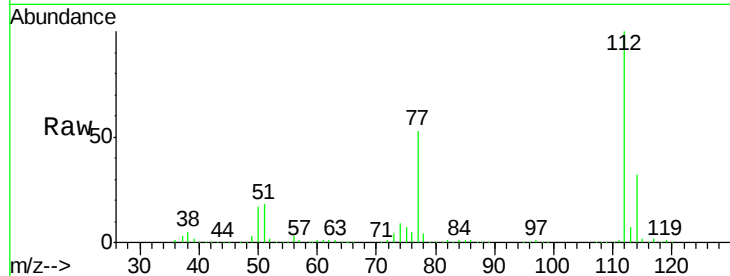
#65
Chlorobenzene
Concen: 51.98 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 476352
Ion Ratio Lower Upper
112 100
114 32.0 26.0 39.0

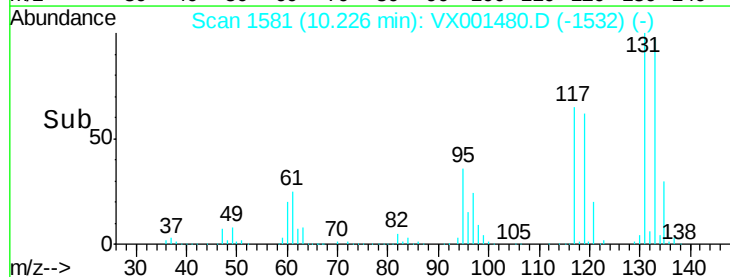
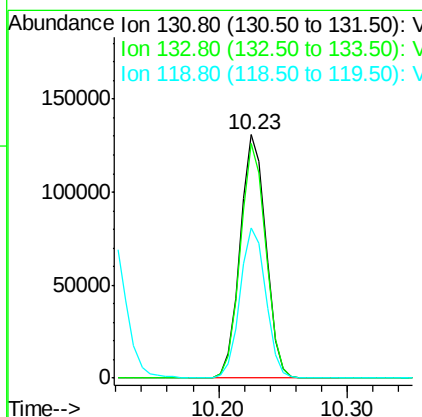
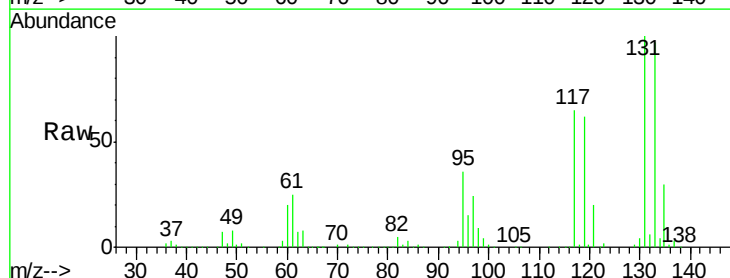
Manual Integrations
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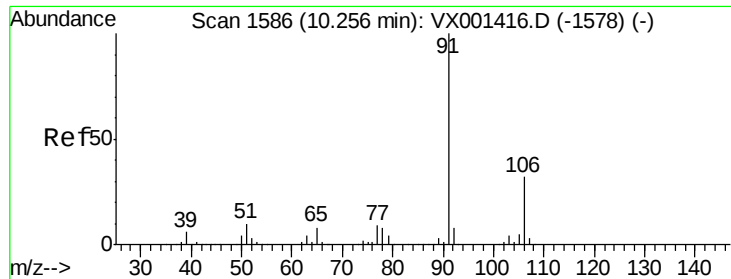
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.97 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion:131 Resp: 180193
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.8
119 61.9 31.1 93.3





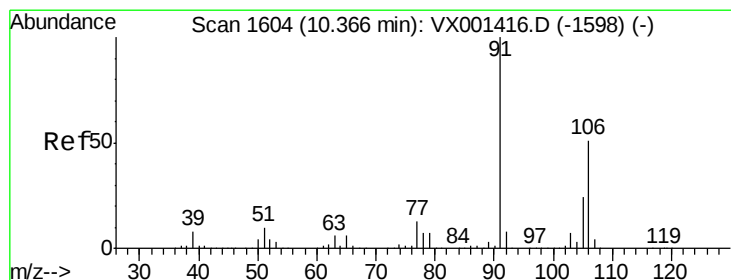
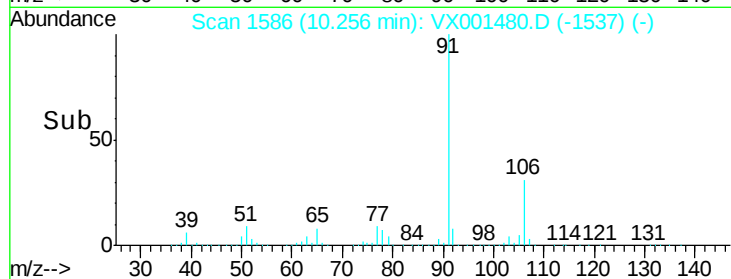
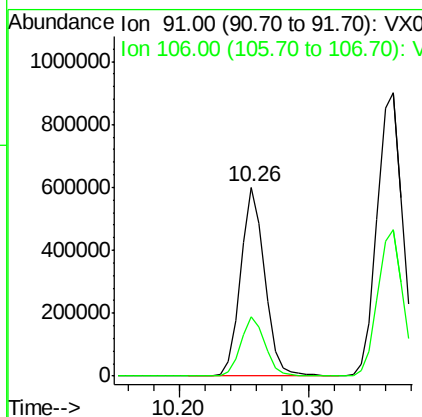
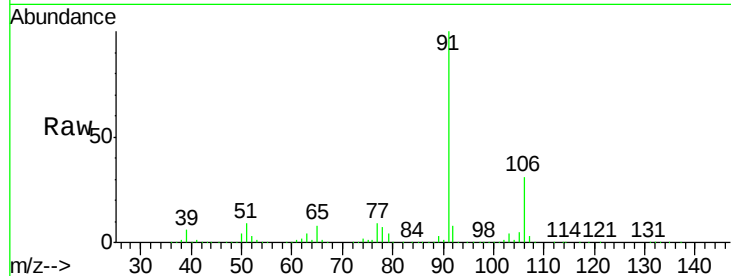
#67
Ethyl Benzene
Concen: 51.93 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 780010
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3

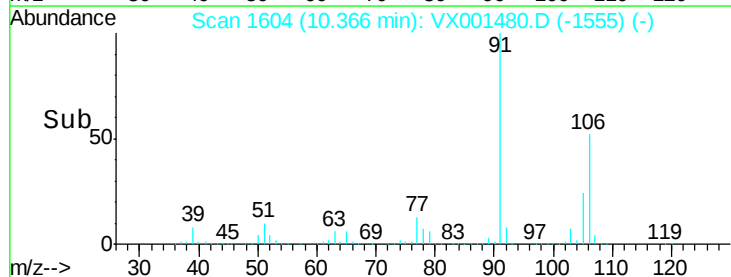
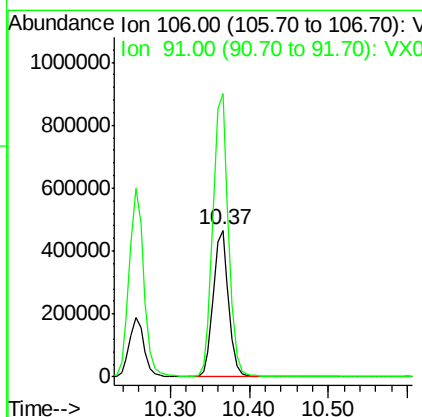
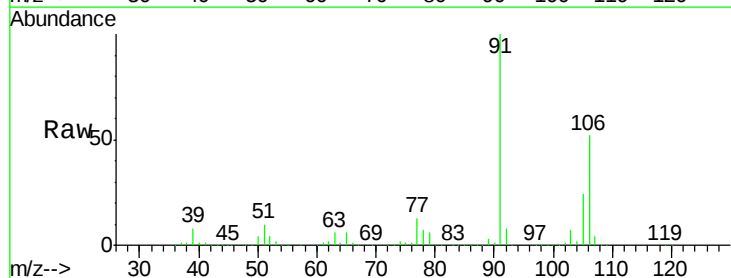
Manual Integrations
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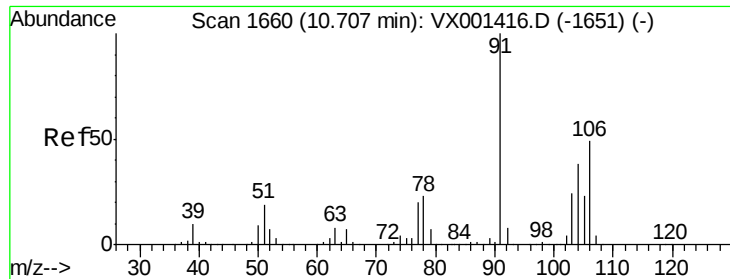
MMDadoda
5/9/2018 5:47:35 PM



#68
m/p-Xylenes
Concen: 106.32 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion: 106 Resp: 631014
Ion Ratio Lower Upper
106 100
91 196.2 157.5 236.3





