

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050918\
 Data File : VX001571.D
 Acq On : 09 May 2018 22:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:52:00 PM

Quant Time: May 10 05:05:39 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	231208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	302692	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	212813	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160991	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
35) Dibromofluoromethane	5.51	113	132116	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	8.72	98	468651	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
62) 4-Bromofluorobenzene	11.14	95	180666	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	151675	48.73	ug/l	99
3) Chloromethane	1.32	50	138339	45.64	ug/l	99
4) Vinyl Chloride	1.40	62	149894	47.38	ug/l	100
5) Bromomethane	1.64	94	46169	30.54	ug/l	100
6) Chloroethane	1.72	64	109199	52.22	ug/l	99
7) Trichlorofluoromethane	1.92	101	244330	51.32	ug/l	99
8) Diethyl Ether	2.19	74	96077	51.49	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	141603	50.73	ug/l	99
10) Methyl Iodide	2.51	142	107915	26.79	ug/l	99
11) Tert butyl alcohol	3.09	59	185899	265.32	ug/l	99
12) 1,1-Dichloroethene	2.37	96	130164	50.88	ug/l	99
13) Acrolein	2.30	56	30502	219.41	ug/l	95
14) Allyl chloride	2.73	41	245419	51.45	ug/l	99
15) Acrylonitrile	3.15	53	419623	265.03	ug/l	100
16) Acetone	2.45	43	378370	250.74	ug/l	100
17) Carbon Disulfide	2.57	76	315800	48.50	ug/l	100
18) Methyl Acetate	2.78	43	226415	57.11	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	469603	52.72	ug/l	100
20) Methylene Chloride	2.86	84	148806	49.81	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	139469	48.85	ug/l	97
22) Diisopropyl ether	3.88	45	462525	51.90	ug/l	99
23) Vinyl Acetate	3.83	43	1933628	260.32	ug/l	100
24) 1,1-Dichloroethane	3.70	63	265521	53.33	ug/l	99
25) 2-Butanone	4.72	43	569987	261.31	ug/l	99
26) 2,2-Dichloropropane	4.59	77	163327	42.48	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	154821	50.91	ug/l	95
28) Bromochloromethane	5.03	49	115336	53.43	ug/l	97
29) Tetrahydrofuran	5.18	42	369436	264.71	ug/l	100
30) Chloroform	5.22	83	274219	53.47	ug/l	98
31) Cyclohexane	5.58	56	215196	50.33	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	242071	54.01	ug/l	100
36) 1,1-Dichloropropene	5.80	75	189960	49.34	ug/l	99
37) Ethyl Acetate	4.87	43	219539	52.01	ug/l	99
38) Carbon Tetrachloride	5.79	117	219350	53.42	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	227031	49.87	ug/l	99
40) Benzene	6.15	78	582787	51.82	ug/l	99
41) Methacrylonitrile	5.07	41	126086	52.21	ug/l	99
42) 1,2-Dichloroethane	6.20	62	228706	52.91	ug/l	99
43) Isopropyl Acetate	6.48	43	347221	53.59	ug/l	100
44) Trichloroethene	7.22	130	175432	51.04	ug/l	98
45) 1,2-Dichloropropane	7.52	63	145149	51.77	ug/l	98
46) Dibromomethane	7.67	93	102823	51.80	ug/l	100
47) Bromodichloromethane	7.90	83	203108	55.29	ug/l	99
48) Methyl methacrylate	7.79	41	189066	53.59	ug/l	100
49) 1,4-Dioxane	7.77	88	79212	1039.21	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	1183730	274.93	ug/l	99
52) Toluene	8.79	92	387656	52.72	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	225288	54.27	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	203763	47.59	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	156187	52.72	ug/l	99
56) Ethyl methacrylate	9.19	69	228851	53.59	ug/l	99
57) 1,3-Dichloropropane	9.38	76	256893	52.44	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	612423	292.38	ug/l	99
59) 2-Hexanone	9.51	43	892874	270.81	ug/l	100
60) Dibromochloromethane	9.59	129	171444	56.51	ug/l	99
61) 1,2-Dibromoethane	9.68	107	165684	53.26	ug/l	99
64) Tetrachloroethene	9.34	164	212909	51.66	ug/l	99
65) Chlorobenzene	10.15	112	439870	50.72	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	166695	53.74	ug/l	99
67) Ethyl Benzene	10.26	91	731042	51.43	ug/l	99
68) m/p-Xylenes	10.37	106	584216	104.02	ug/l	99
69) o-Xylene	10.71	106	284661	52.15	ug/l	99
70) Styrene	10.72	104	471629	53.19	ug/l	100
71) Bromoform	10.87	173	140458	47.29	ug/l	100
73) Isopropylbenzene	11.02	105	760765	51.64	ug/l	100
74) N-amyl acetate	6.48	43	347221	51.89	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	227495	52.28	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	223080m	51.69	ug/l	
77) Bromobenzene	11.26	156	216657	50.58	ug/l	99
78) n-propylbenzene	11.37	91	838622	52.27	ug/l	100
79) 2-Chlorotoluene	11.43	91	507554	51.41	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	640283	52.20	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	57606	43.19	ug/l	98
82) 4-Chlorotoluene	11.52	91	589611	51.77	ug/l	99
83) tert-Butylbenzene	11.77	119	637502	52.23	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	661086	52.44	ug/l	100
85) sec-Butylbenzene	11.95	105	772486	52.73	ug/l	99
86) p-Isopropyltoluene	12.07	119	708324	52.71	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	389448	50.86	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	389763	49.91	ug/l	100
89) n-Butylbenzene	12.40	91	573102	51.47	ug/l	99
90) Hexachloroethane	12.60	117	108885	53.81	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	398929	51.21	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52996	55.44	ug/l	99

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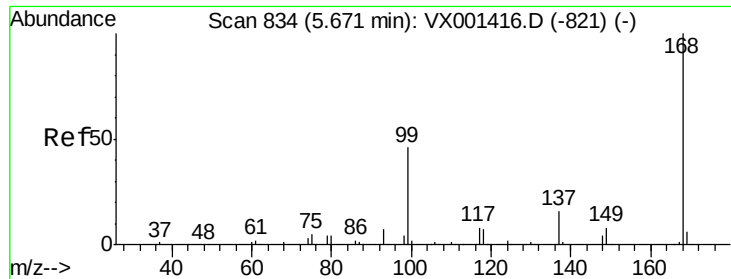
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	291549	51.15	ug/l	100
94) Hexachlorobutadiene	13.79	225	154180	49.43	ug/l	100
95) Naphthalene	13.84	128	863486	54.77	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	302824	51.77	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 231208

Ion Ratio Lower Upper

168 100

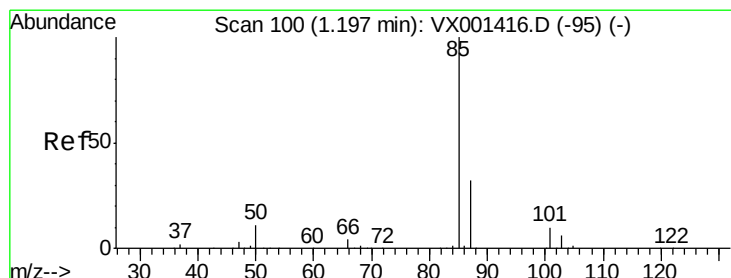
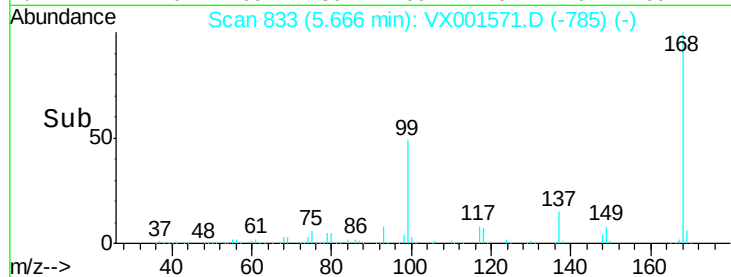
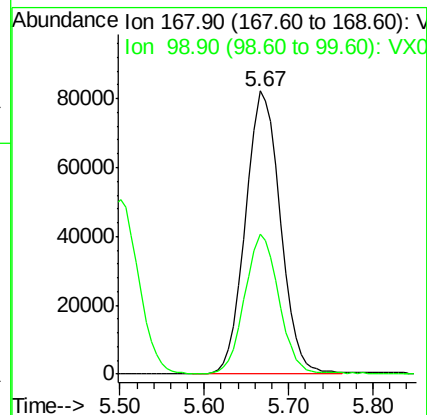
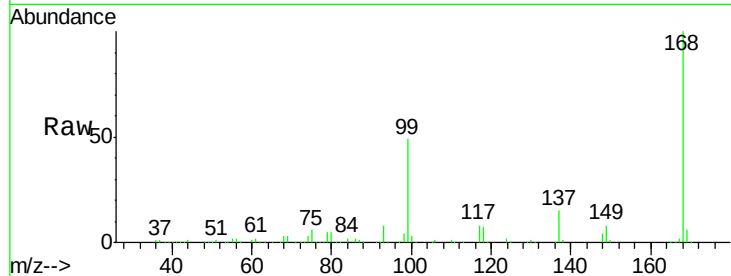
99 49.1 36.6 54.8

Manual Integrations

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5/10/2018 1:52:00 PM



#2

Dichlorodifluoromethane

Concen: 48.73 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001571.D

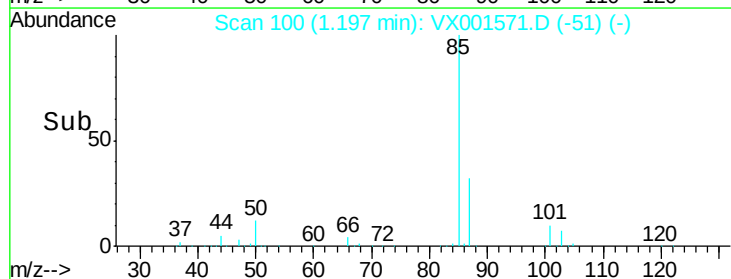
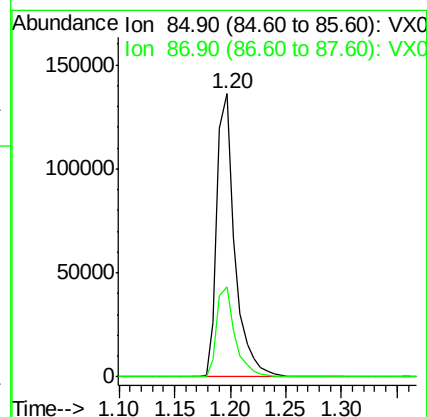
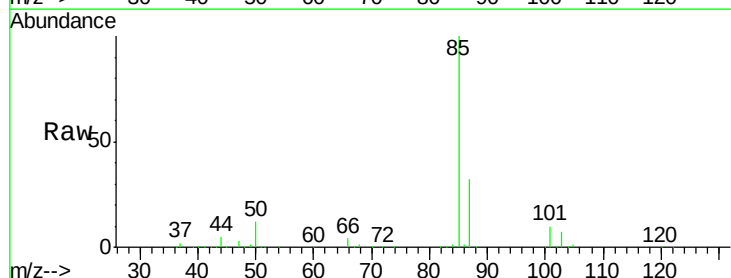
Acq: 09 May 2018 22:27

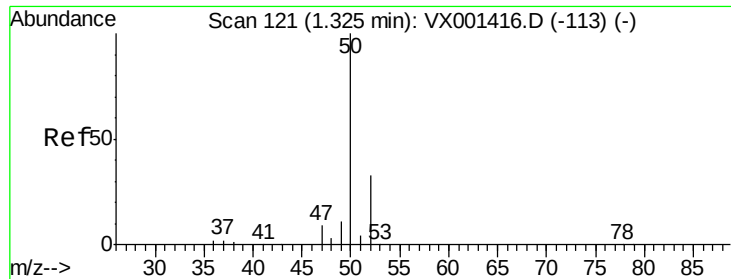
Tgt Ion: 85 Resp: 151675

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6





#3

Chloromethane

Concen: 45.64 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 138339

Ion Ratio Lower Upper

50 100

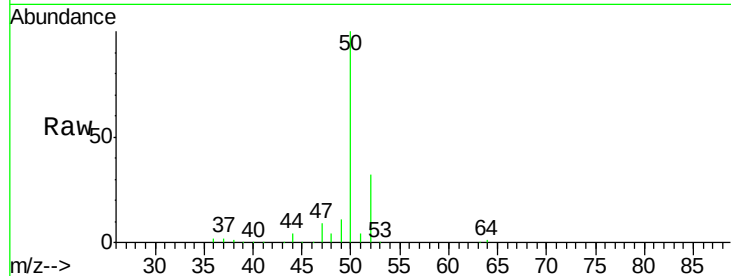
52 32.5 26.2 39.4

Manual Integrations

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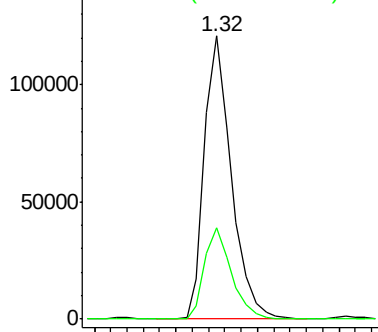
MMDadoda

5/10/2018 1:52:00 PM

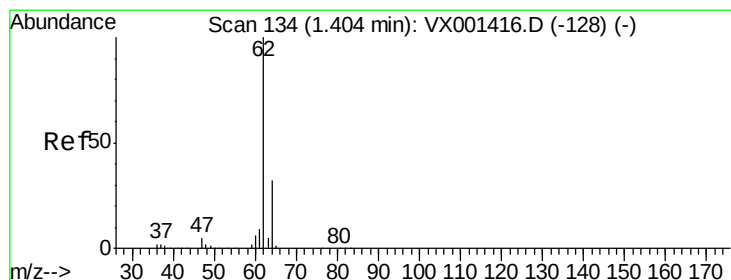
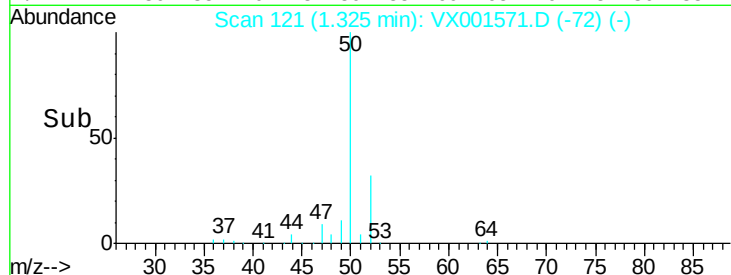


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 47.38 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001571.D

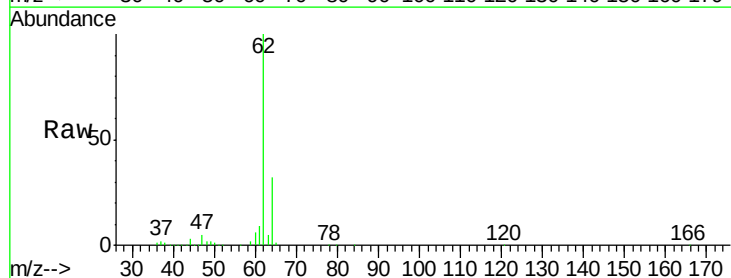
Acq: 09 May 2018 22:27

Tgt Ion: 62 Resp: 149894

Ion Ratio Lower Upper

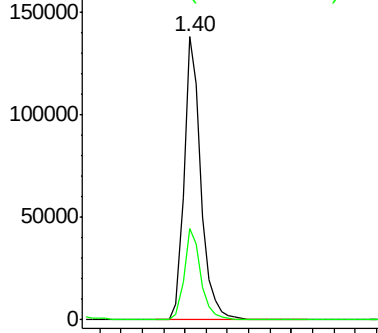
62 100

64 32.0 25.8 38.6

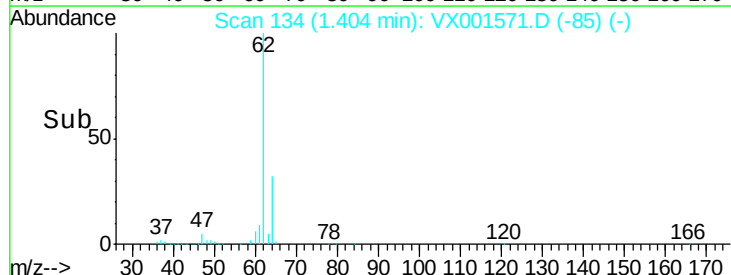


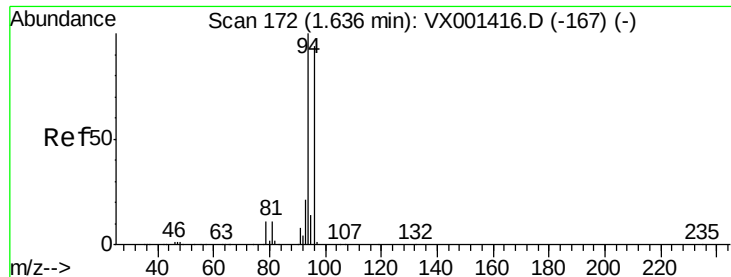
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 30.54 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 46169