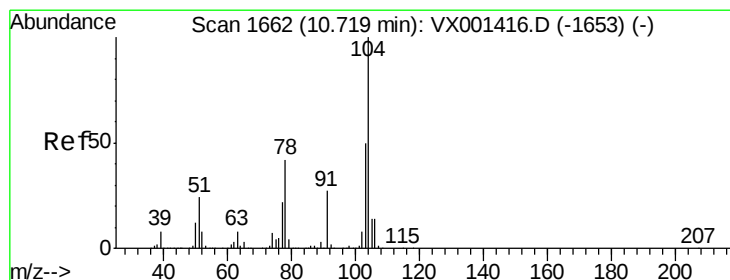
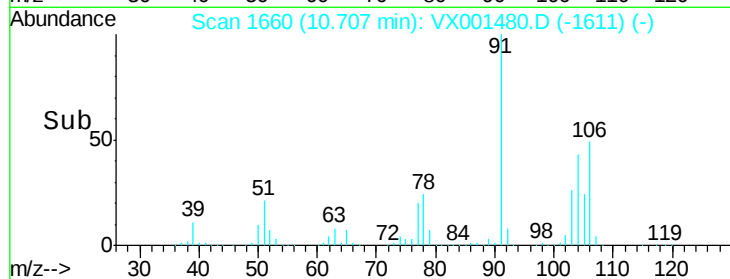
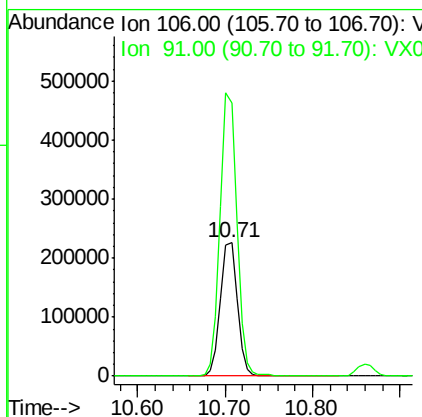
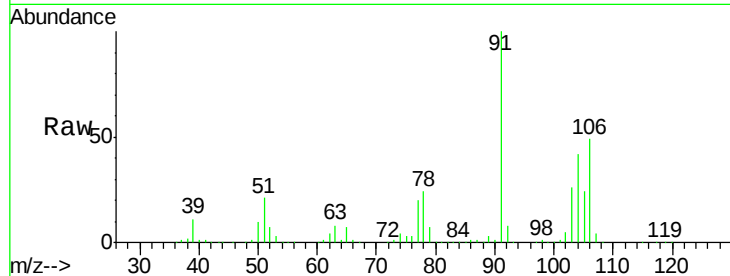
#69
o-Xylene
Concen: 53.07 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.1	103.1	309.1	

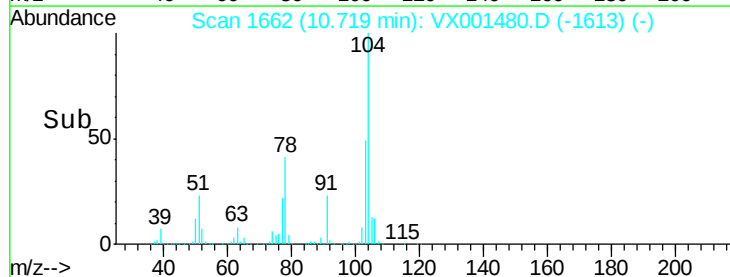
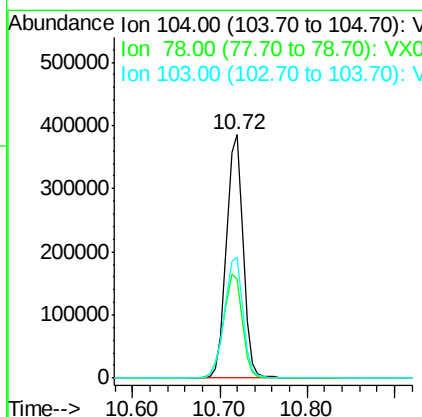
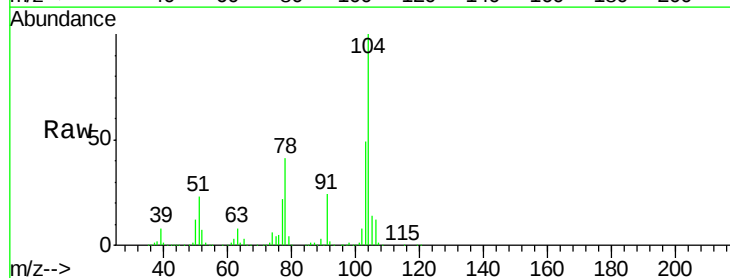
Manual Integrations
APPROVED

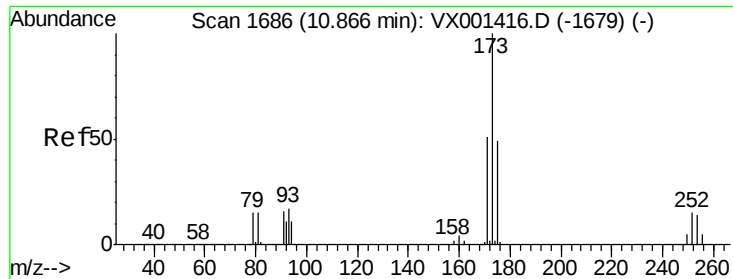
MMDadoda
5/9/2018 5:47:35 PM



#70
Styrene
Concen: 54.71 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.9	38.6	58.0	
103	54.7	44.0	66.0	





#71

Bromoform

Concen: 48.21 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

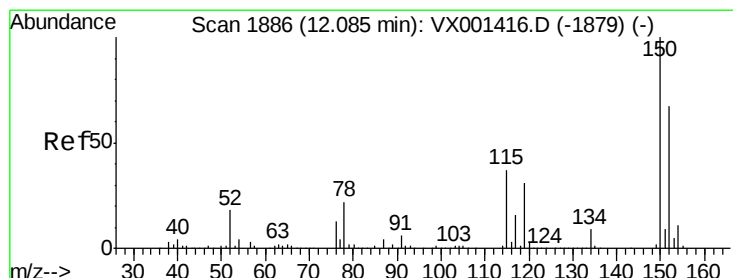
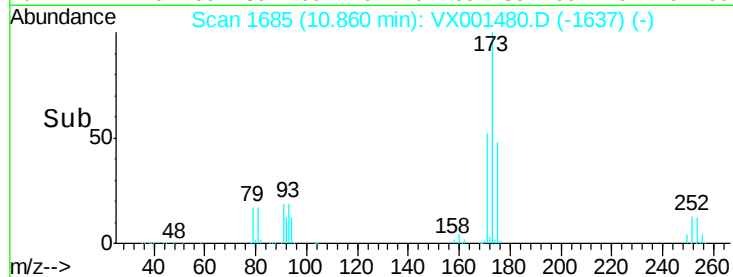
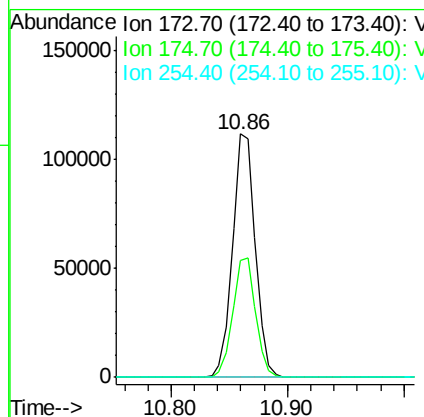
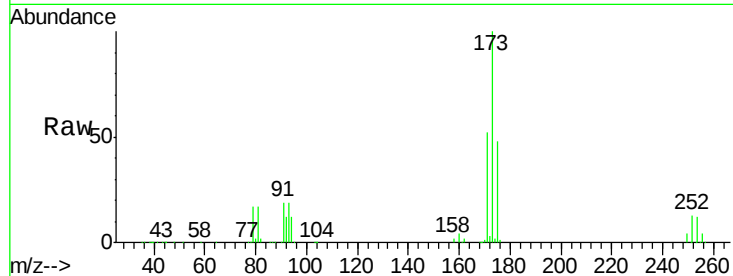
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	151564
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.5	73.5
254	0.2	0.2	0.2

Manual Integrations
APPROVED

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

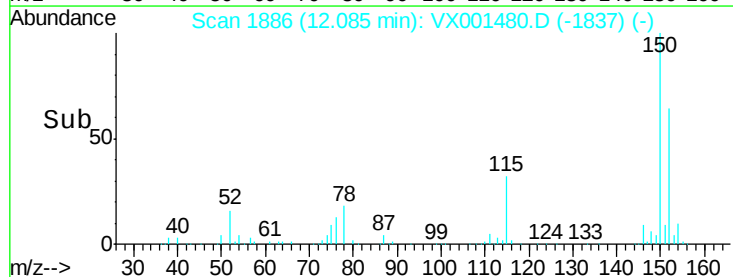
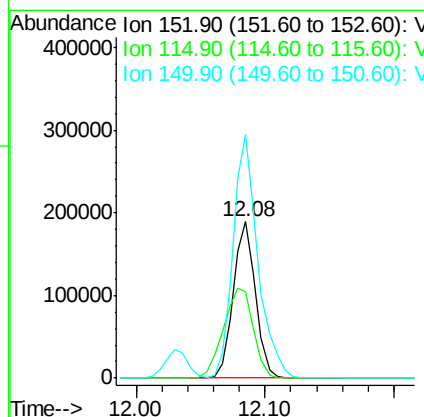
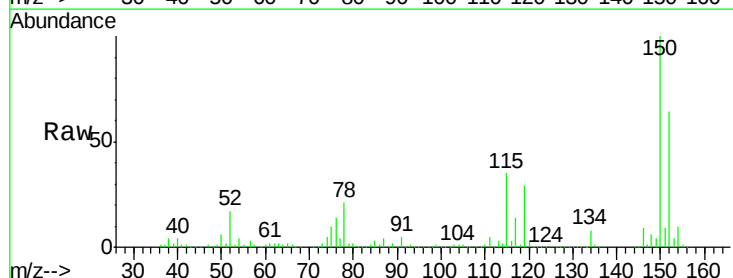
RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Tgt Ion:	152	Resp:	227998
Ion Ratio	Lower	Upper	
152	100		
115	77.9	37.7	113.1
150	173.6	0.0	349.4





#73

Isopropylbenzene

Concen: 52.39 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 826851

Ion Ratio Lower Upper

105 100

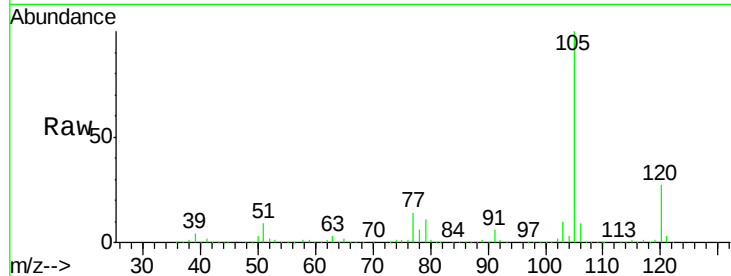
120 27.3 13.6 40.8

Manual Integrations

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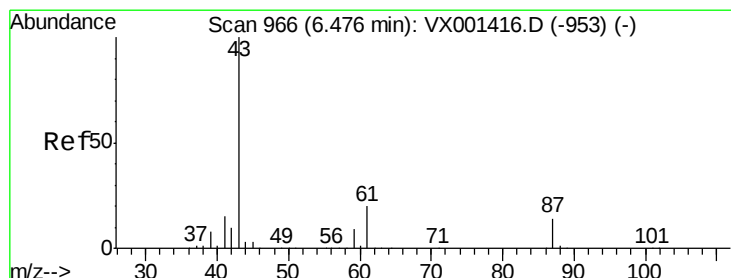
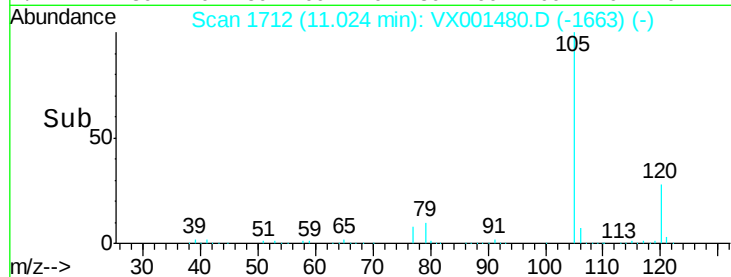
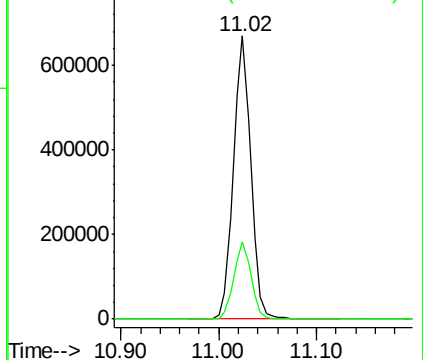
MMDadoda

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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: 52.63 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Tgt Ion: 43 Resp: 377309

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

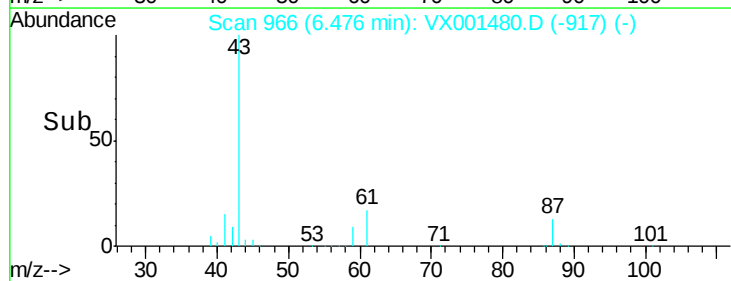
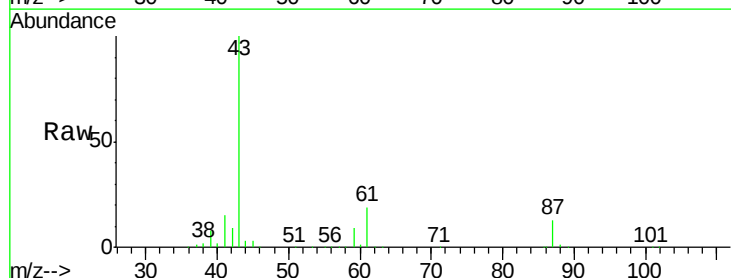
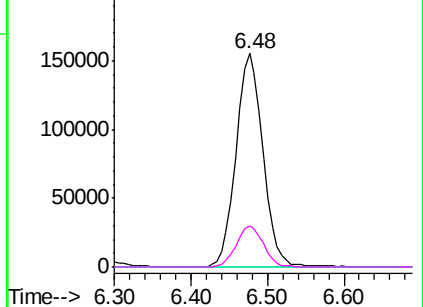
61 19.6 15.4 23.0

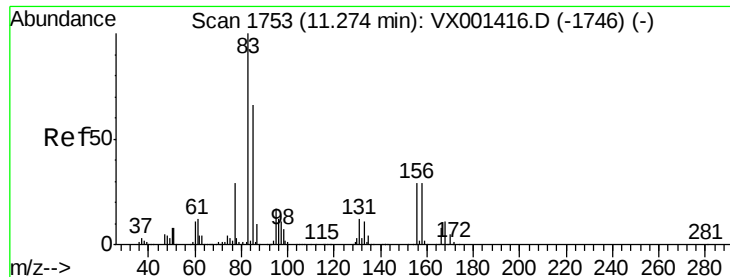
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 52.80 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 246122

Ion Ratio Lower Upper

83 100

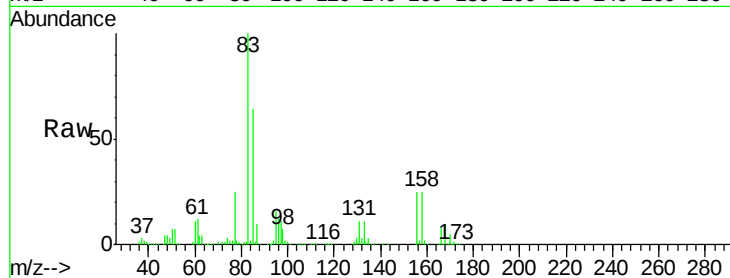
131 11.5 5.8 17.4

85 65.1 32.7 98.1

Manual Integrations
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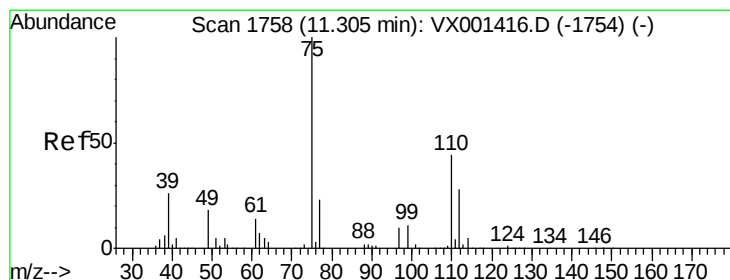
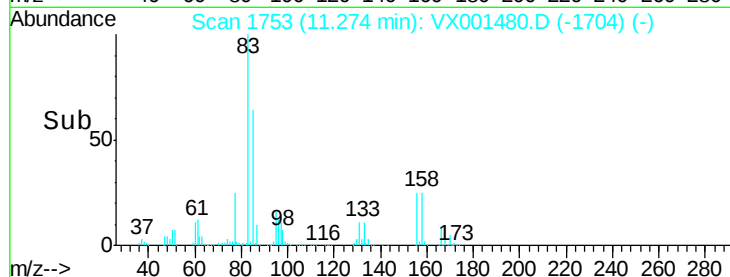
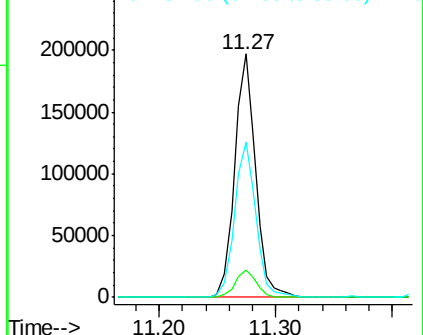
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 52.49 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001480.D

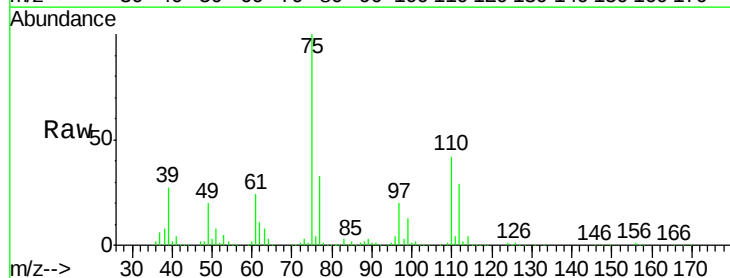
Acq: 07 May 2018 22:00

Tgt Ion: 75 Resp: 242733

Ion Ratio Lower Upper

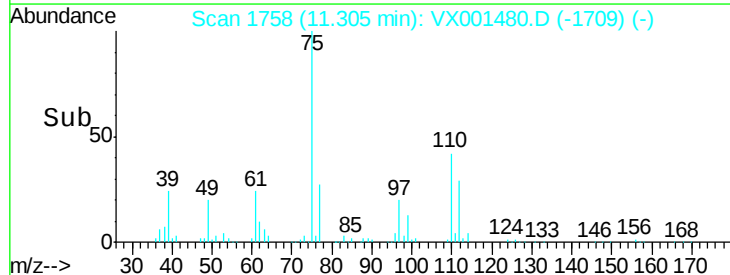
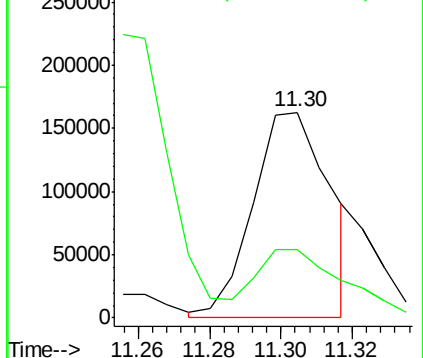
75 100

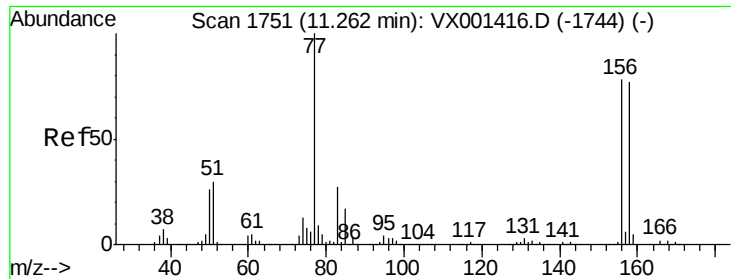
77 38.0 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.97 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