Ion Ratio Lower Upper

94 100

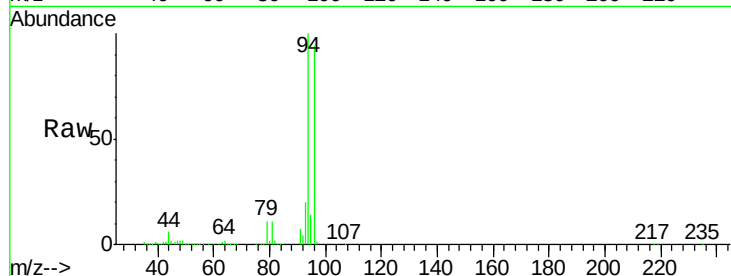
96 94.0 75.0 112.6

Manual Integrations

APPROVED

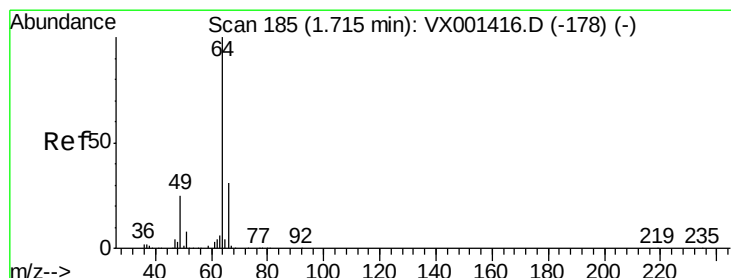
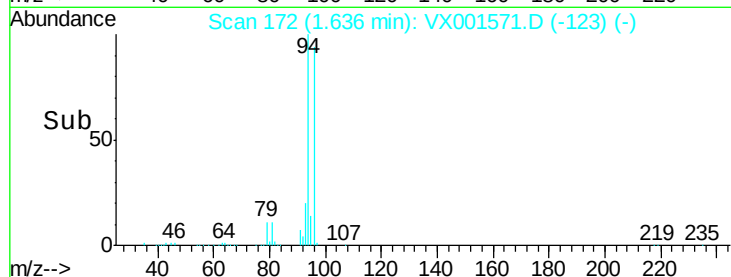
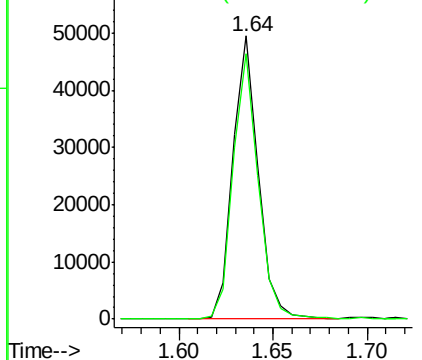
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5/10/2018 1:52:00 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.22 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001571.D

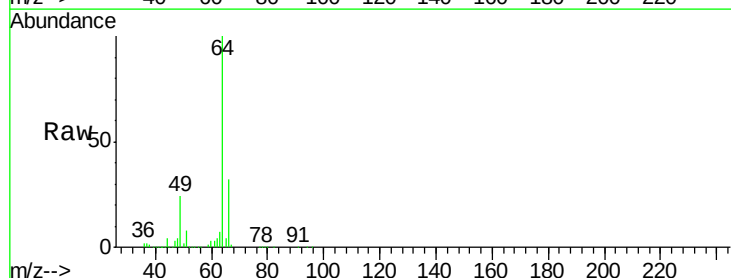
Acq: 09 May 2018 22:27

Tgt Ion: 64 Resp: 109199

Ion Ratio Lower Upper

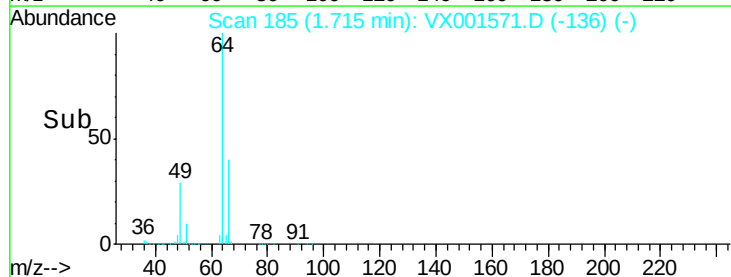
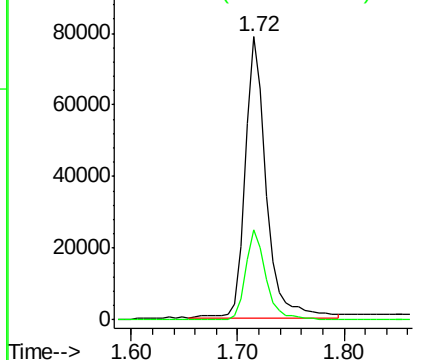
64 100

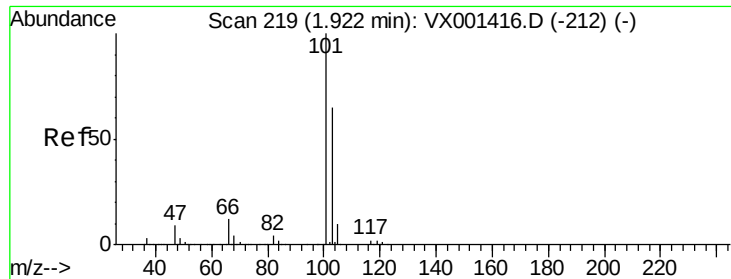
66 32.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

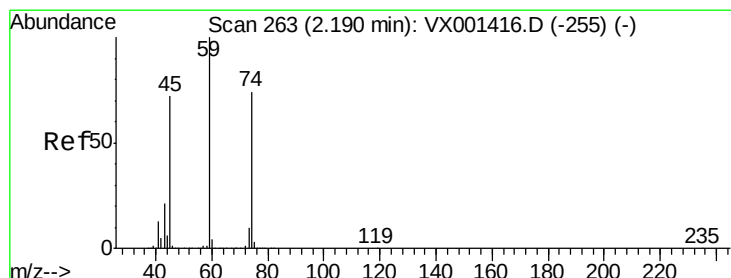
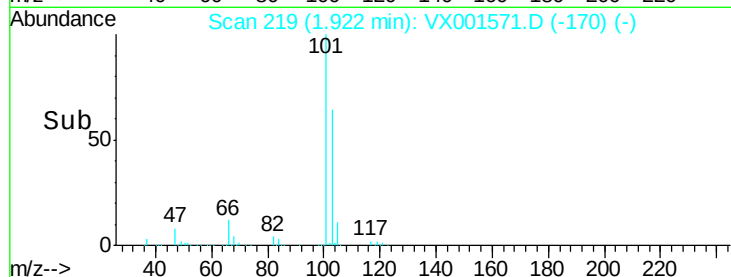
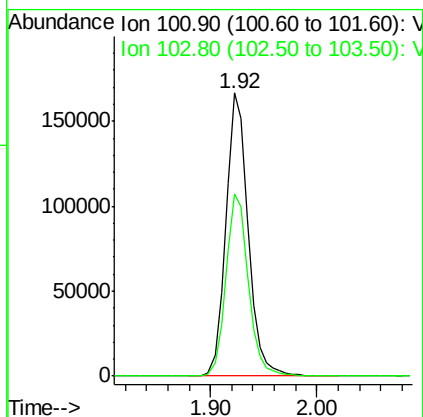
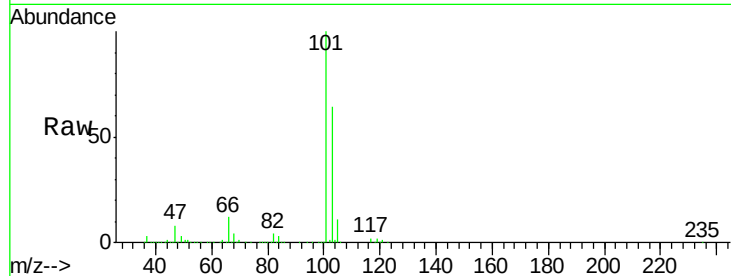
Trichlorofluoromethane
Concen: 51.32 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.0	78.0

Manual Integrations
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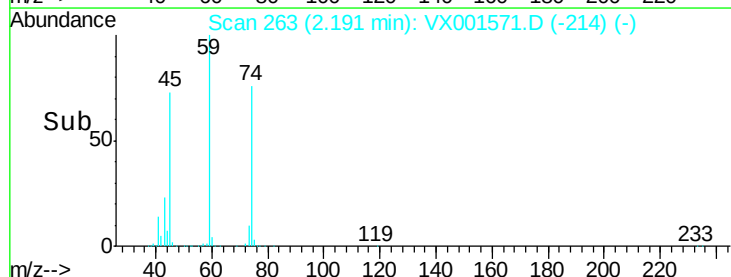
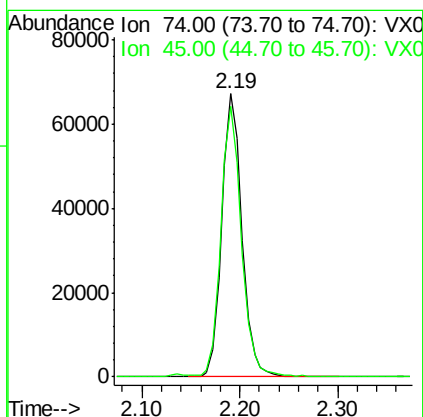
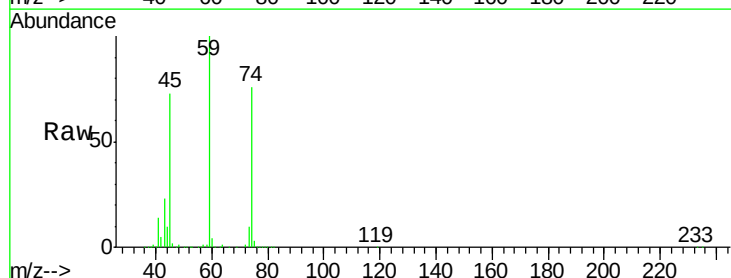
MMDadoda
5/10/2018 1:52:00 PM

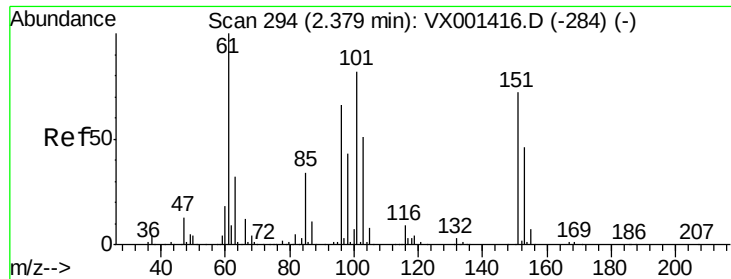


#8

Diethyl Ether
Concen: 51.49 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.73 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

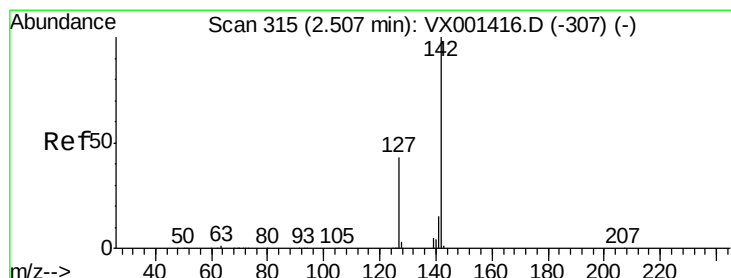
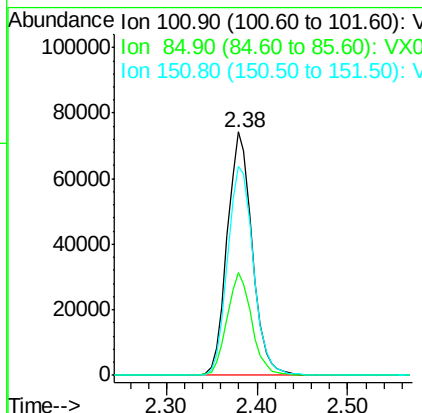
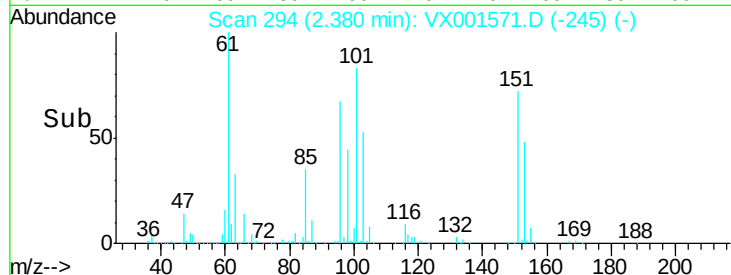
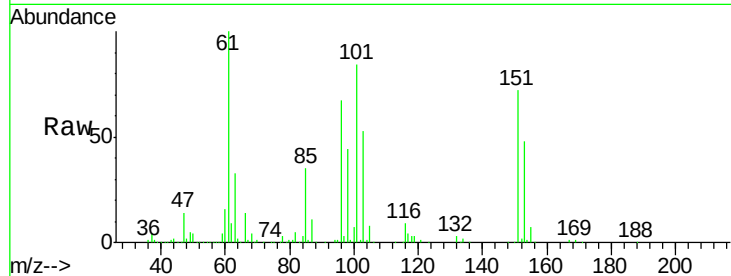
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	141603
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.7	50.5
151	89.2	72.3	108.5

Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:52:00 PM



#10

Methyl Iodide

Concen: 26.79 ug/l

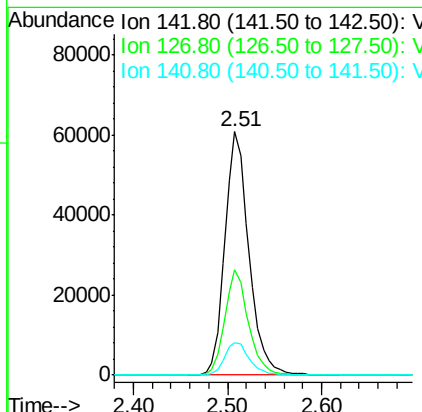
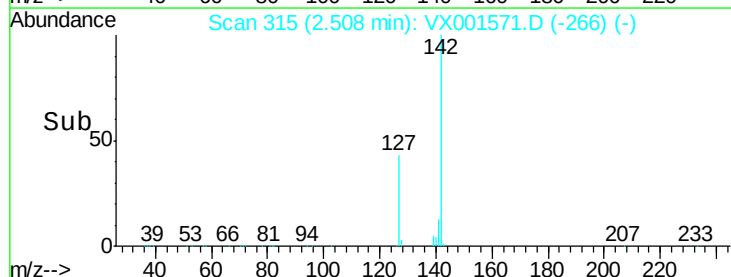
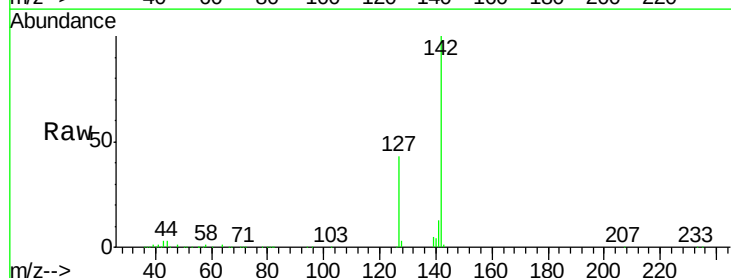
RT: 2.51 min Scan# 315

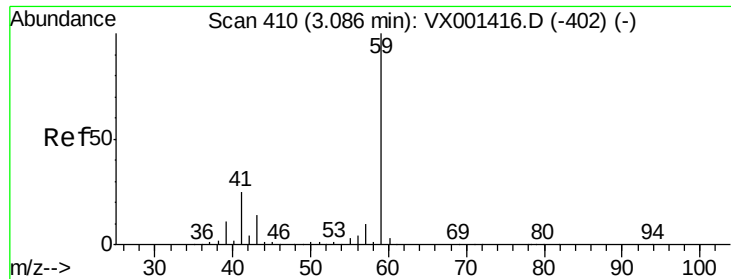
Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Tgt Ion:	142	Resp:	107915
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.6	50.4
141	14.0	11.4	17.2





#11

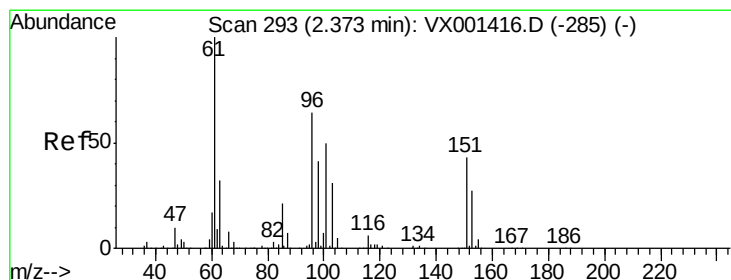
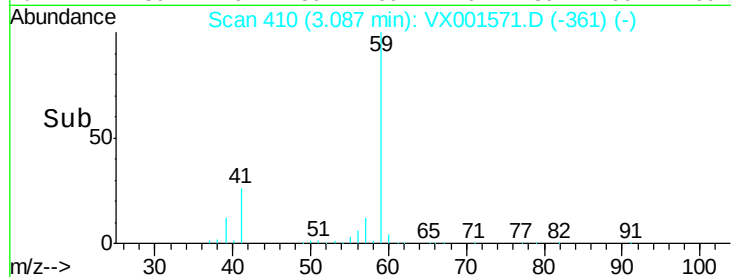
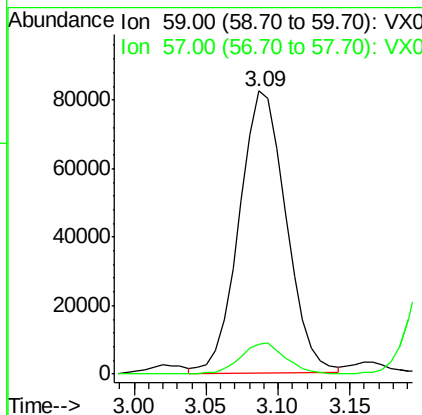
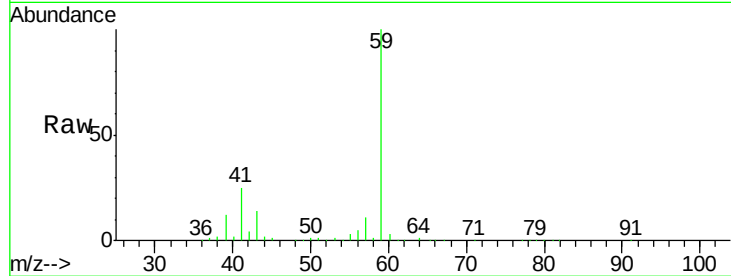
Tert butyl alcohol
Concen: 265.32 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	185899
Ion Ratio	100	Lower	Upper
57	10.7	8.2	12.4