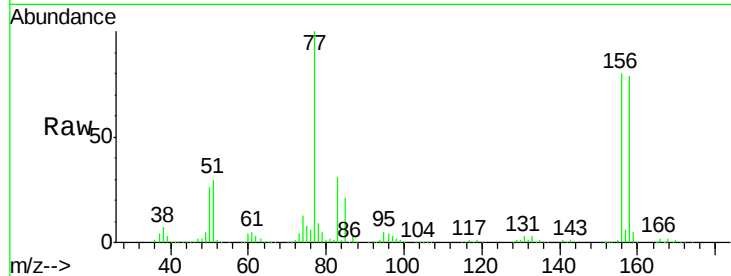
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	233909
Ion Ratio	Lower	Upper	
156	100		
77	132.1	66.0	198.2
158	97.9	49.4	148.2

Manual Integrations
APPROVED

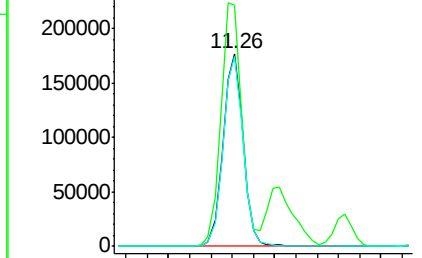
MMDadoda
5/9/2018 5:47:35 PM



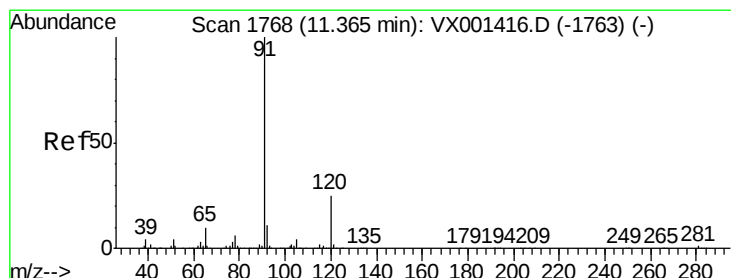
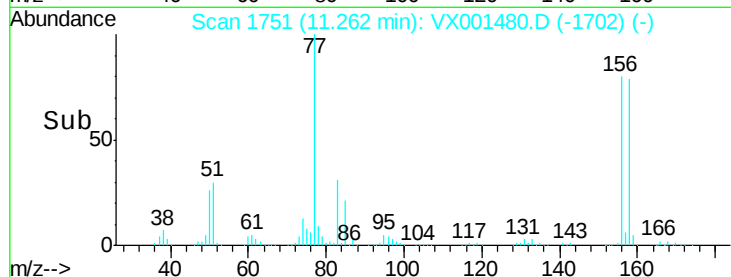
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 53.22 ug/l

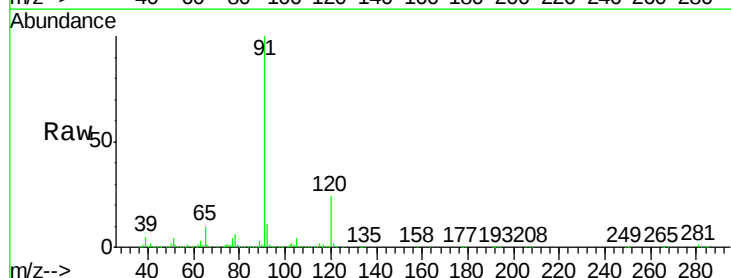
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001480.D

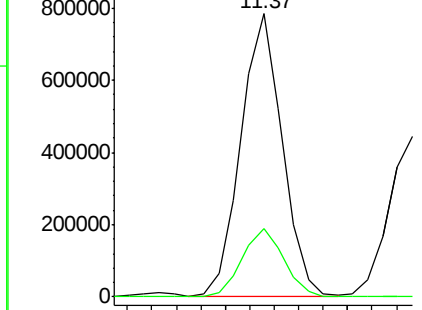
Acq: 07 May 2018 22:00

Tgt Ion:	91	Resp:	914709
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.5	37.5

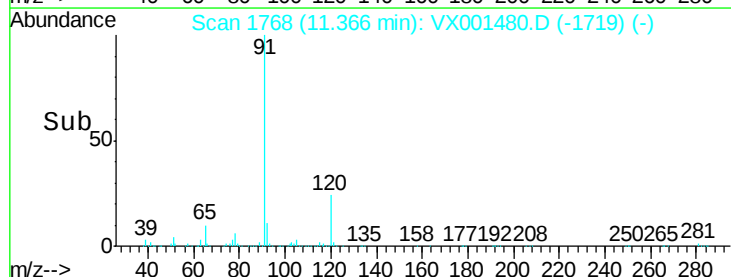


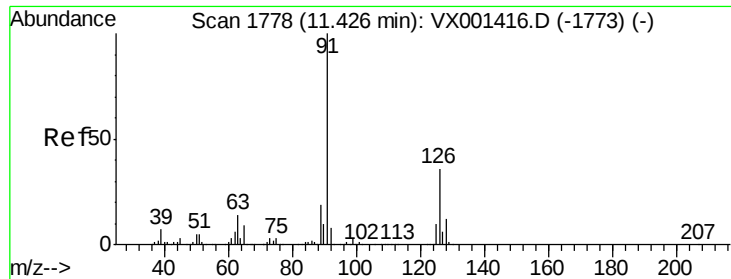
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 51.64 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 546181

Ion Ratio Lower Upper

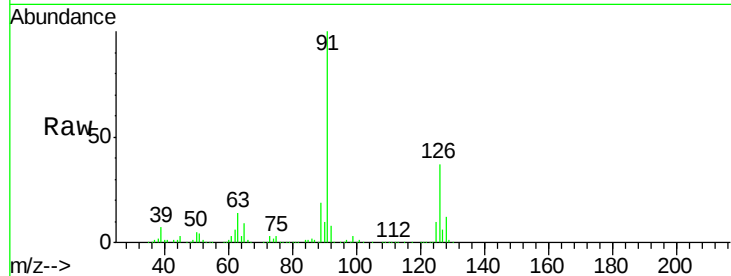
91 100

126 36.7 18.1 54.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX001416.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001416.D (-1773) (-)

800000

600000

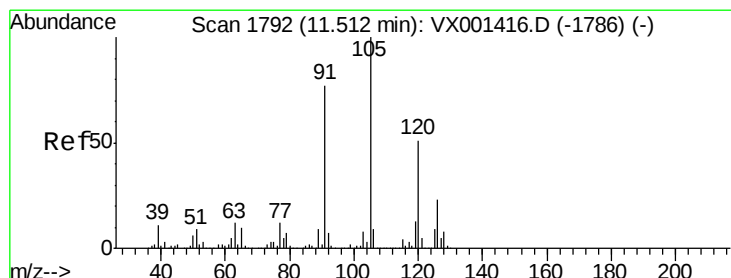
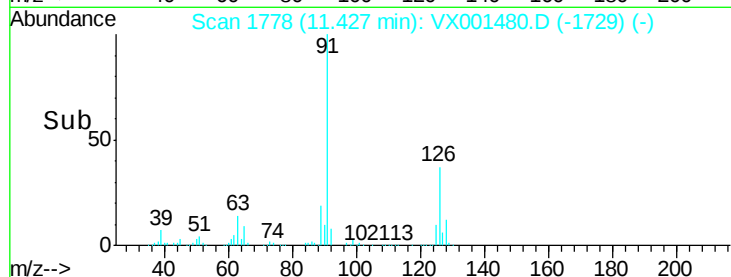
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.78 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001480.D

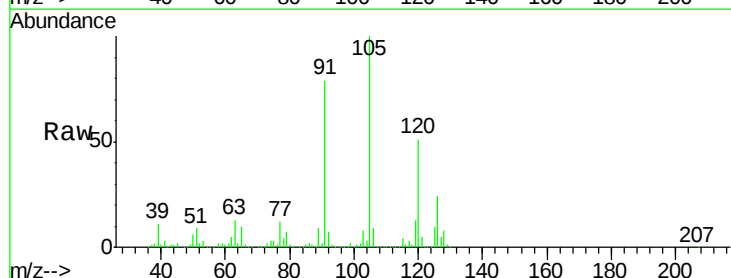
Acq: 07 May 2018 22:00

Tgt Ion: 105 Resp: 693540

Ion Ratio Lower Upper

105 100

120 51.3 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VX001416.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001416.D (-1786) (-)

600000

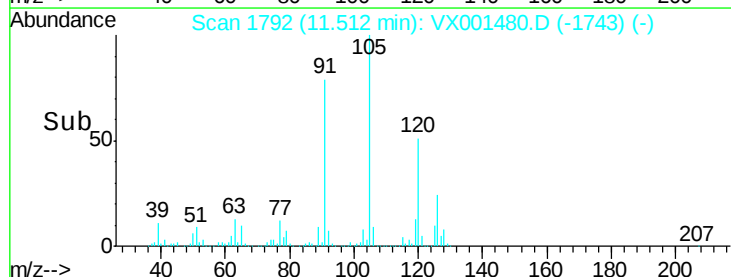
400000

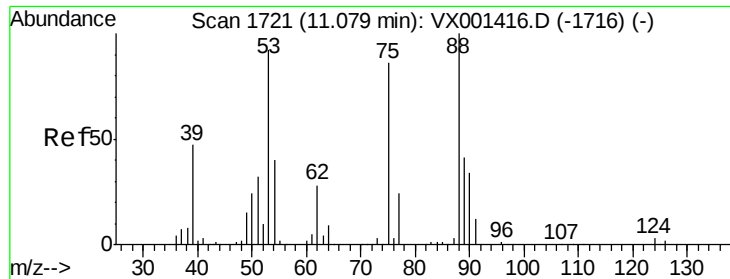
200000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 45.32 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Instrument :

MSVOA_X

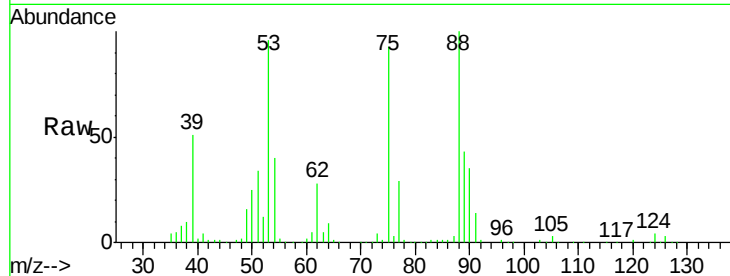
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.4	84.5	126.7
89	46.6	39.5	59.3

Manual Integrations
APPROVED

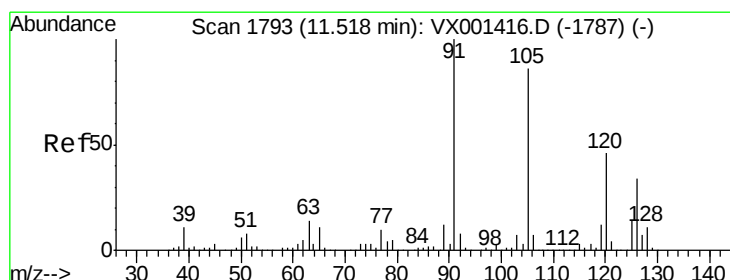
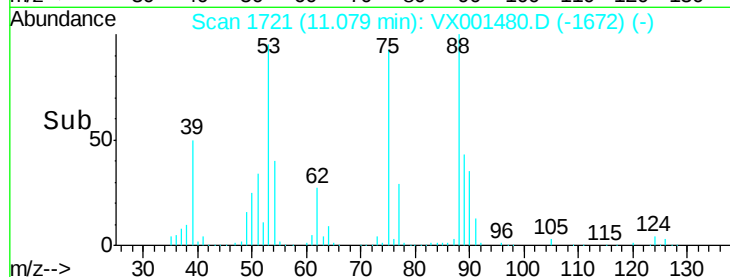
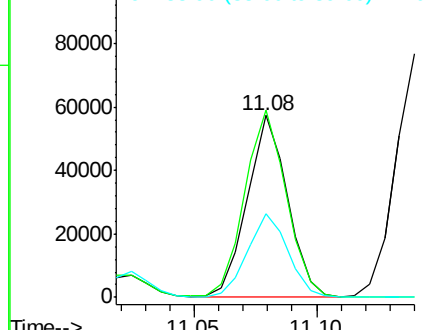
MMDadoda
5/9/2018 5:47:35 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 52.53 ug/l

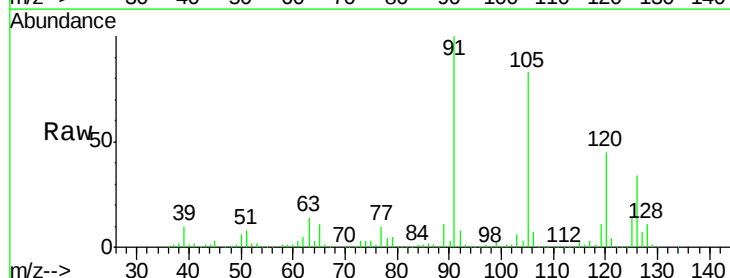
RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001480.D

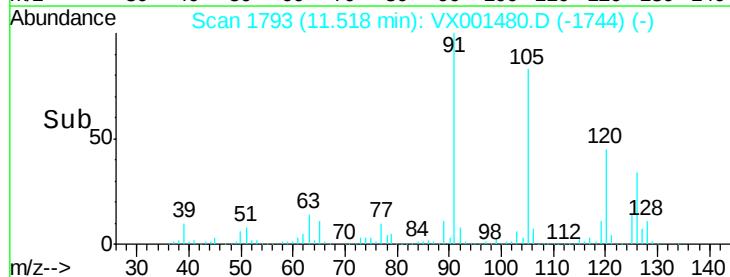
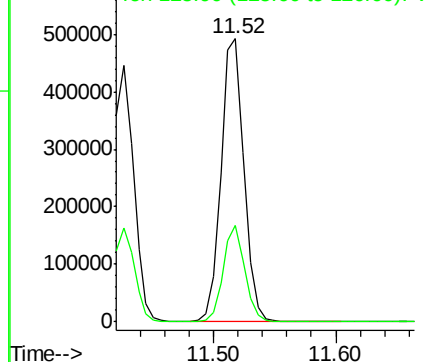
Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





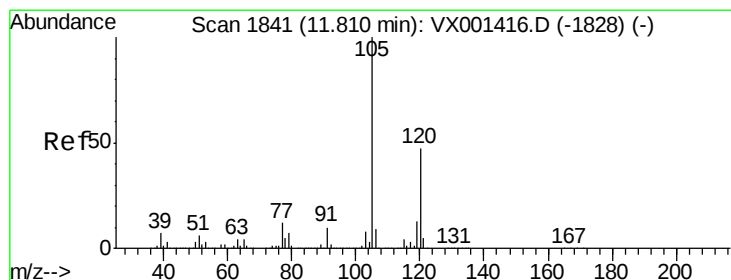
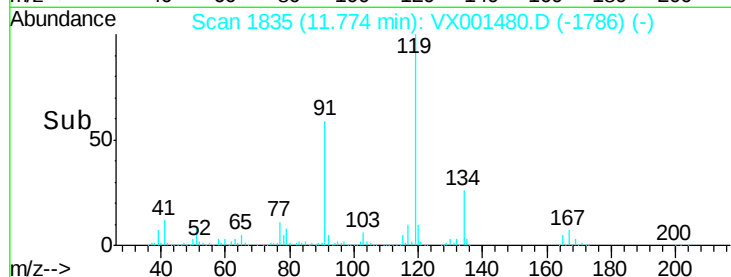
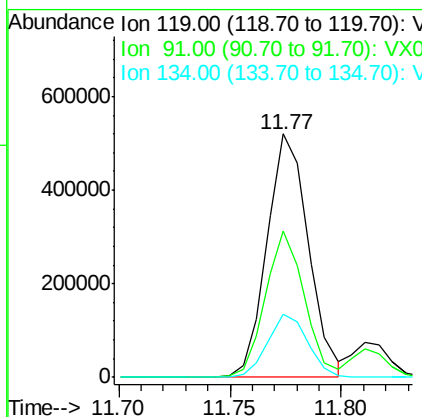
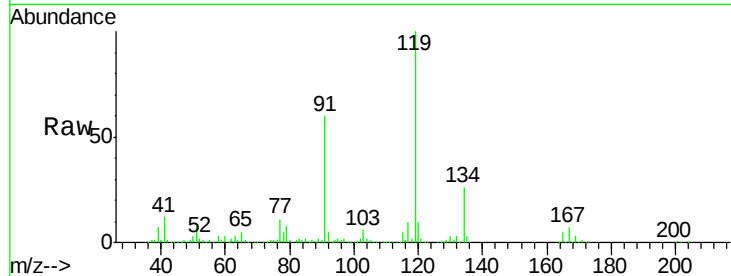
#83
 tert-Butylbenzene
 Concen: 51.42 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.8	27.8	83.3
134	25.2	12.4	37.0

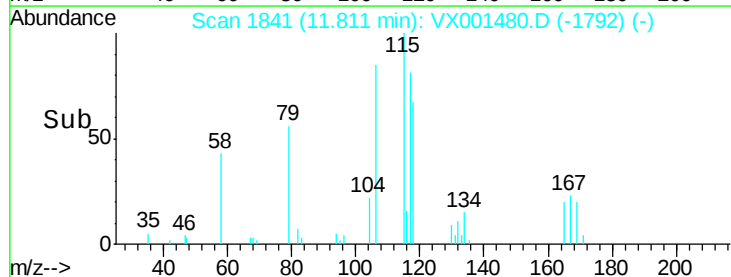
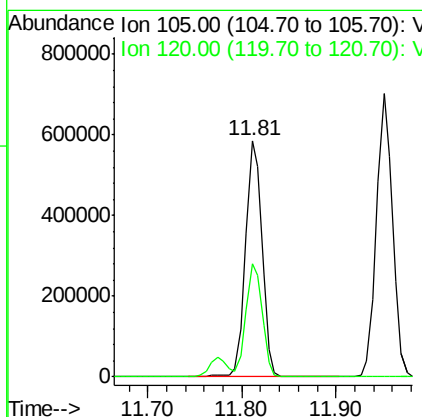
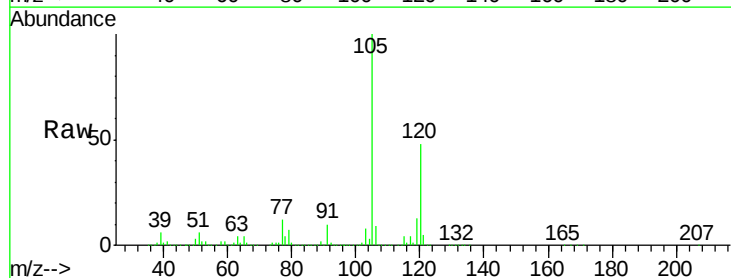
Manual Integrations
 APPROVED

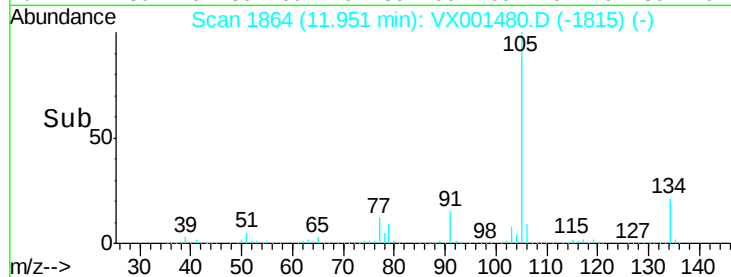
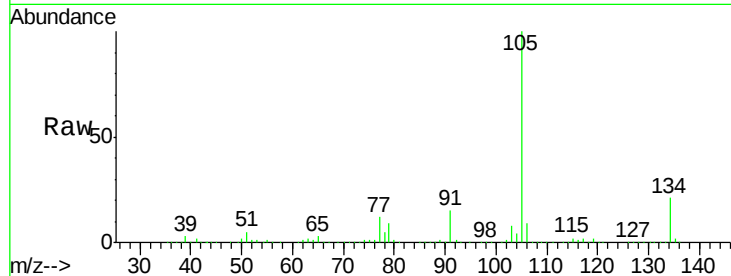
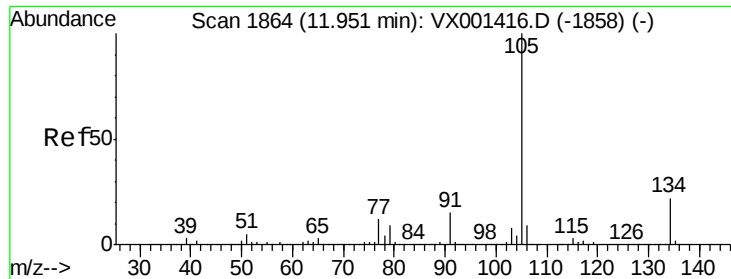
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.14 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.4	70.2