Manual Integrations
APPROVED

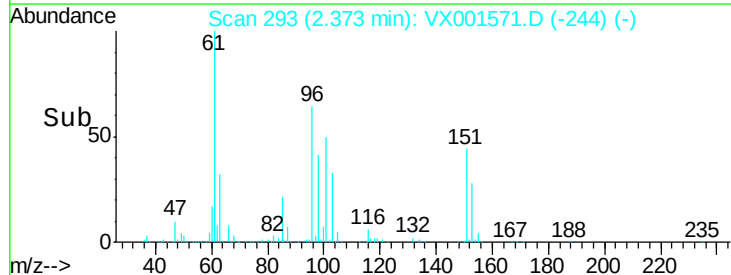
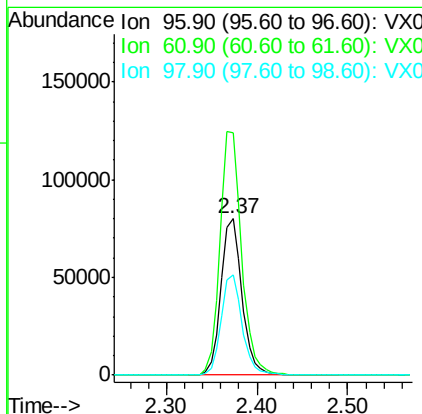
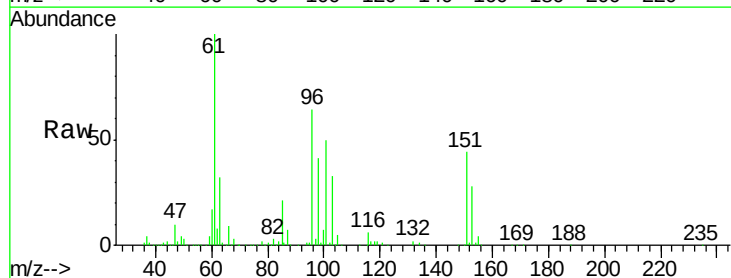
MMDadoda
5/10/2018 1:52:00 PM

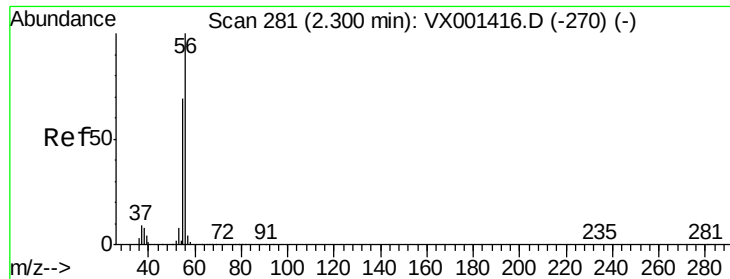


#12

1,1-Dichloroethene
Concen: 50.88 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	96	Resp	130164
Ion Ratio	100	Lower	Upper
61	155.1	125.7	188.5
98	64.1	52.0	78.0





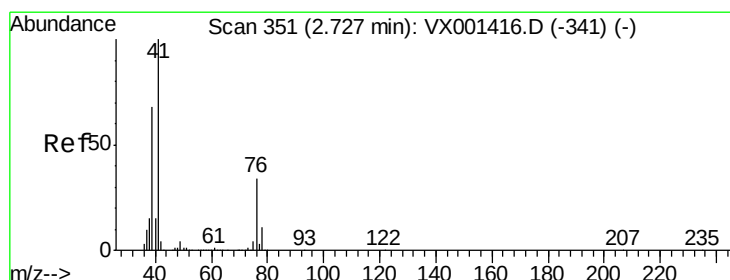
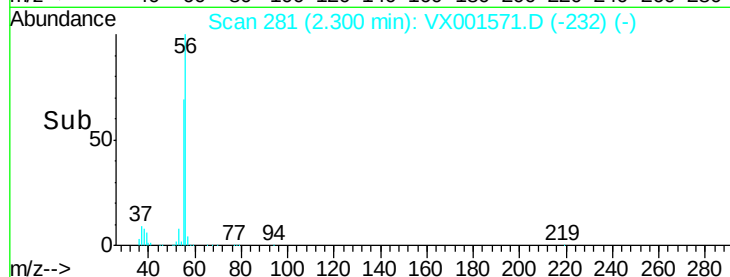
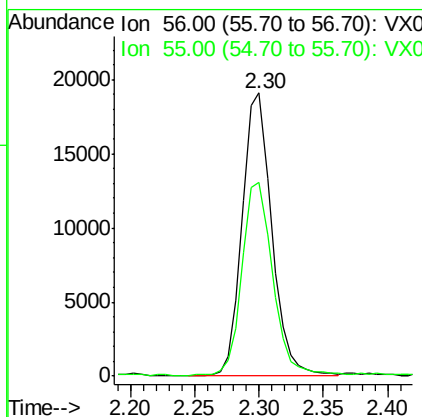
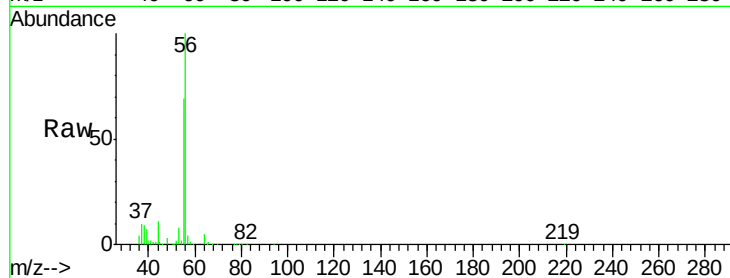
#13
Acrolein
Concen: 219.41 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.0	54.5	81.7

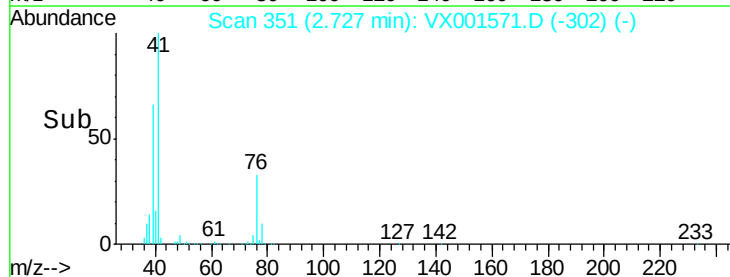
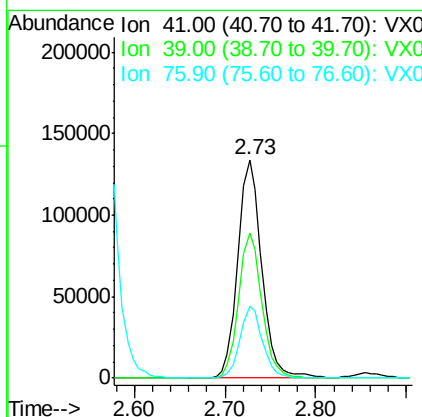
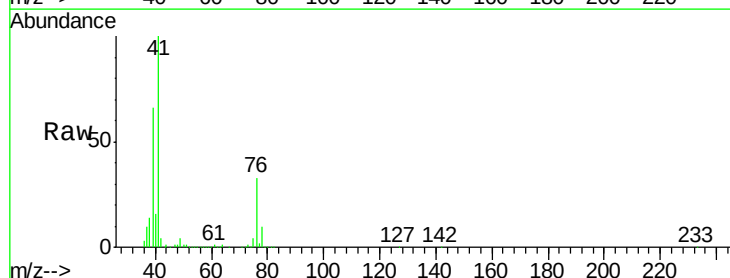
Manual Integrations
APPROVED

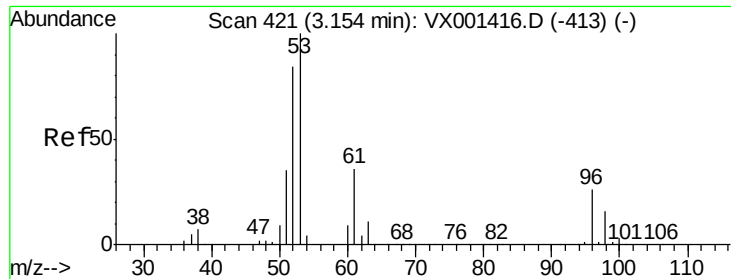
MMDadoda
5/10/2018 1:52:00 PM



#14
Allyl chloride
Concen: 51.45 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.5	52.4	78.6
76	31.4	25.8	38.6





#15

Acrylonitrile

Concen: 265.03 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

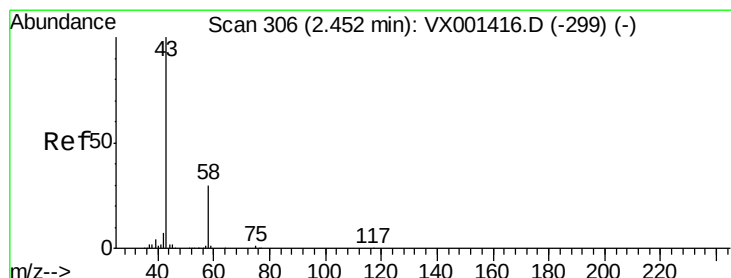
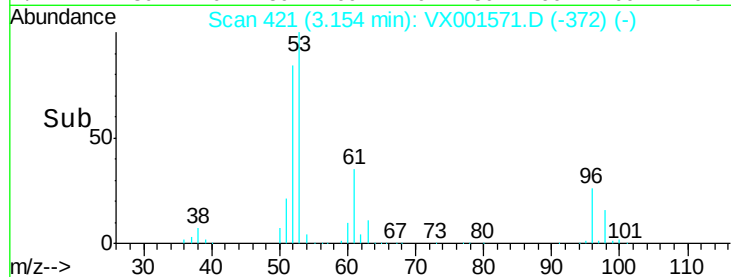
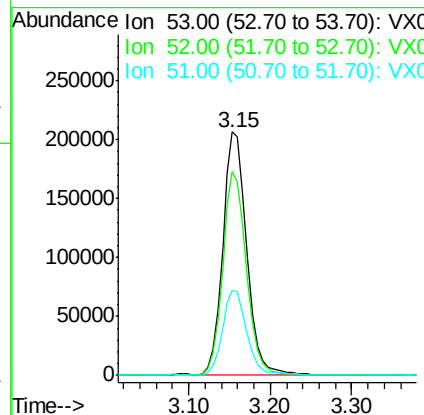
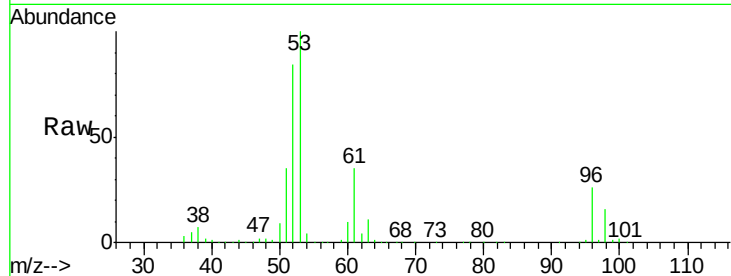
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	419623
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.2	99.2
51	35.9	28.6	43.0

Manual Integrations
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MMDadoda
5/10/2018 1:52:00 PM



#16

Acetone

Concen: 250.74 ug/l

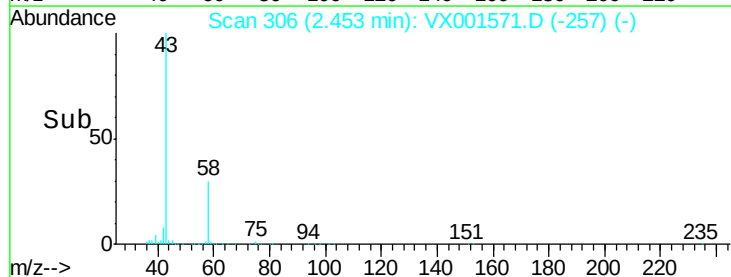
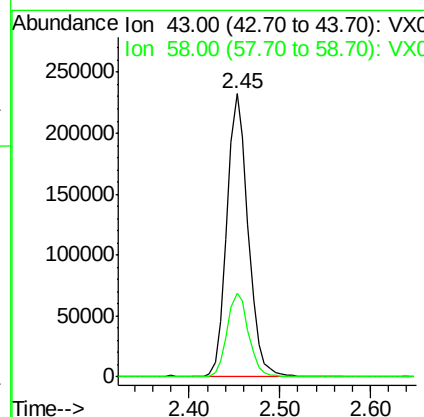
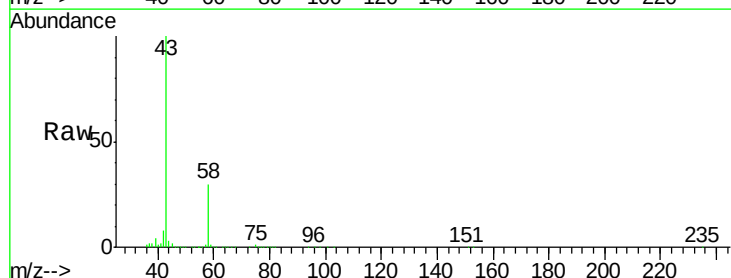
RT: 2.45 min Scan# 306

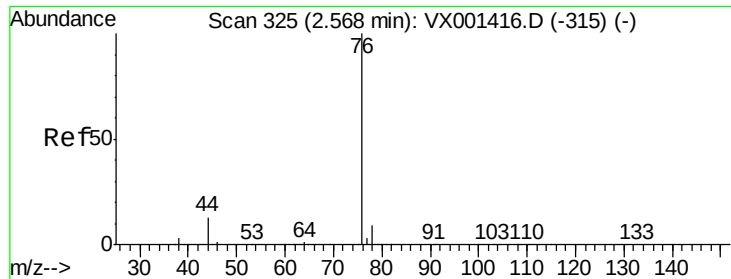
Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Tgt Ion:	43	Resp:	378370
Ion Ratio	Lower	Upper	
43	100		
58	29.8	23.8	35.8





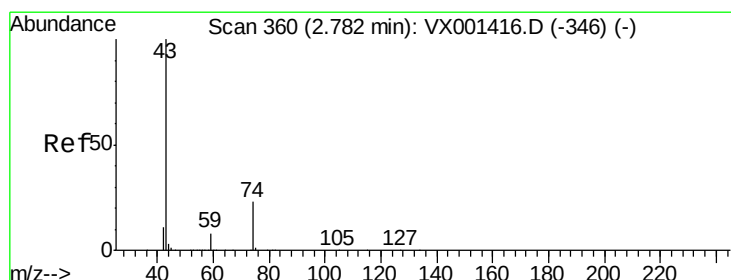
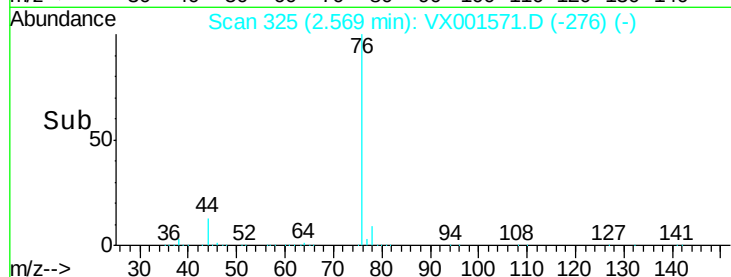
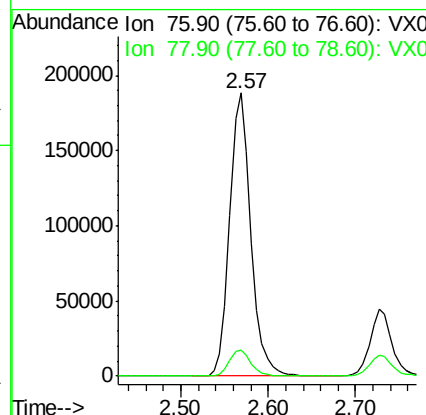
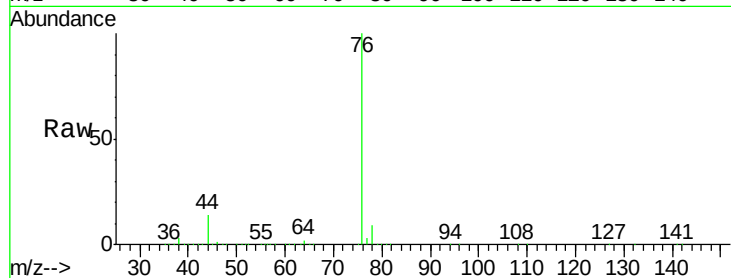
#17
Carbon Disulfide
Concen: 48.50 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