#85

sec-Butylbenzene

Concen: 53.17 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

Tot Ion:105 Resp: 834457

Ion Ratio Lower Upper

105 100

134 21.6 10.9 32.9

Instrument :

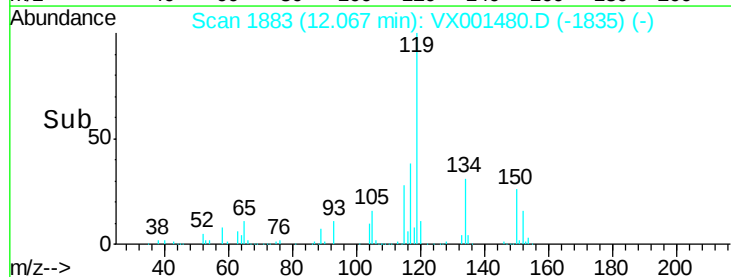
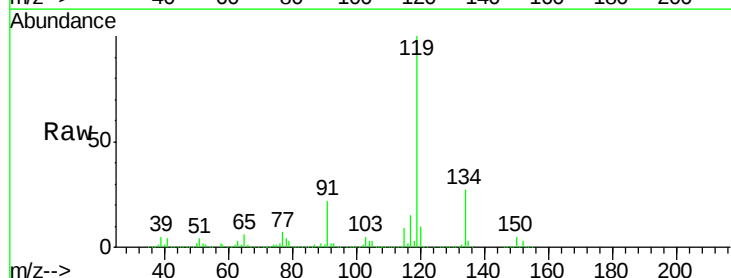
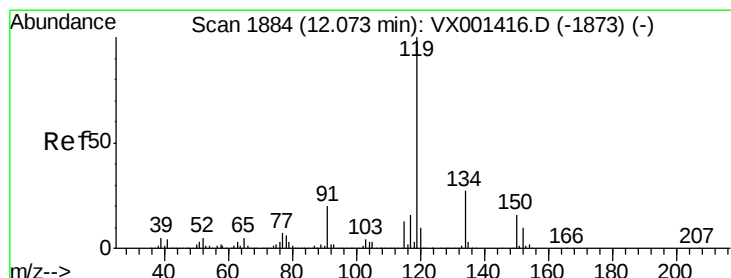
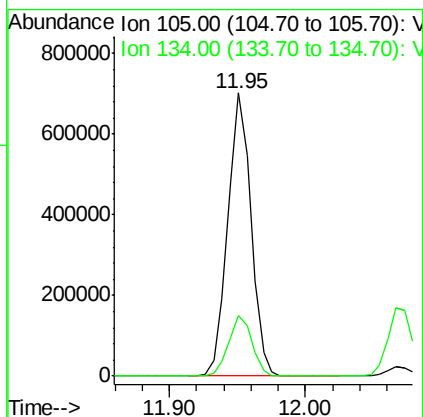
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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5/9/2018 5:47:35 PM



#86

p-Isopropyltoluene

Concen: 53.62 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001480.D

Acq: 07 May 2018 22:00

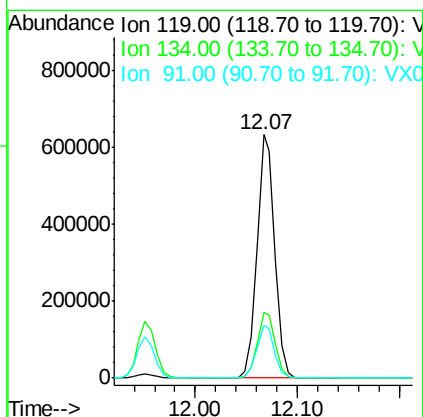
Tgt Ion:119 Resp: 772059

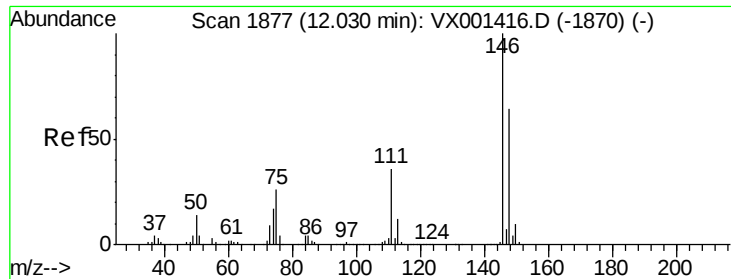
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 21.6 10.8 32.3





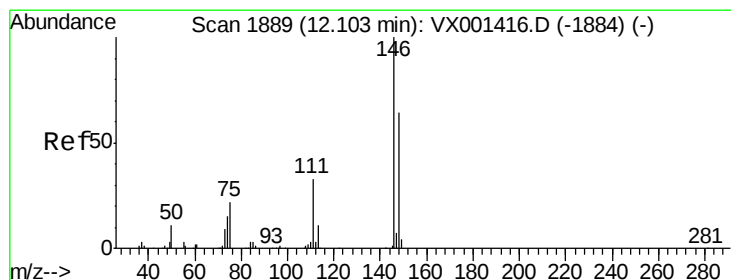
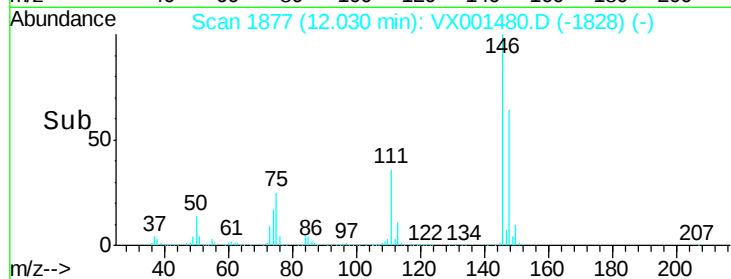
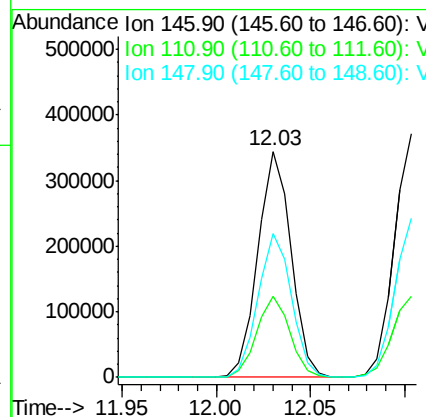
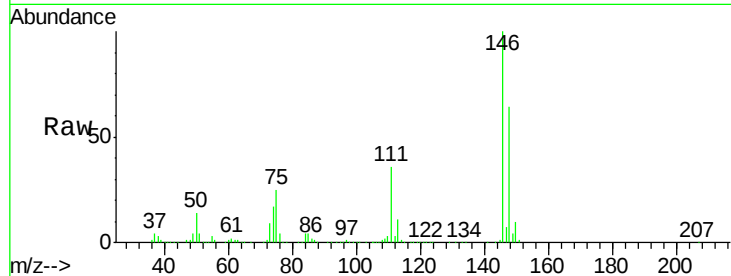
#87
 1,3-Dichlorobenzene
 Concen: 51.38 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.1
148	64.0	32.1	96.5

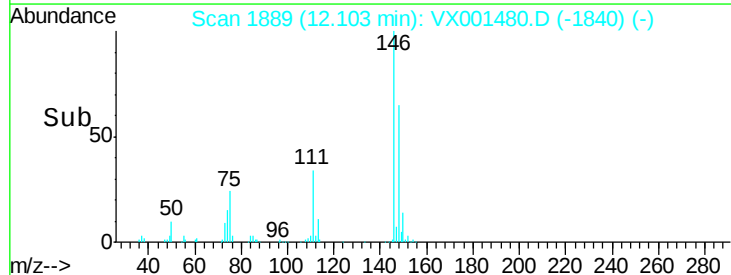
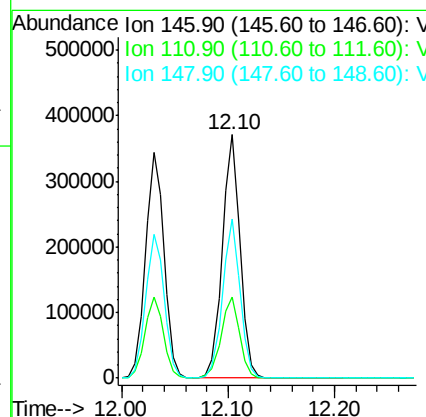
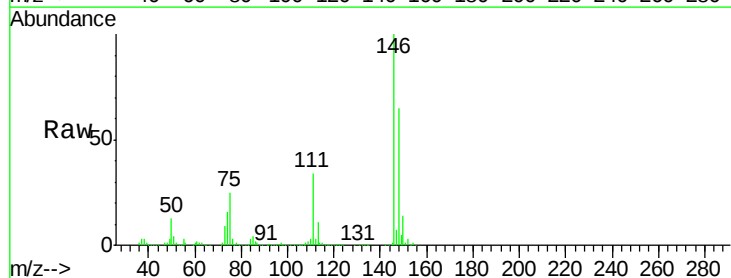
Manual Integrations
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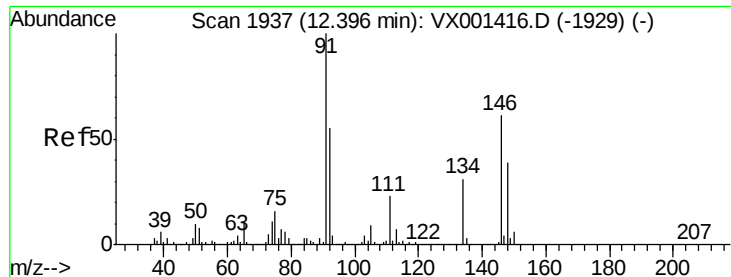
MMDadoda
 5/9/2018 5:47:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.27 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	17.4	52.3
148	64.6	32.2	96.6