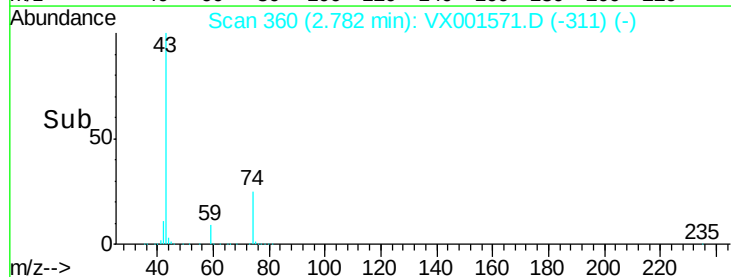
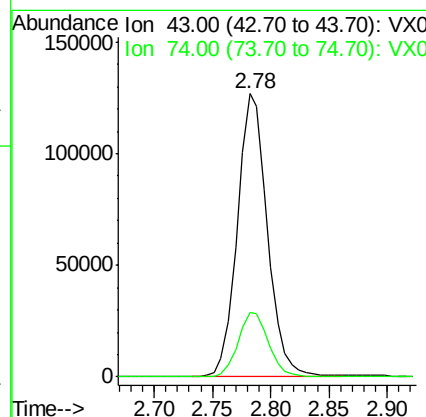
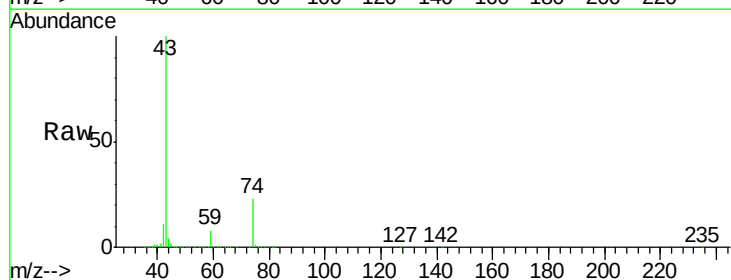
Manual Integrations
APPROVED

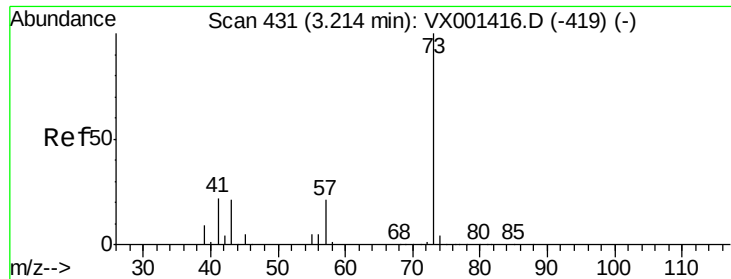
MMDadoda
5/10/2018 1:52:00 PM



#18
Methyl Acetate
Concen: 57.11 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.6	27.8





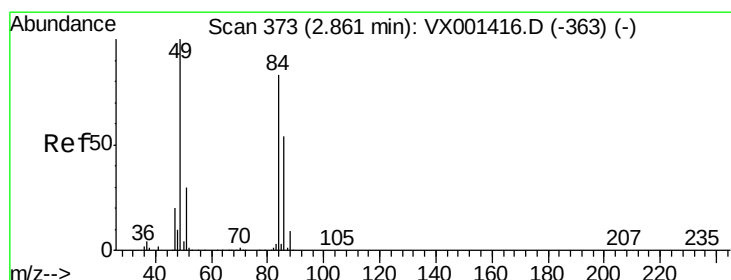
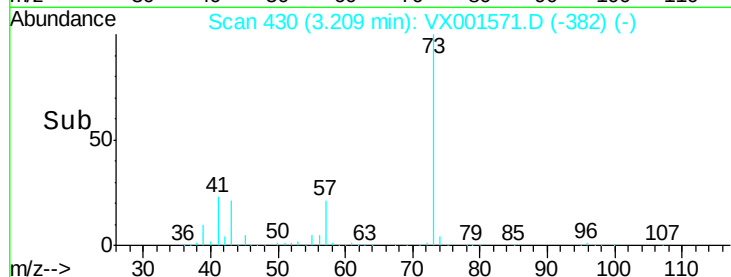
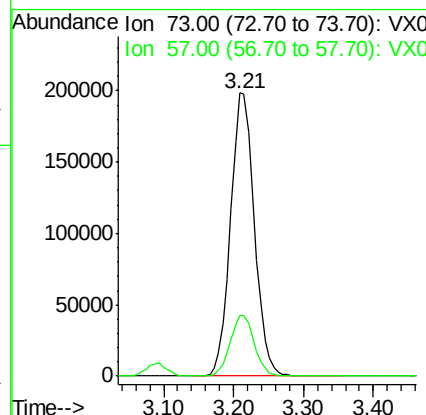
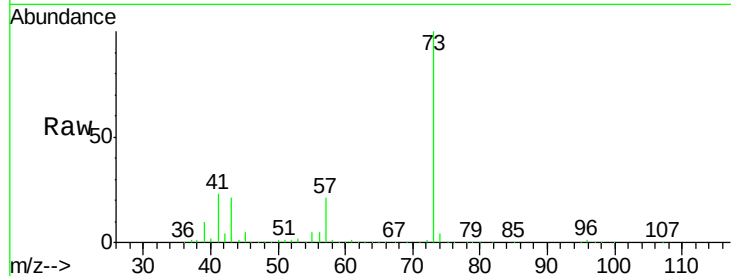
#19
Methyl tert-butyl Ether
Concen: 52.72 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	73	Resp	469603
Ion Ratio	100	Lower	Upper
73	100		
57	21.2	17.0	25.6

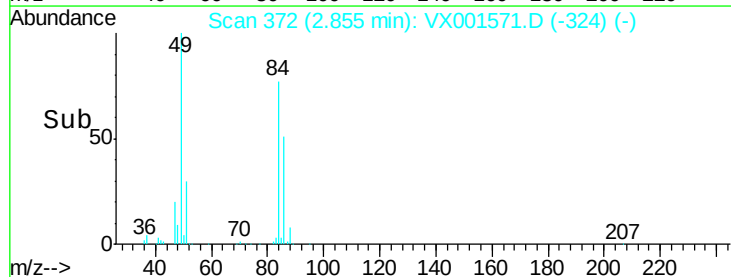
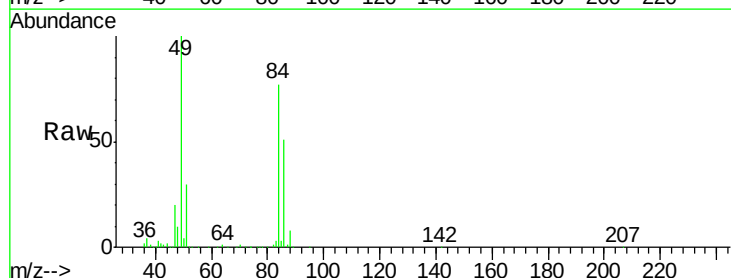
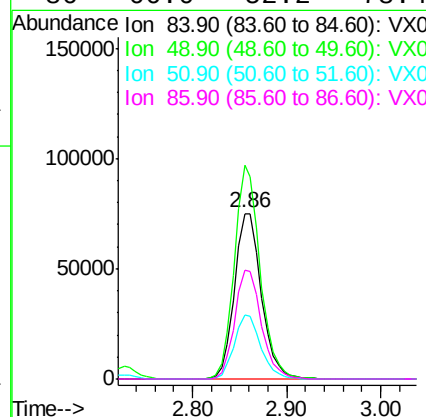
Manual Integrations
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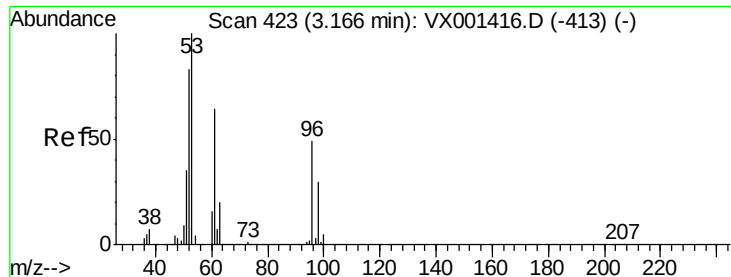
MMDadoda
5/10/2018 1:52:00 PM



#20
Methylene Chloride
Concen: 49.81 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	84	Resp	148806
Ion Ratio	100	Lower	Upper
84	100		
49	129.1	96.6	144.8
51	38.6	29.0	43.4
86	66.0	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 48.85 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

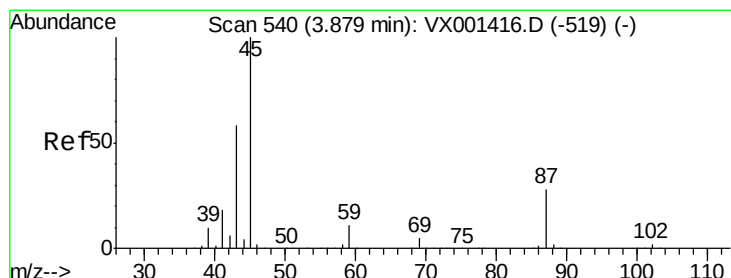
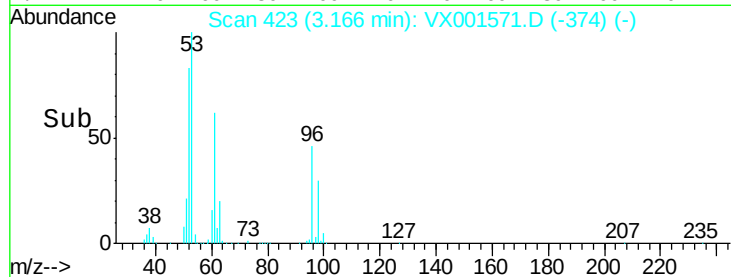
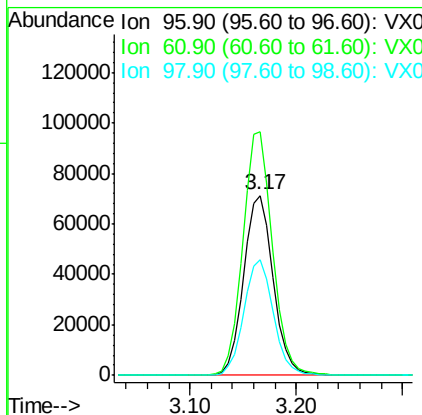
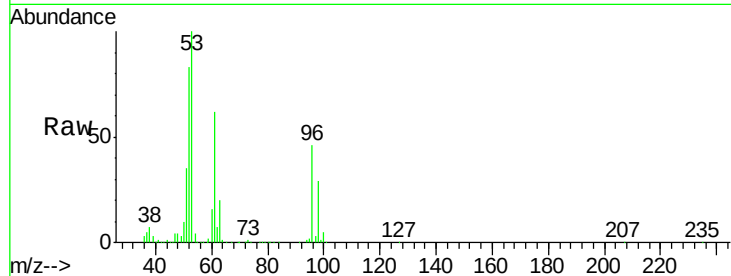
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	139469
Ion	Ratio	Lower	Upper
96	100		
61	135.1	105.0	157.4
98	64.5	49.9	74.9

Manual Integrations
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5/10/2018 1:52:00 PM



#22

Diisopropyl ether

Concen: 51.90 ug/l

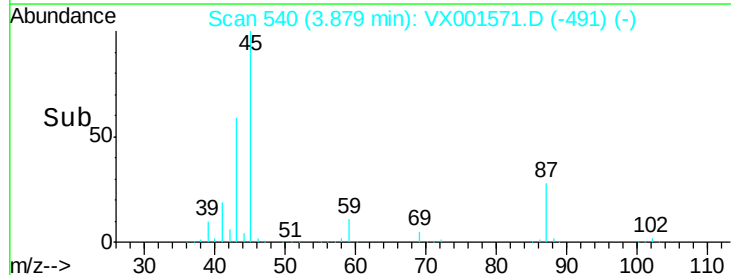
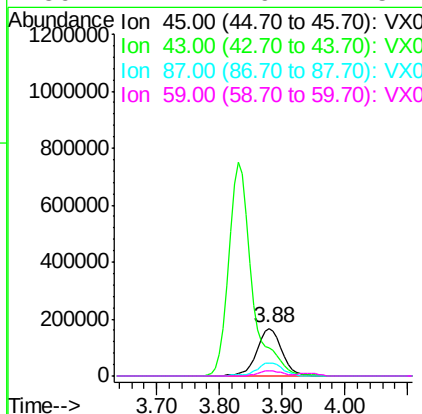
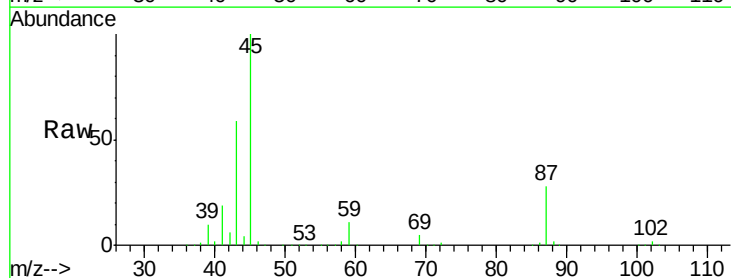
RT: 3.88 min Scan# 540

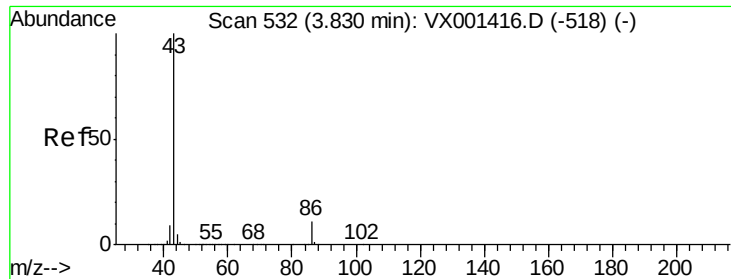
Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Tgt Ion:	45	Resp:	462525
Ion	Ratio	Lower	Upper
45	100		
43	59.2	46.5	69.7
87	27.9	22.6	34.0
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 260.32 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Tot Ion: 43 Resp: 1933628

Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0

Instrument :

MSVOA_X

ClientSampleId :

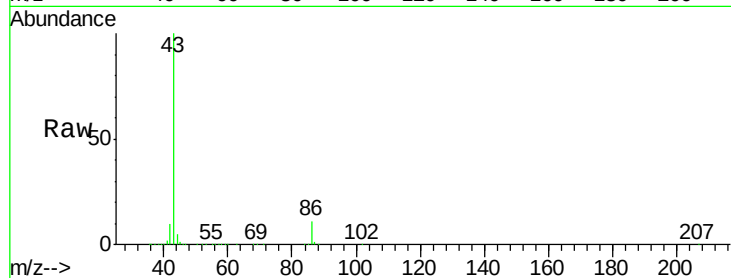
VSTDCCC050EC

Manual Integrations

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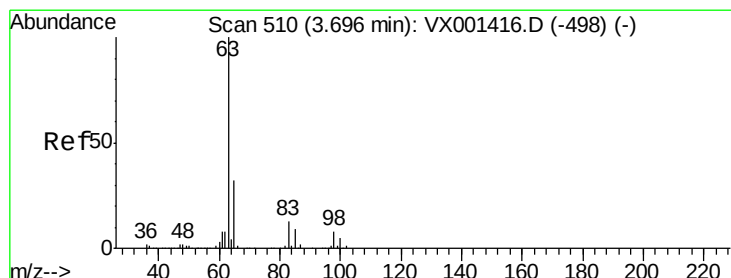
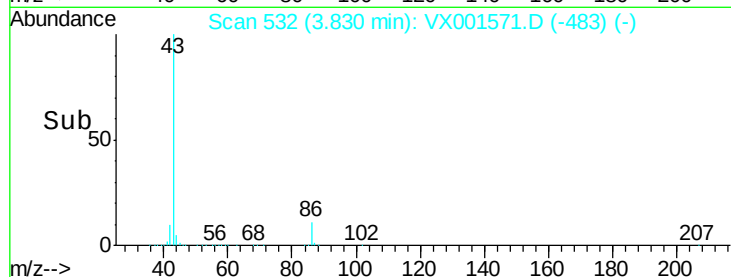
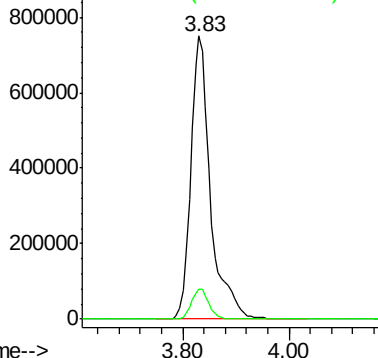
MMDadoda

5/10/2018 1:52:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.33 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

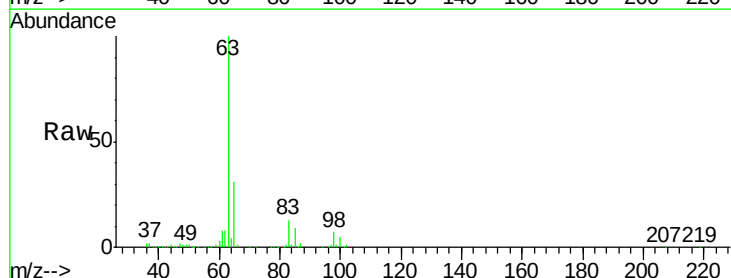
Tgt Ion: 63 Resp: 265521

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

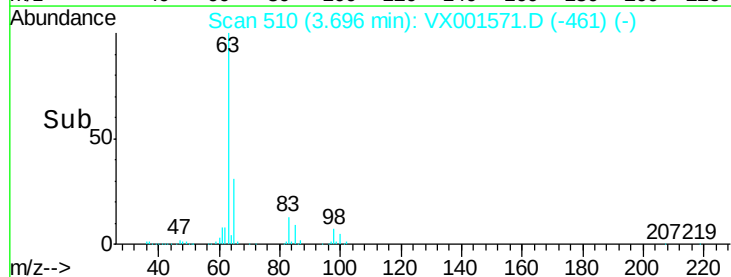
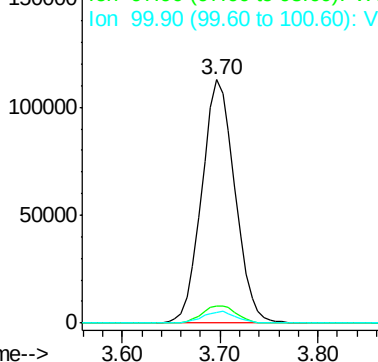
100 4.5 2.4 7.1

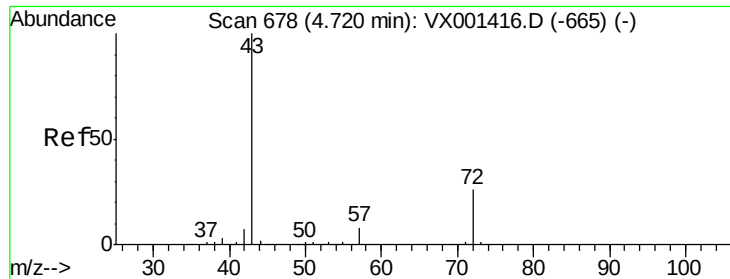


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 261.31 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 569987

Ion Ratio Lower Upper

43 100

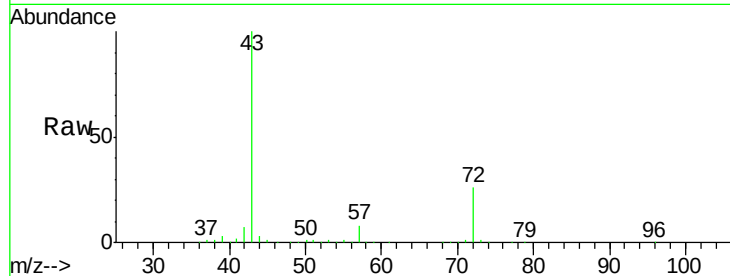
72 25.5 20.7 31.1

Manual Integrations

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MMDadoda

5/10/2018 1:52:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

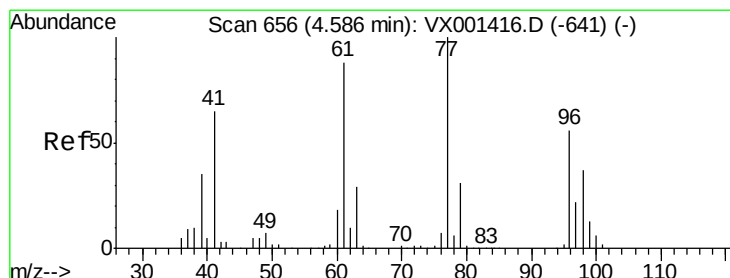
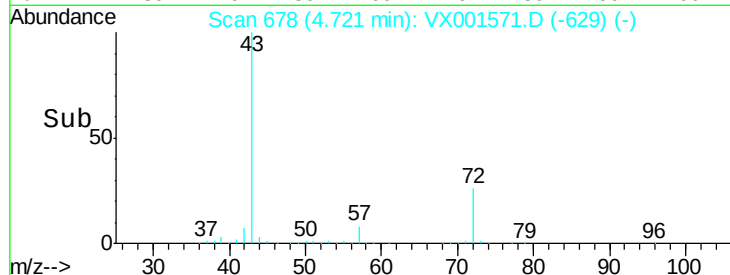
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 42.48 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001571.D

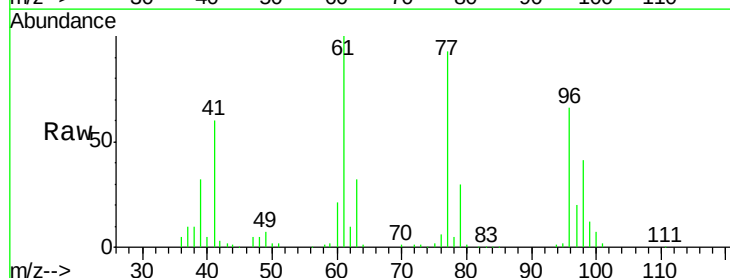
Acq: 09 May 2018 22:27

Tgt Ion: 77 Resp: 163327

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

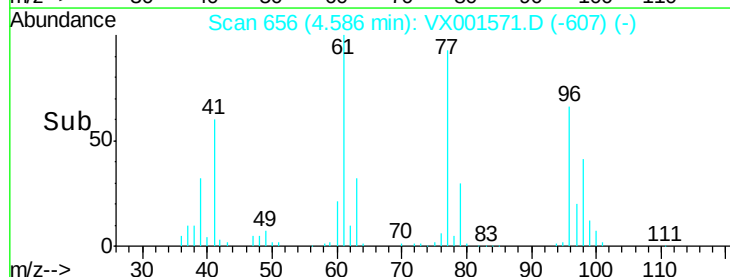
20000

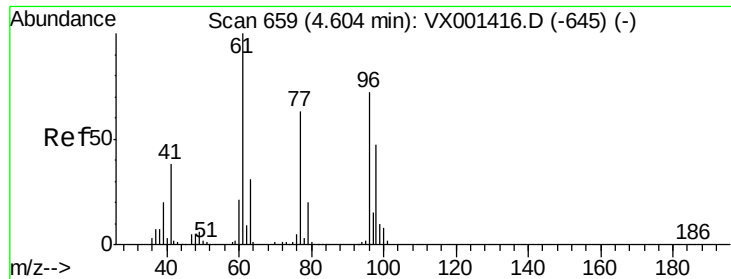
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

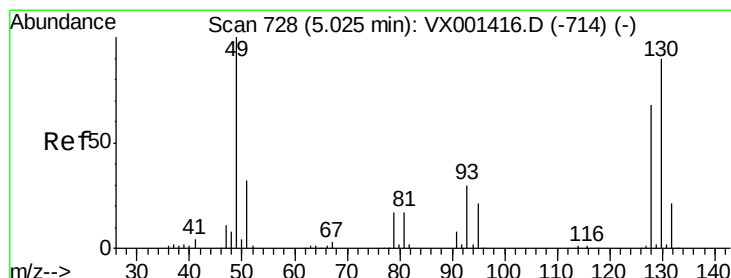
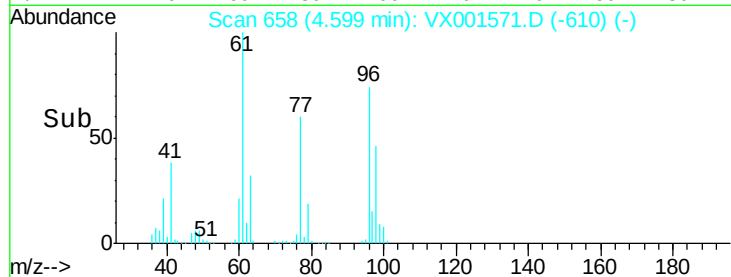
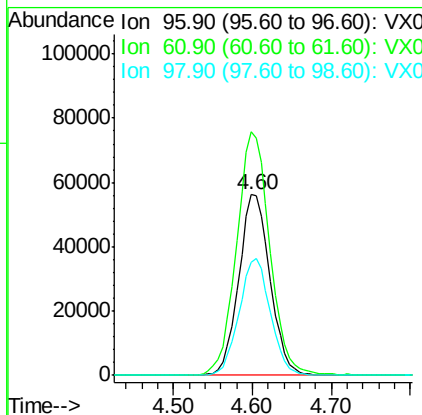
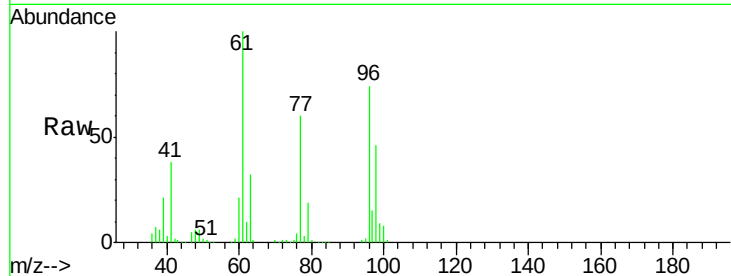
cis-1,2-Dichloroethene
Concen: 50.91 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	154821		
61	143.3	0.0	301.6	
98	64.7	0.0	131.6	

Manual Integrations
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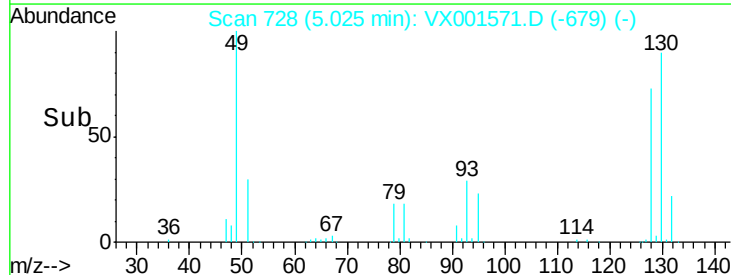
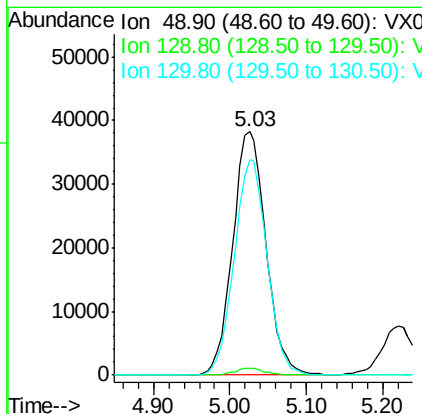
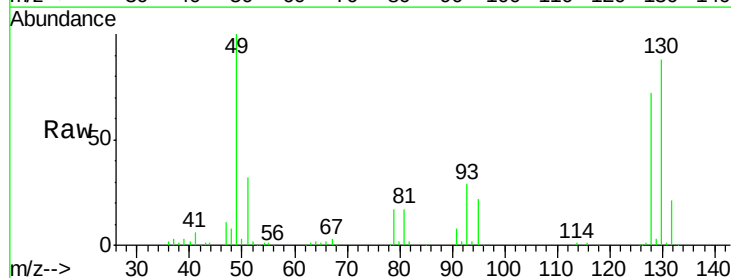
MMDadoda
5/10/2018 1:52:00 PM

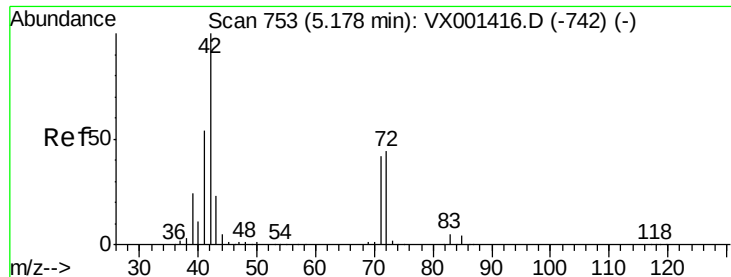


#28

Bromochloromethane
Concen: 53.43 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	115336		
129	2.5	0.0	4.8	
130	87.1	71.9	107.9	





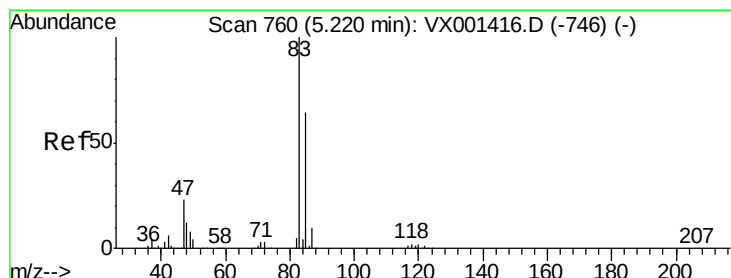
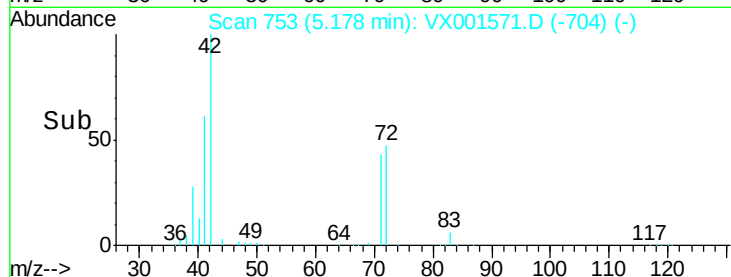
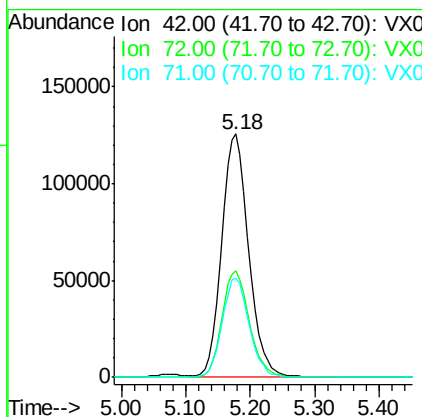
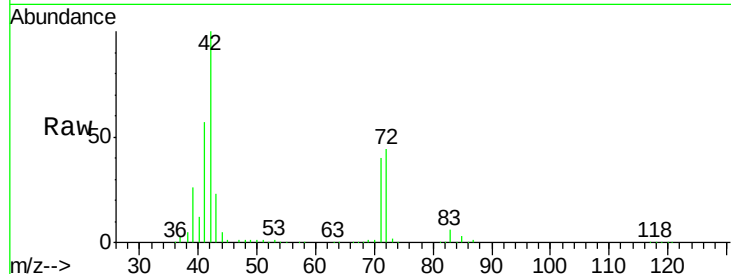
#29
Tetrahydrofuran
Concen: 264.71 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.4	53.2
71	41.0	33.0	49.4

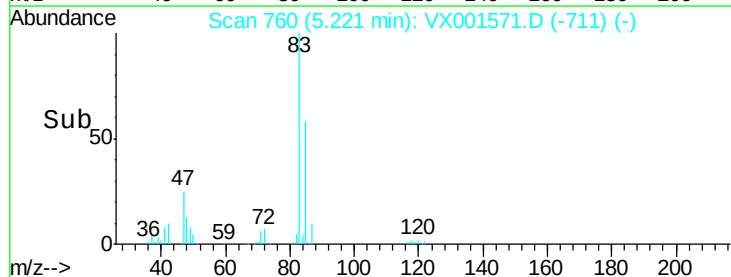
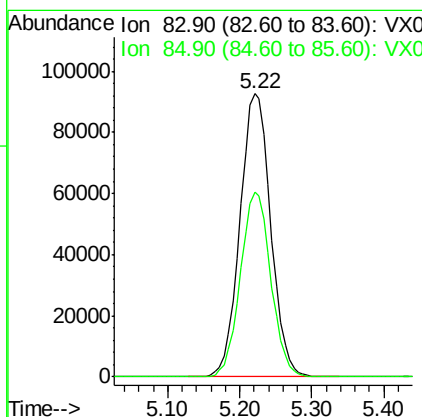
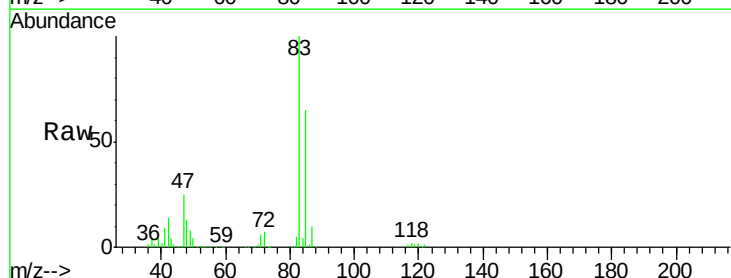
Manual Integrations
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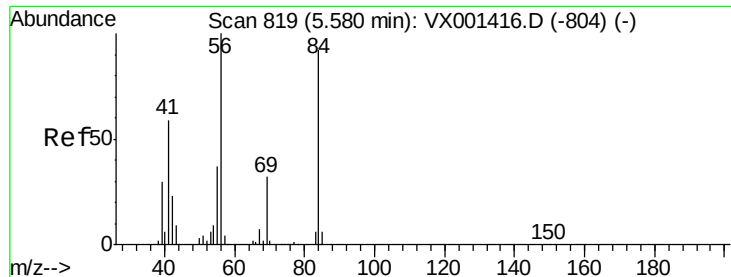
MMDadoda
5/10/2018 1:52:00 PM



#30
Chloroform
Concen: 53.47 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.0	76.4