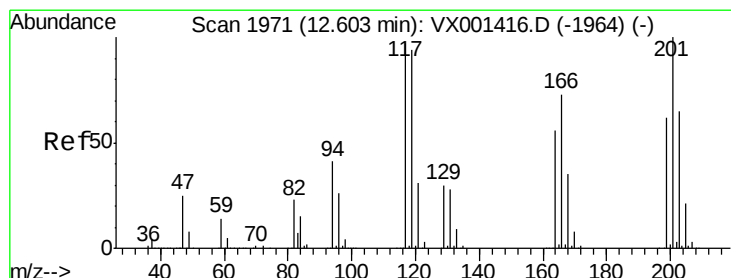
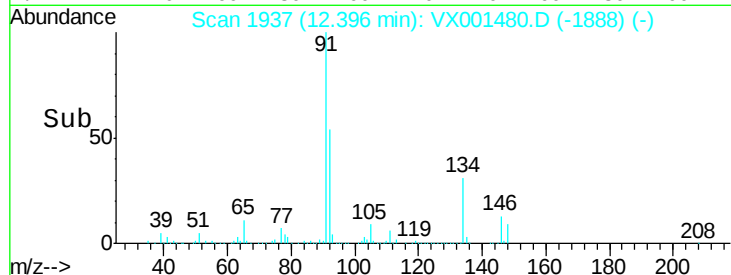
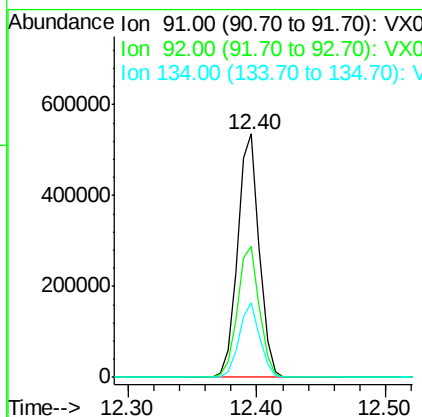
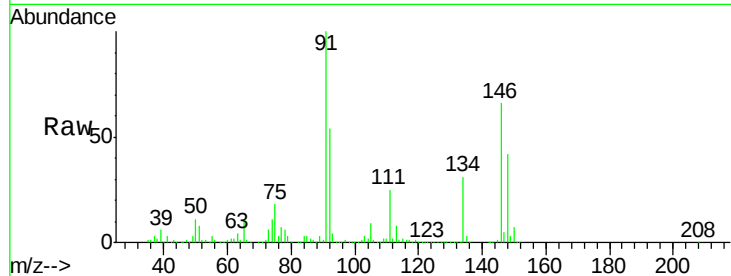
#89
n-Butylbenzene
Concen: 52.33 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.2	81.5
134	29.4	14.6	44.0

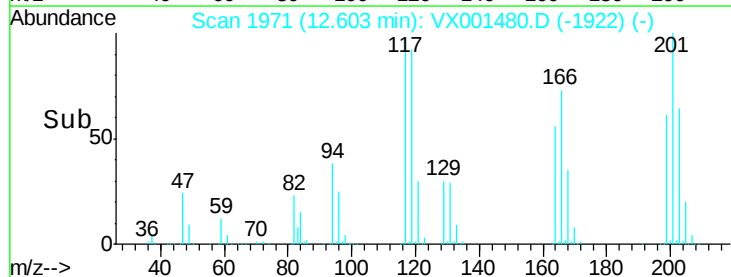
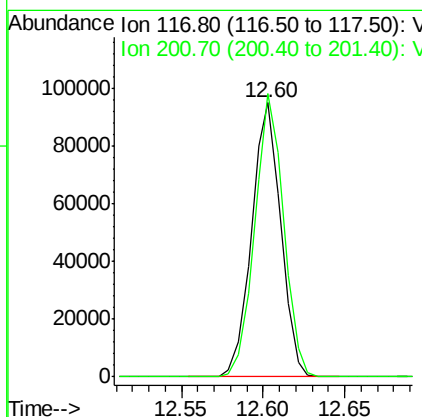
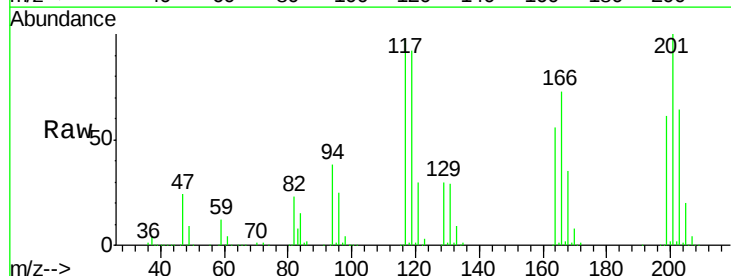
Manual Integrations
APPROVED

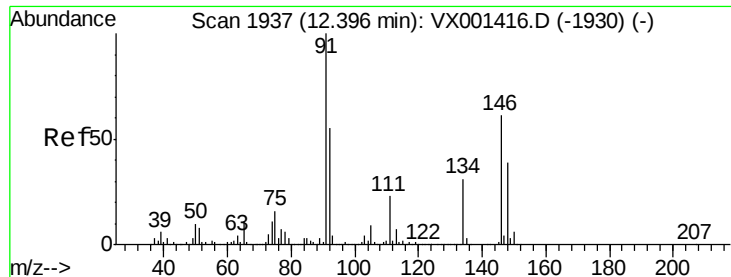
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5/9/2018 5:47:35 PM



#90
Hexachloroethane
Concen: 54.59 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.9	51.5	154.5





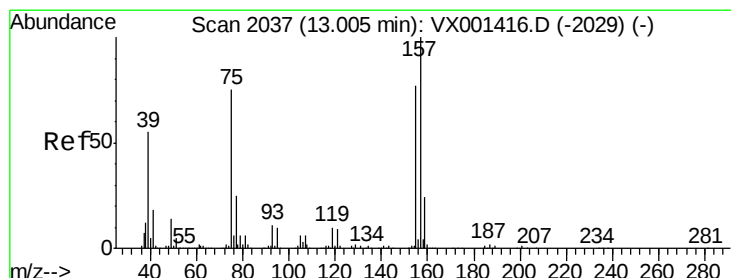
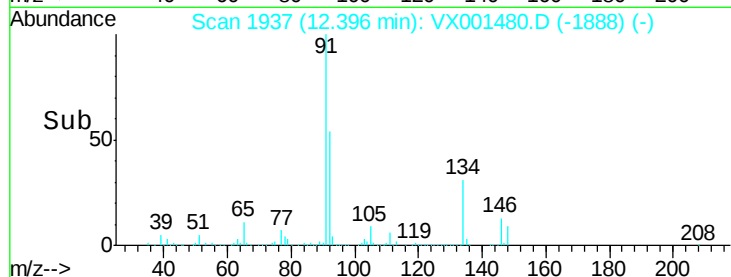
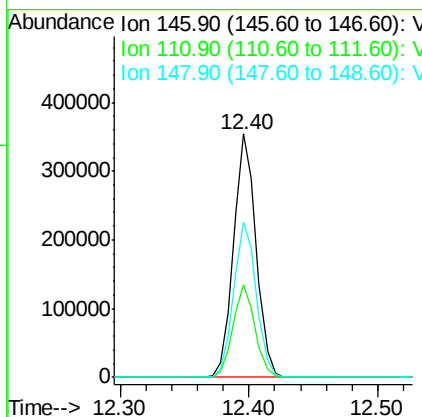
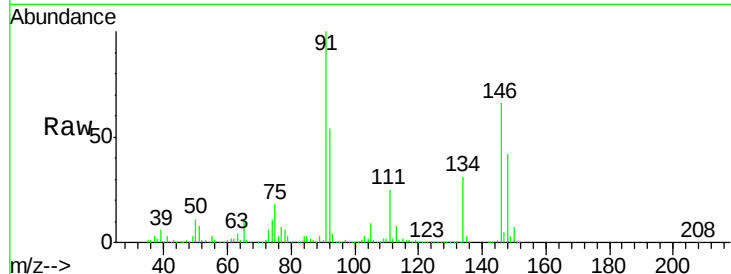
#91
 1,2-Dichlorobenzene
 Concen: 51.76 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	432004		
111	37.3	18.6	55.8	
148	64.5	32.1	96.5	

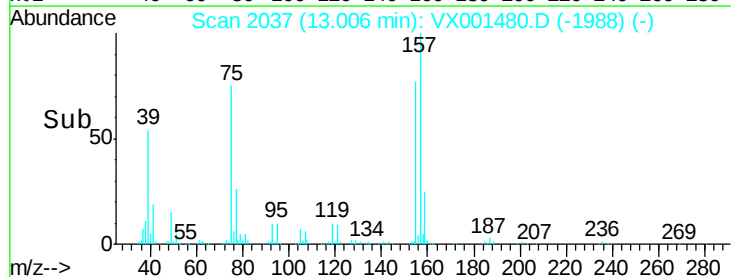
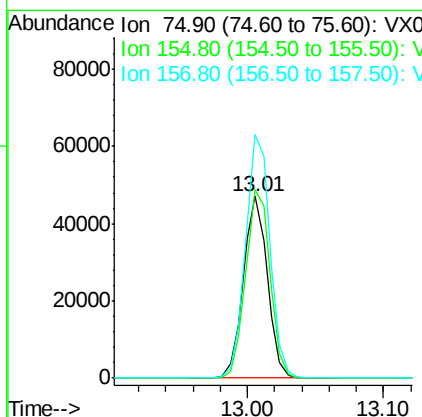
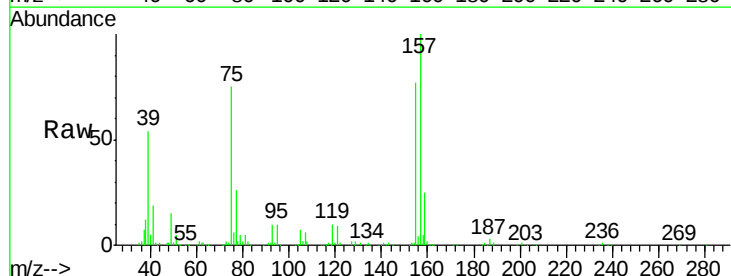
Manual Integrations
 APPROVED

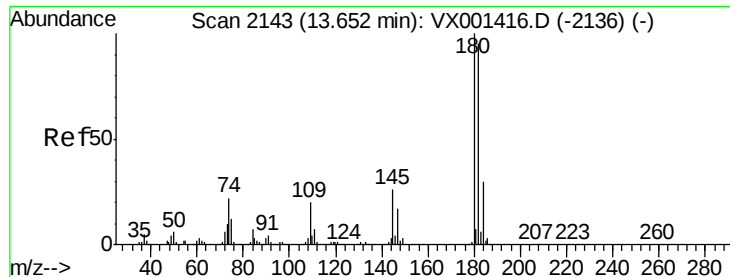
MMDadoda
 5/9/2018 5:47:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.65 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58022		
155	105.7	53.4	160.2	
157	136.6	68.3	204.8	





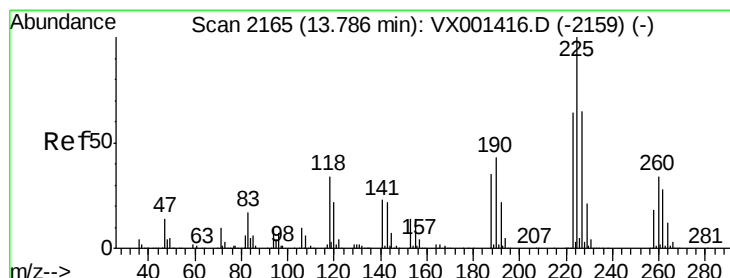
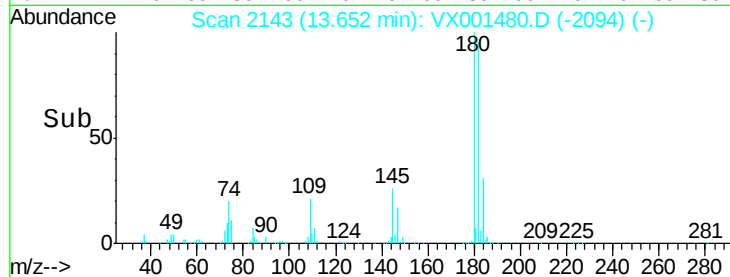
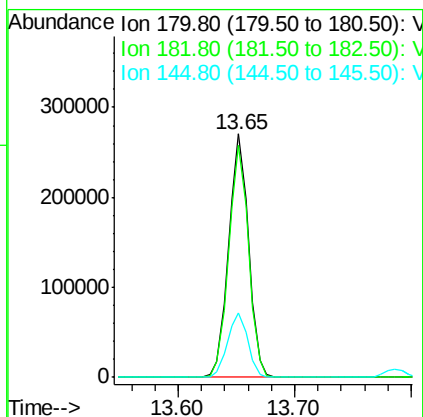
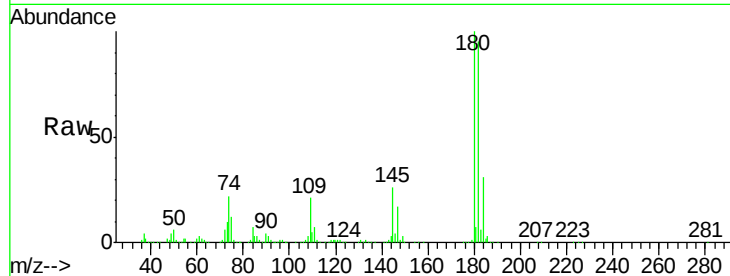
#93
 1,2,4-Trichlorobenzene
 Concen: 52.46 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	320360		
182	94.9	47.8	143.4	
145	26.8	13.3	39.9	

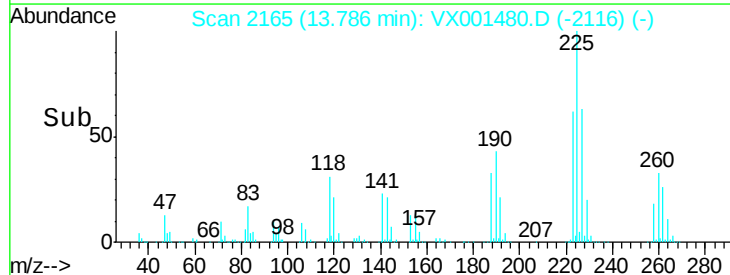
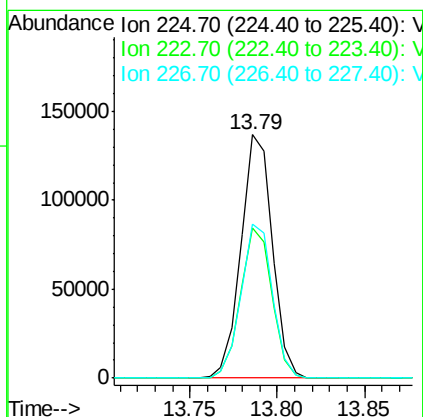
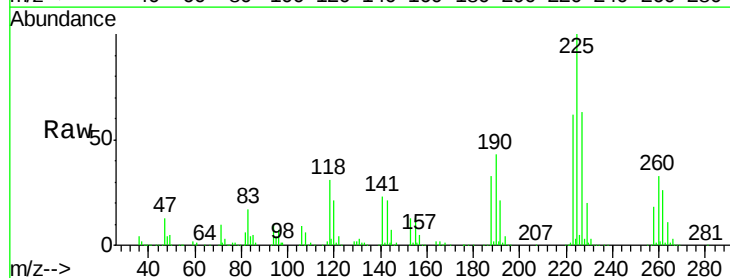
Manual Integrations
 APPROVED

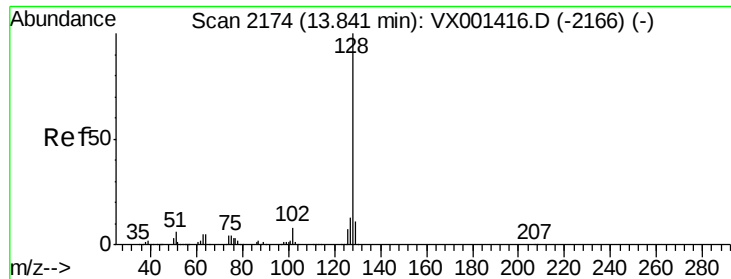
MMDadoda
 5/9/2018 5:47:35 PM



#94
 Hexachlorobutadiene
 Concen: 50.93 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001480.D
 Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	170175		
223	61.9	31.3	93.9	
227	63.7	32.4	97.2	





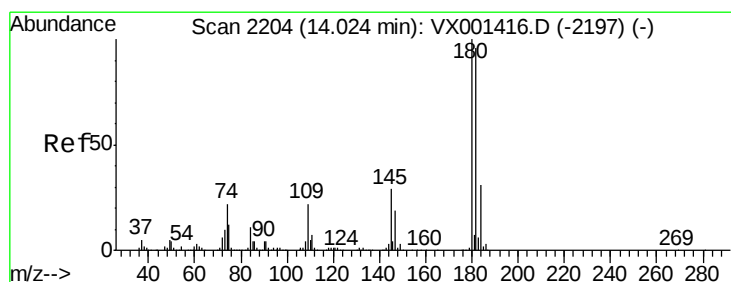
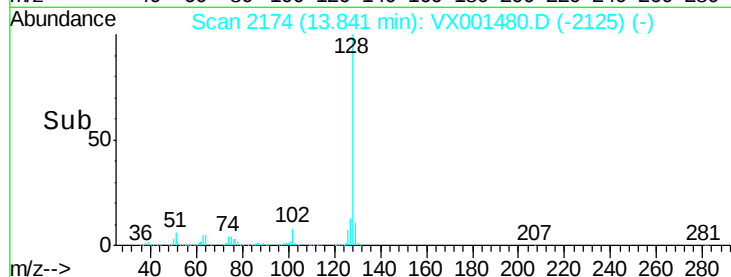
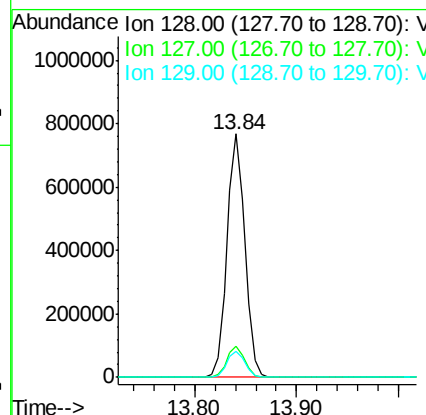
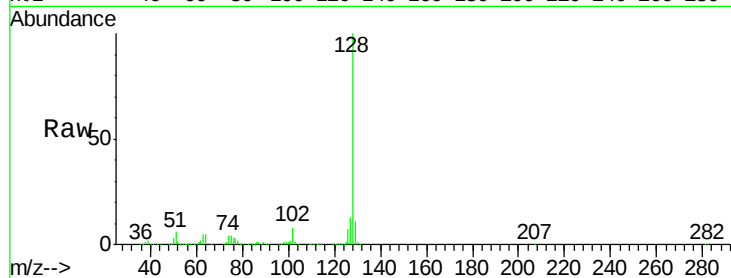
#95
Naphthalene
Concen: 55.41 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/9/2018 5:47:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.02 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001480.D
Acq: 07 May 2018 22:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.0	144.2
145	28.7	14.1	42.4