#31

Cyclohexane

Concen: 50.33 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

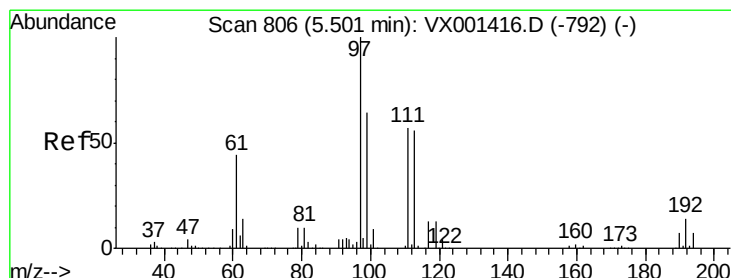
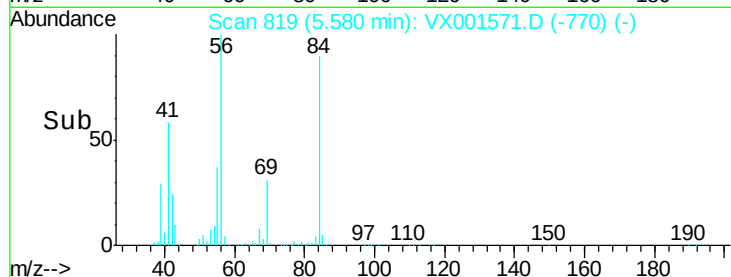
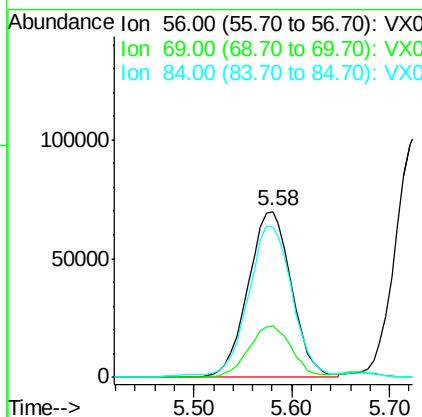
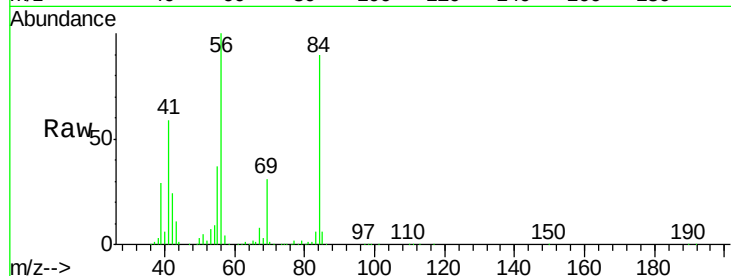
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	215196
Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.4	38.0
84	88.2	73.8	110.8

Manual Integrations
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5/10/2018 1:52:00 PM



#32

1,1,1-Trichloroethane

Concen: 54.01 ug/l

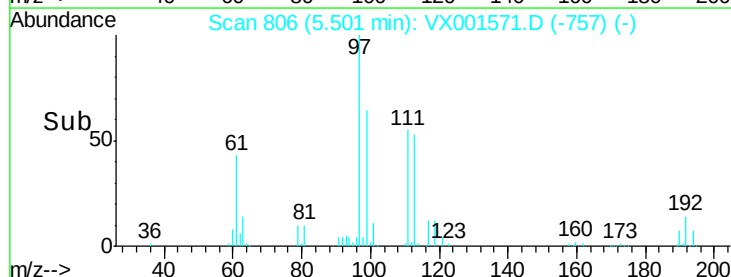
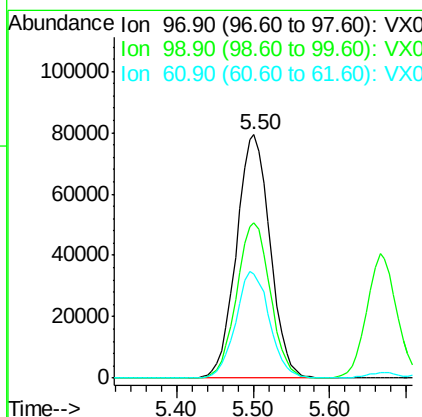
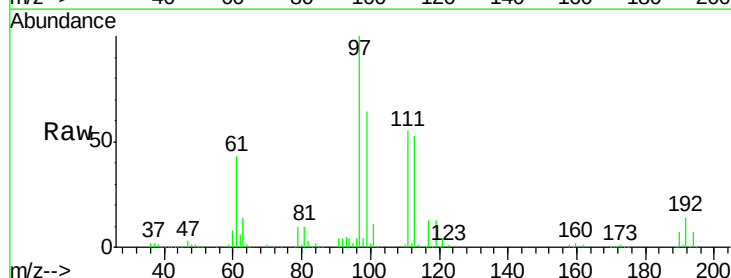
RT: 5.50 min Scan# 806

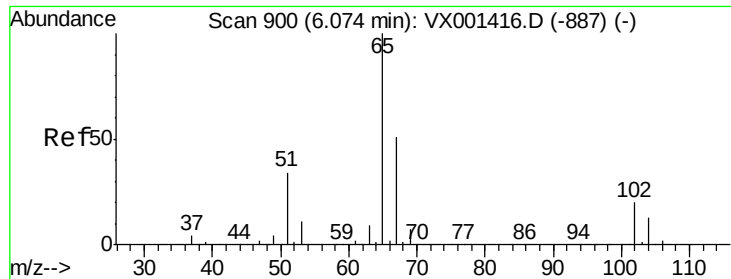
Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Tgt Ion:	97	Resp:	242071
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	43.9	34.8	52.2





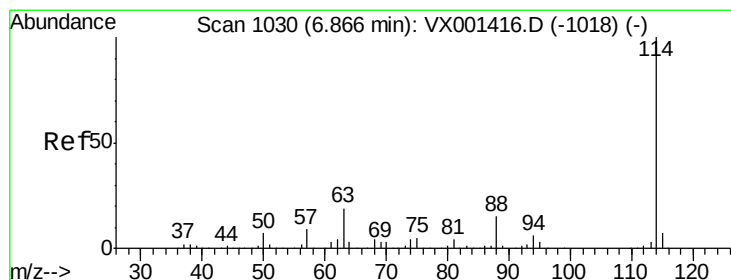
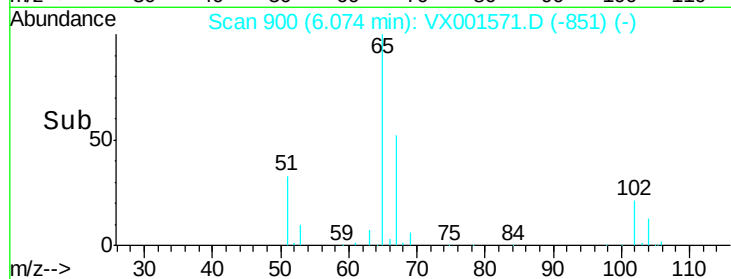
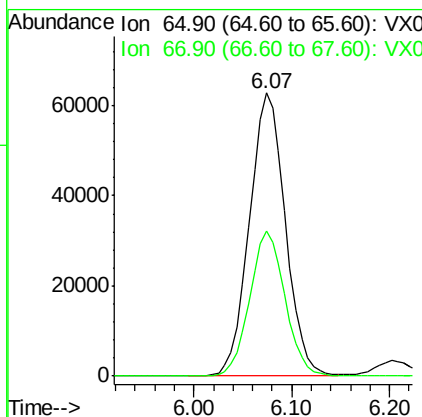
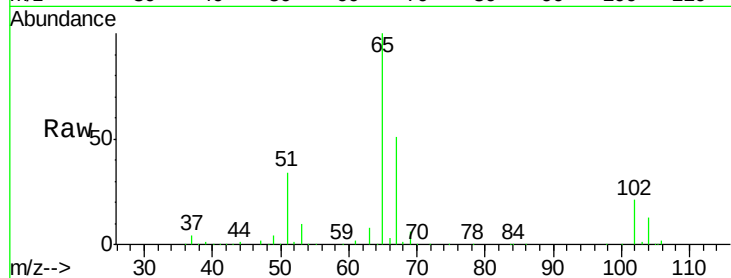
#33
 1,2-Dichloroethane-d4
 Concen: 48.44 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001571.D
 Acq: 09 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160991		
67	50.3	0.0	101.8	

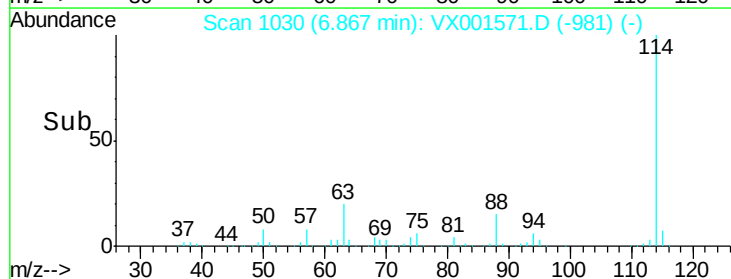
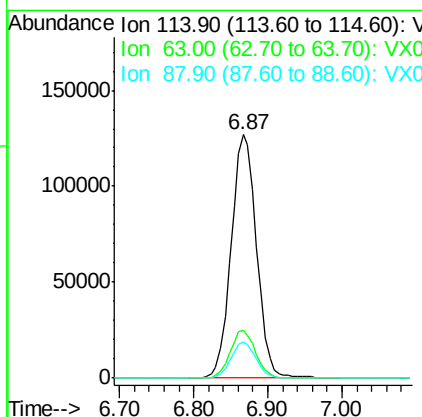
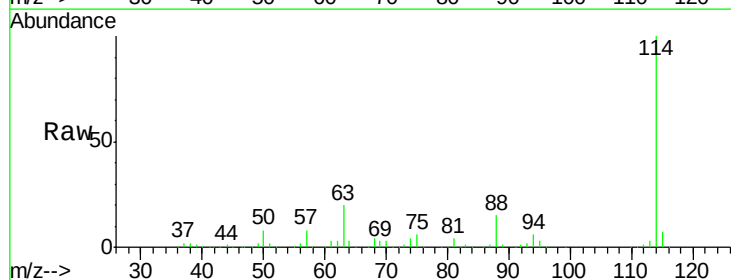
Manual Integrations
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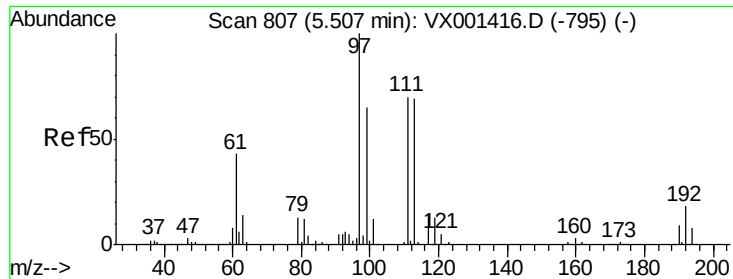
MMDadoda
 5/10/2018 1:52:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001571.D
 Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302692		
63	19.7	0.0	38.6	
88	15.0	0.0	30.8	





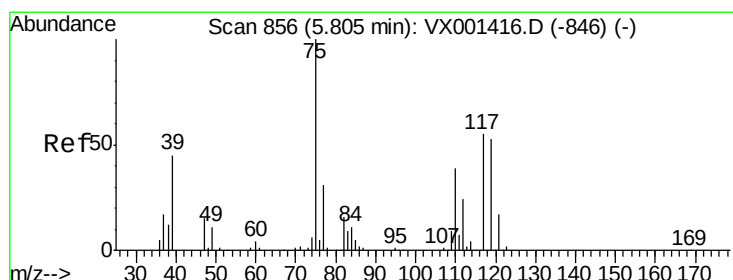
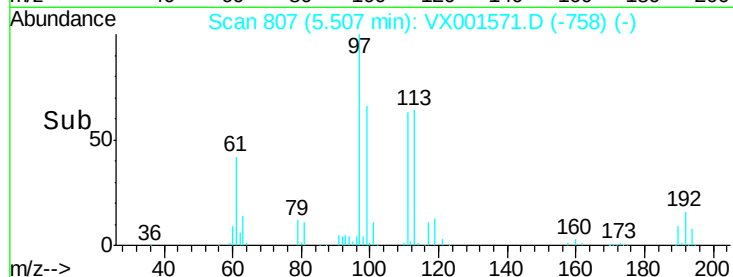
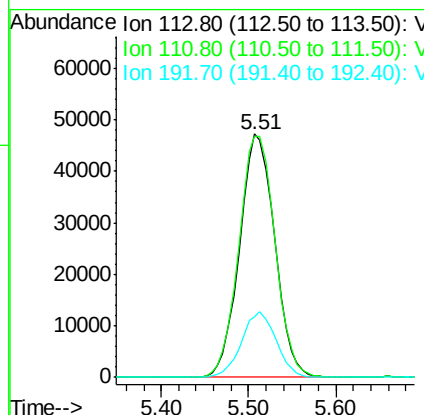
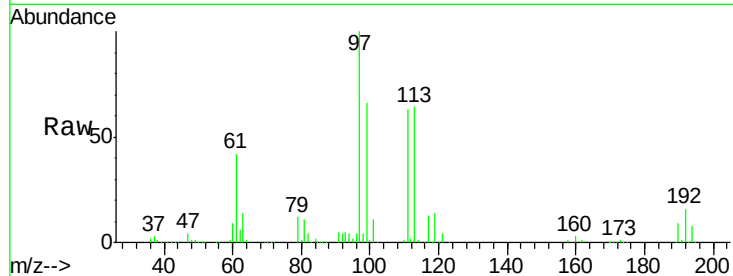
#35
Dibromofluoromethane
Concen: 49.07 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132116		
111	102.3	82.2	123.2	
192	26.7	21.4	32.0	

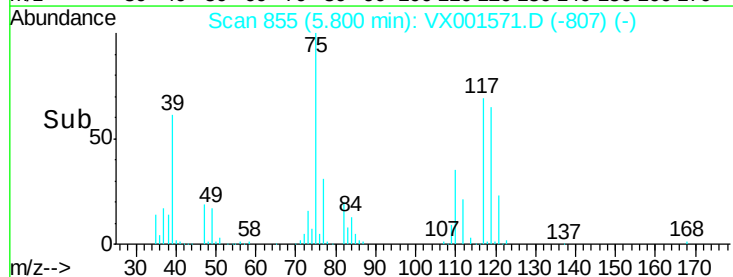
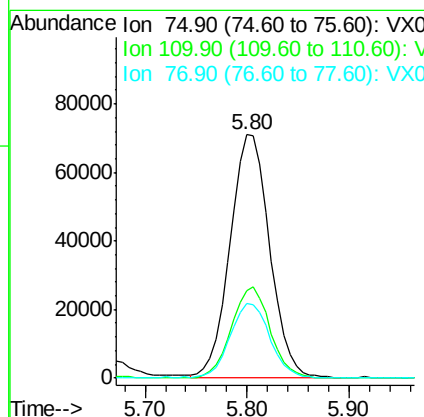
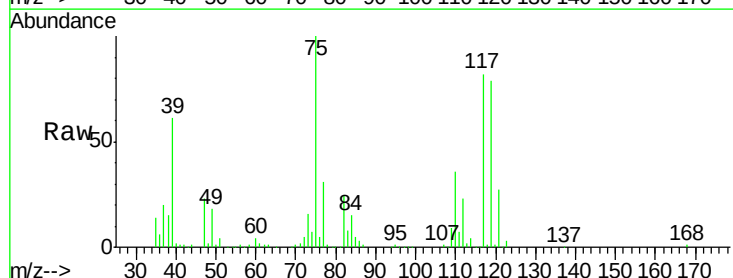
Manual Integrations
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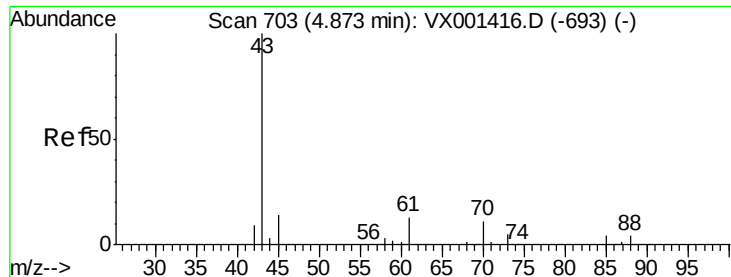
MMDadoda
5/10/2018 1:52:00 PM



#36
1,1-Dichloropropene
Concen: 49.34 ug/l
RT: 5.80 min Scan# 856
Delta R.T. -0.01 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	189960		
110	36.9	18.9	56.7	
77	31.5	24.9	37.3	





#37

Ethyl Acetate

Concen: 52.01 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

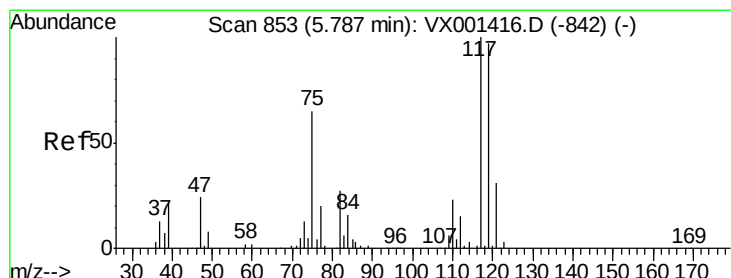
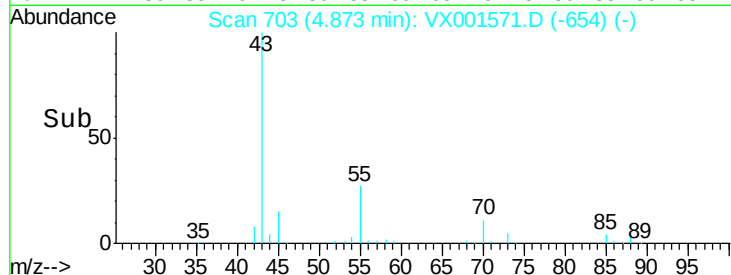
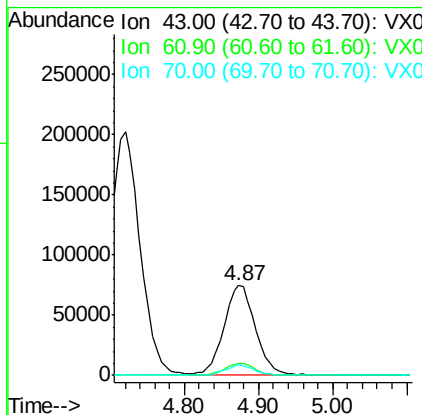
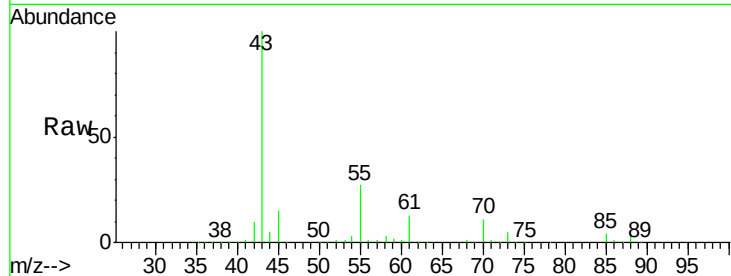
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	219539
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.7	16.1
70	10.7	8.4	12.6

Manual Integrations
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MMDadoda
5/10/2018 1:52:00 PM



#38

Carbon Tetrachloride

Concen: 53.42 ug/l

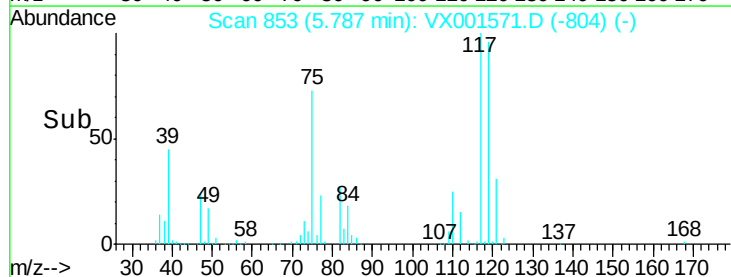
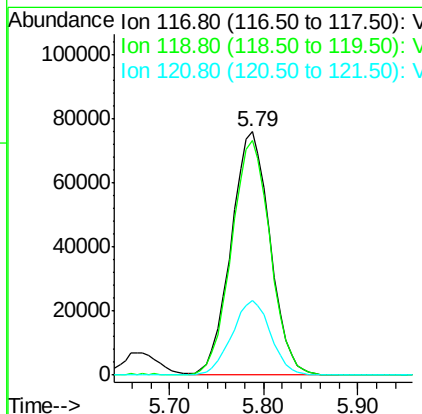
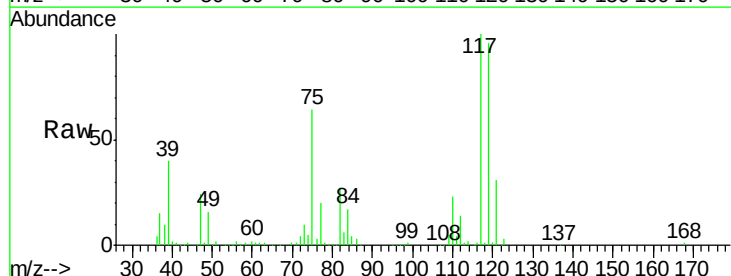
RT: 5.79 min Scan# 853

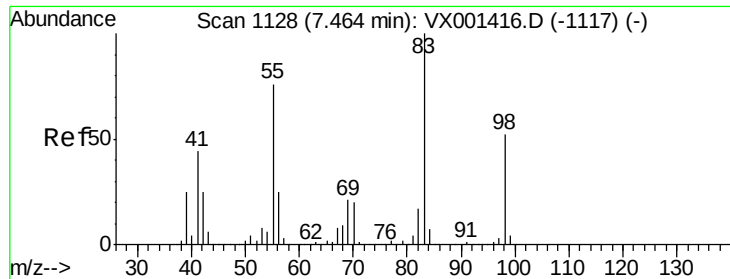
Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Tgt Ion:	117	Resp:	219350
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.0	115.6
121	30.9	25.1	37.7





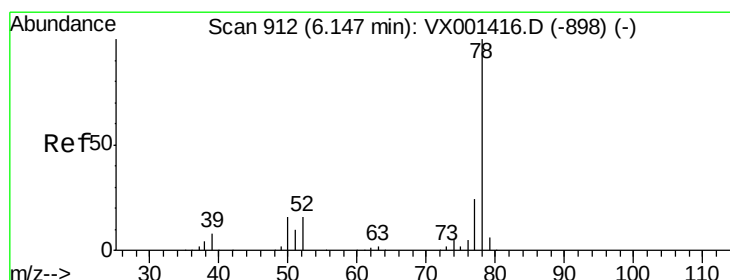
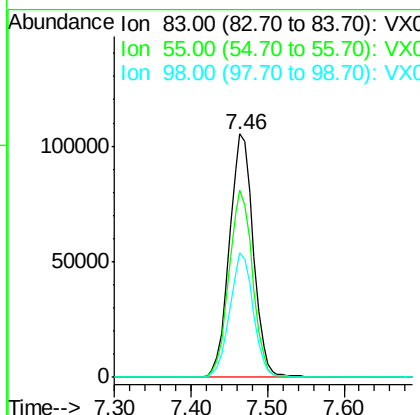
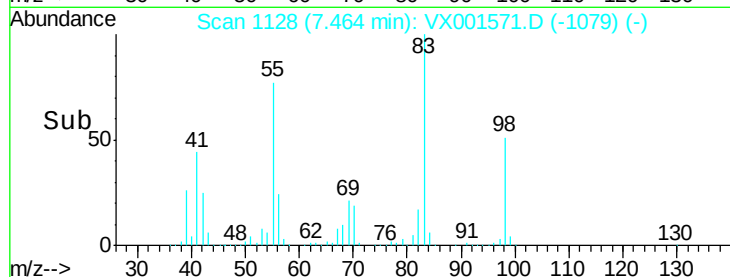
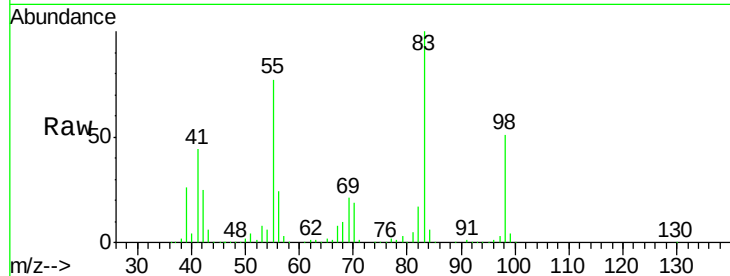
#39
Methylvlcyclohexane
Concen: 49.87 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	227031		
55	76.8		60.9	91.3
98	51.1		41.9	62.9

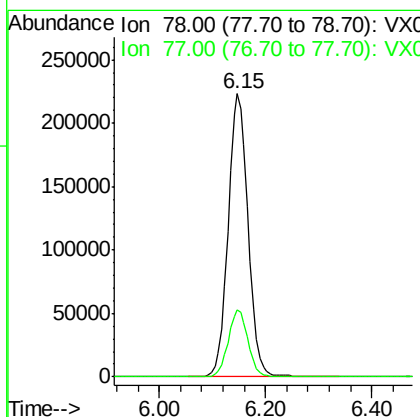
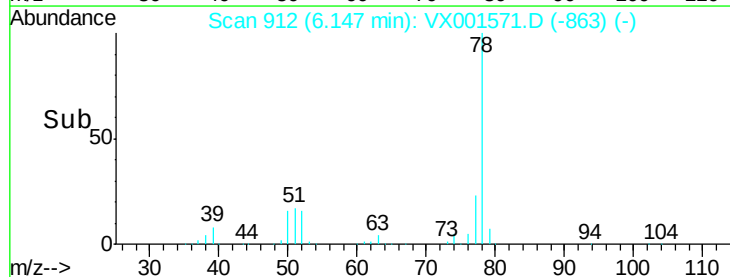
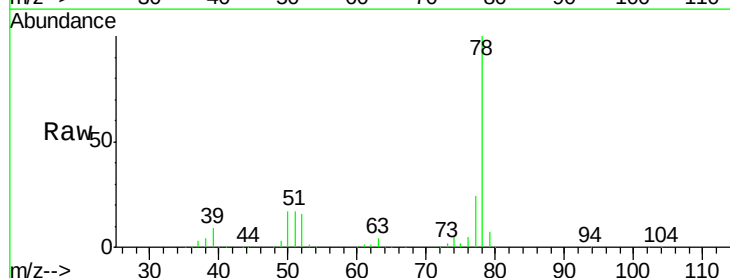
Manual Integrations
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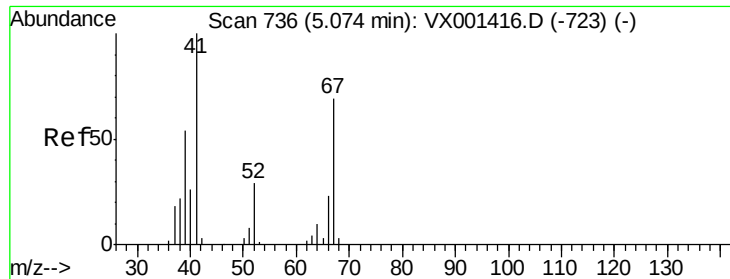
MMDadoda
5/10/2018 1:52:00 PM



#40
Benzene
Concen: 51.82 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	582787		
77	23.6		19.4	29.2





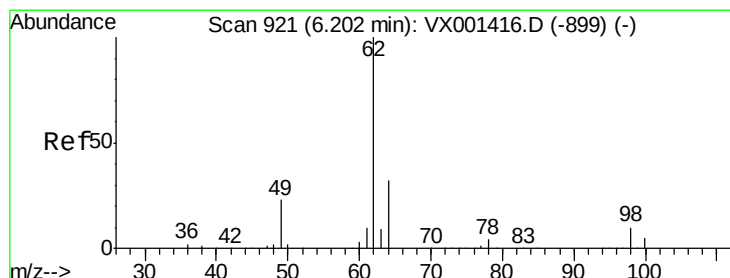
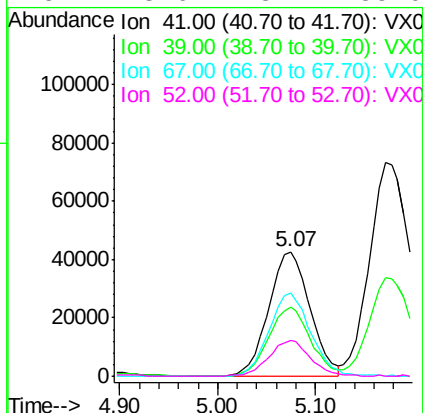
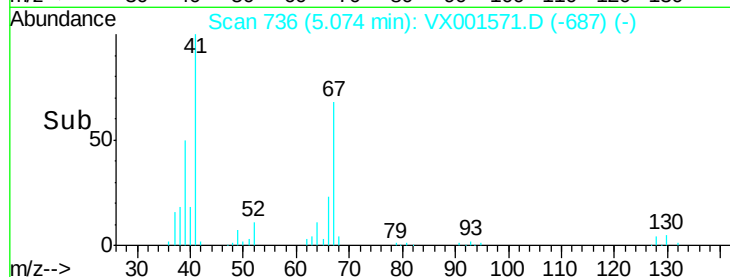
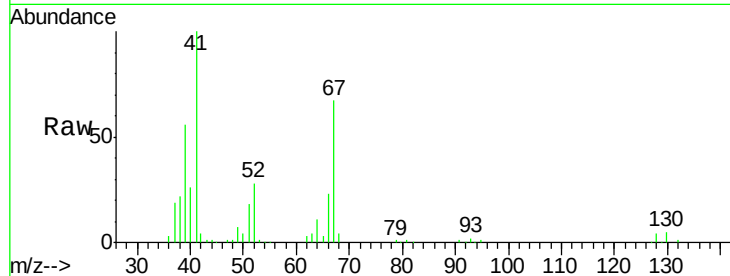
#41
Methacrylonitrile
Concen: 52.21 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	45.0	67.6	
67	67.5	55.0	82.6	
52	28.6	23.4	35.0	

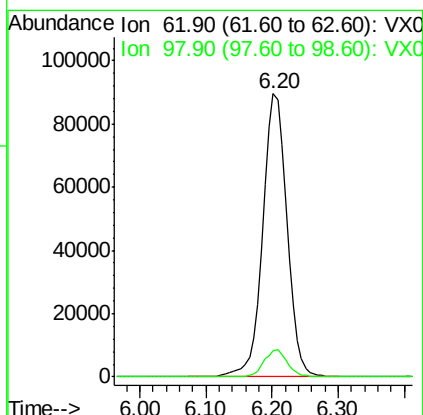
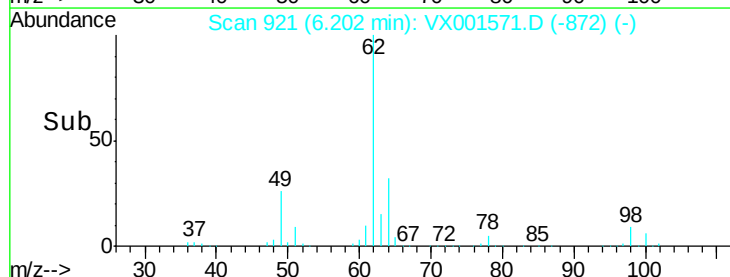
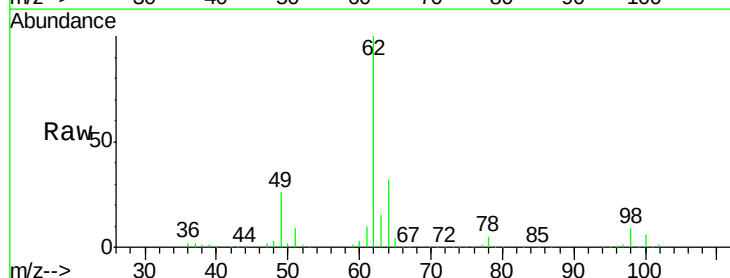
Manual Integrations
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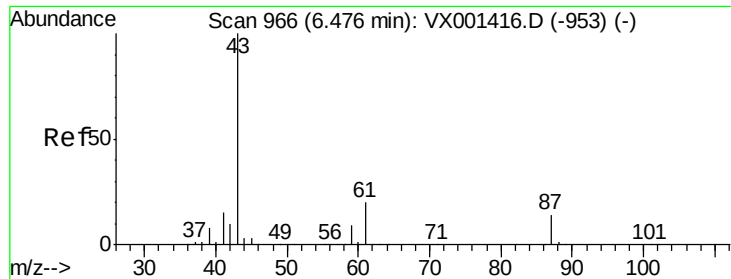
MMDadoda
5/10/2018 1:52:00 PM



#42
1,2-Dichloroethane
Concen: 52.91 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	19.0	





#43

Isopropyl Acetate

Concen: 53.59 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

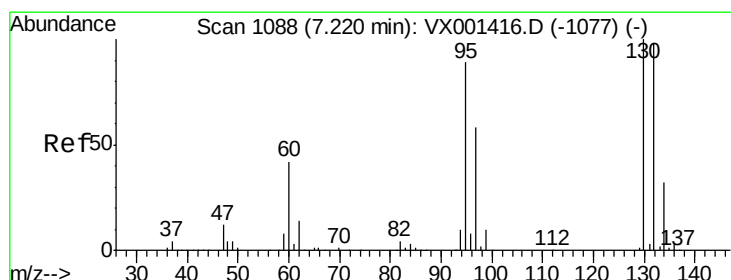
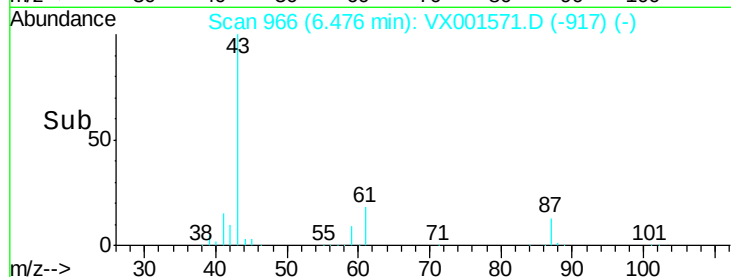
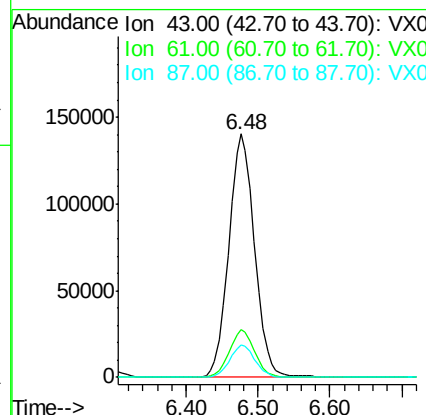
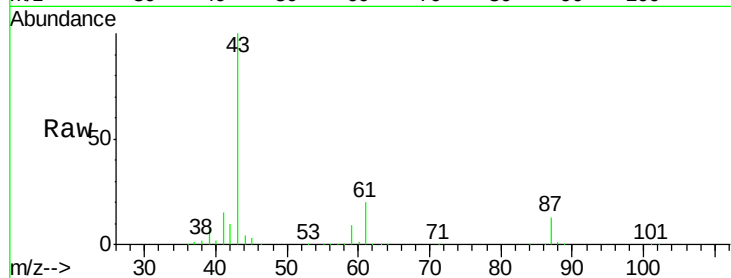
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	347221
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.2	10.8	16.2

Manual Integrations
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MMDadoda
5/10/2018 1:52:00 PM



#44

Trichloroethene

Concen: 51.04 ug/l

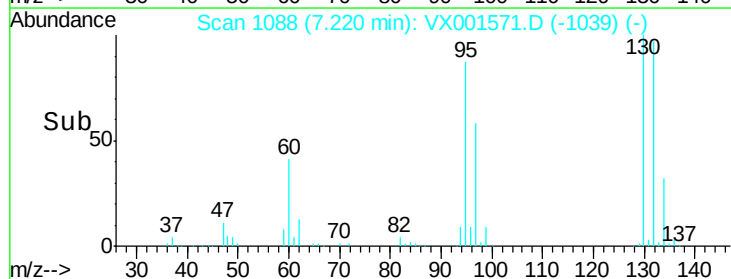
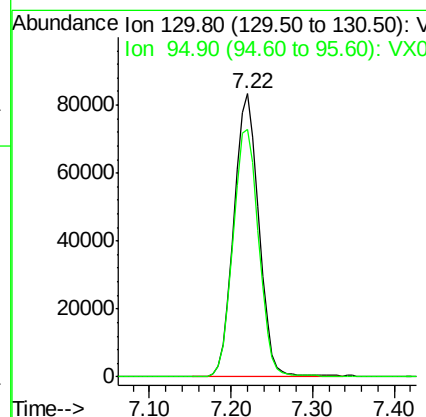
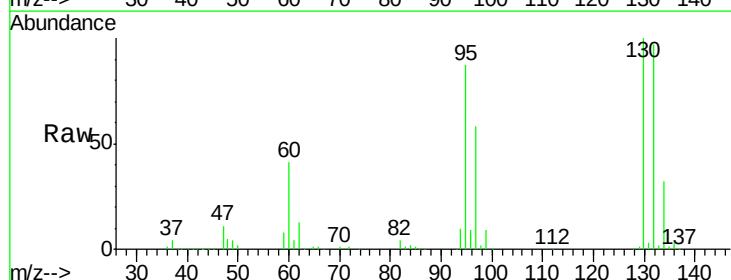
RT: 7.22 min Scan# 1088

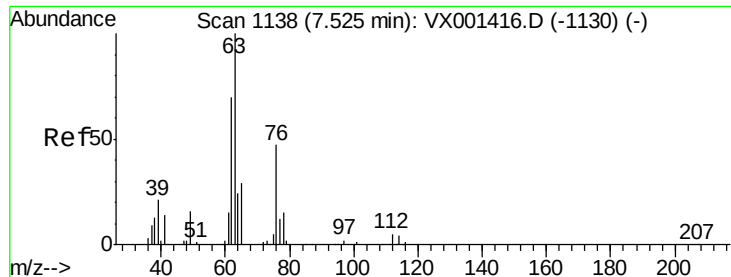
Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Tgt Ion:	130	Resp:	175432
Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	178.4





#45

1,2-Dichloropropane

Concen: 51.77 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 145149

Ion Ratio Lower Upper

63 100

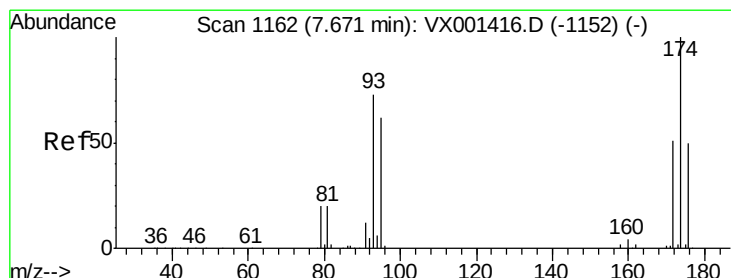
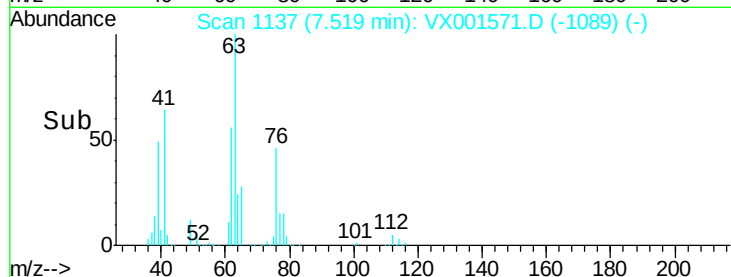
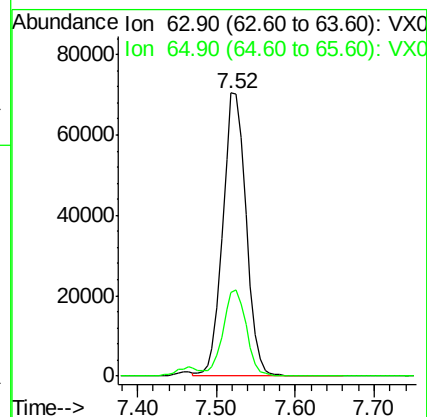
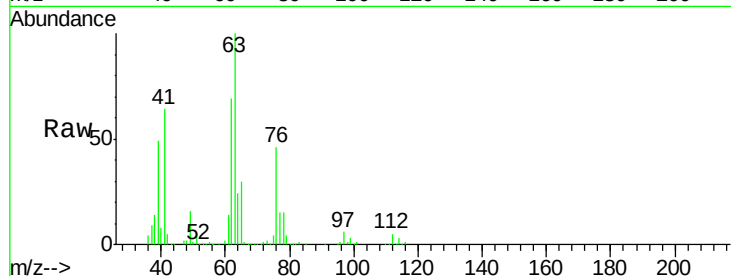
65 29.7 24.5 36.7

Manual Integrations

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MMDadoda

5/10/2018 1:52:00 PM



#46

Dibromomethane

Concen: 51.80 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

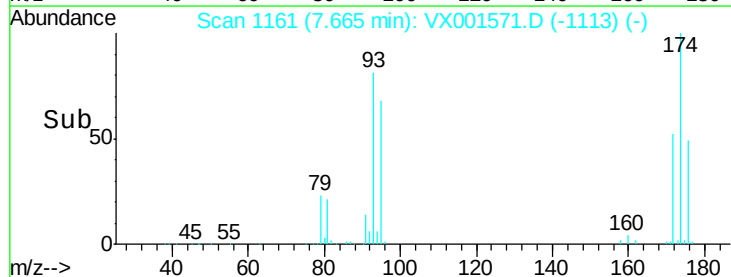
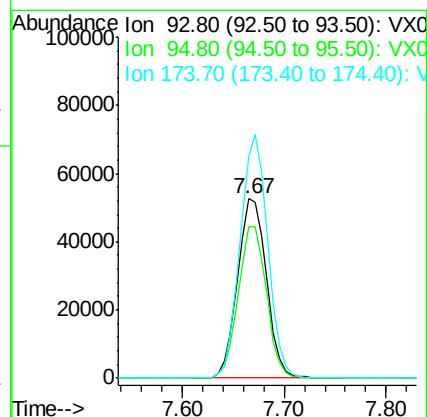
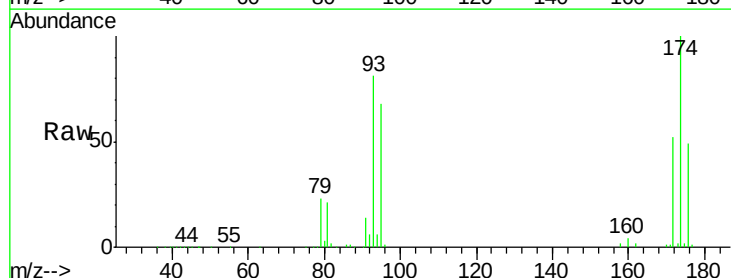
Tgt Ion: 93 Resp: 102823

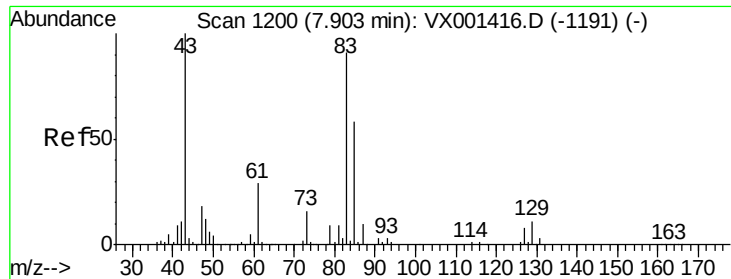
Ion Ratio Lower Upper

93 100

95 82.9 67.0 100.4

174 130.6 104.5 156.7





#47

Bromodichloromethane

Concen: 55.29 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

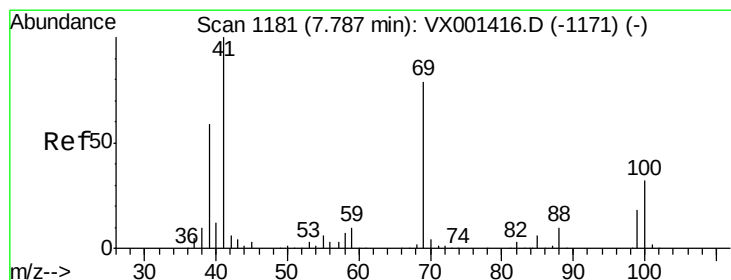
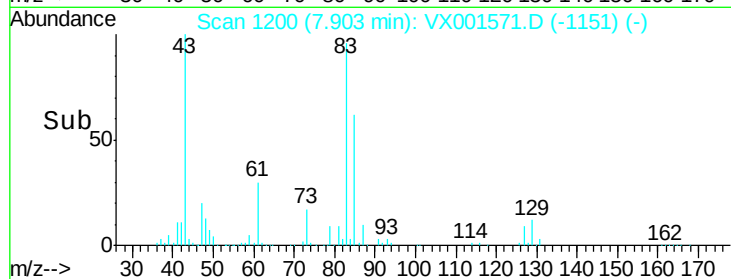
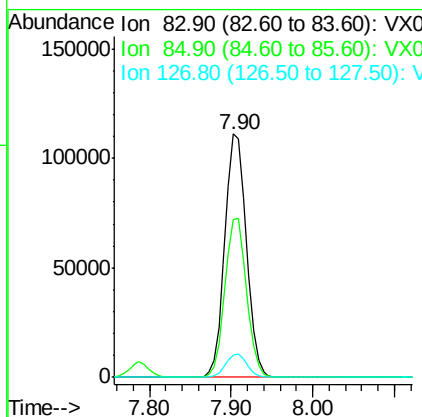
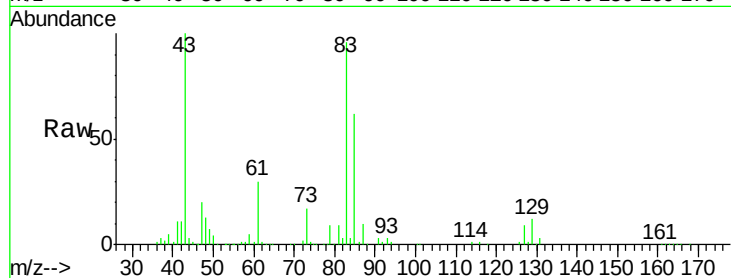
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	203108
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.6
127	9.1	7.4	11.2

Manual Integrations
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5/10/2018 1:52:00 PM



#48

Methyl methacrylate

Concen: 53.59 ug/l

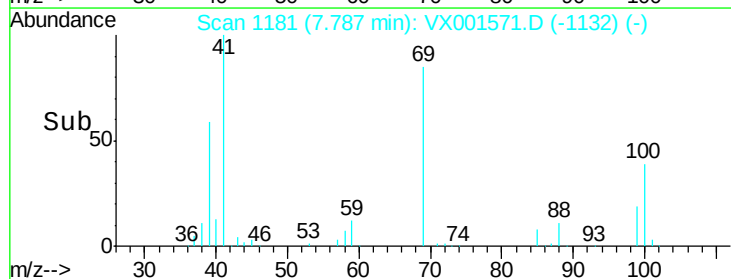
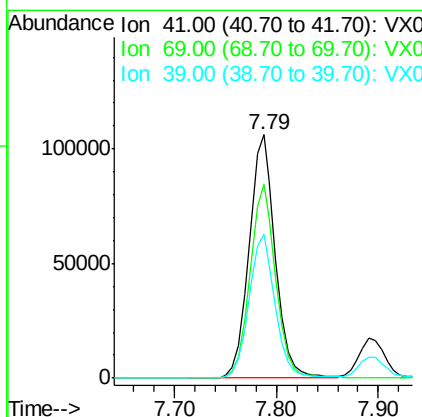
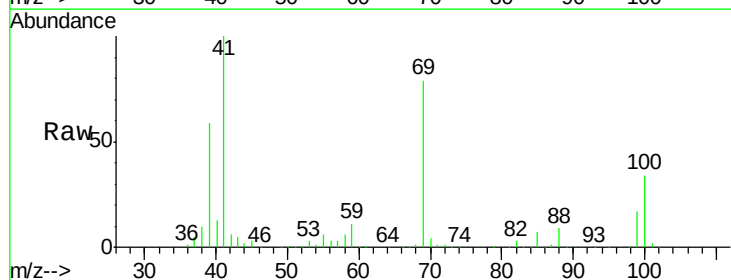
RT: 7.79 min Scan# 1181

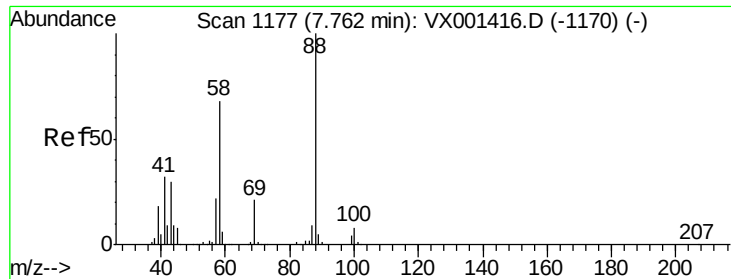
Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Tgt Ion:	41	Resp:	189066
Ion	Ratio	Lower	Upper
41	100		
69	79.1	63.4	95.2
39	59.0	47.0	70.4





#49

1,4-Dioxane

Concen: 1039.21 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

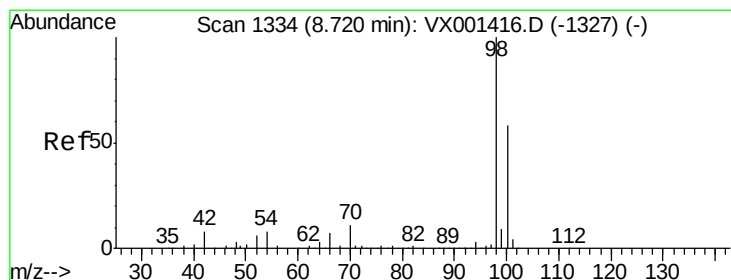
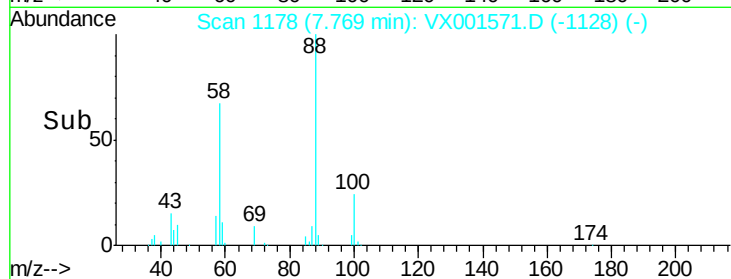
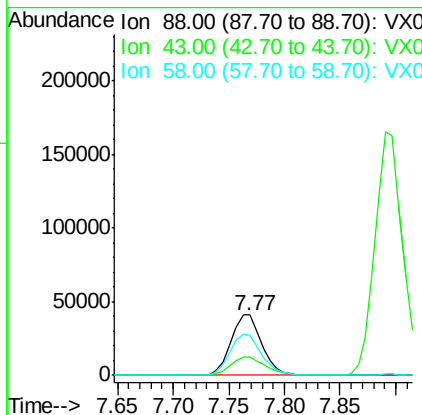
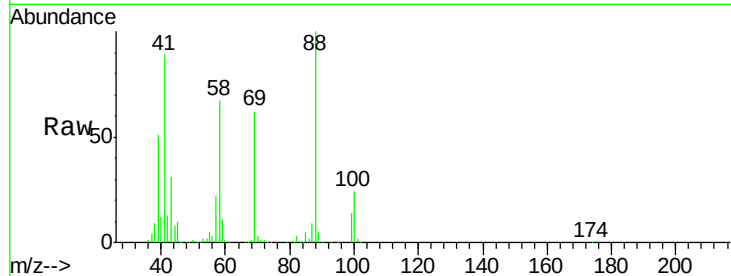
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	79212
Ion	Ratio	Lower	Upper
88	100		
43	34.7	26.4	39.6
58	70.0	54.1	81.1

Manual Integrations
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#50

Toluene-d8

Concen: 47.69 ug/l

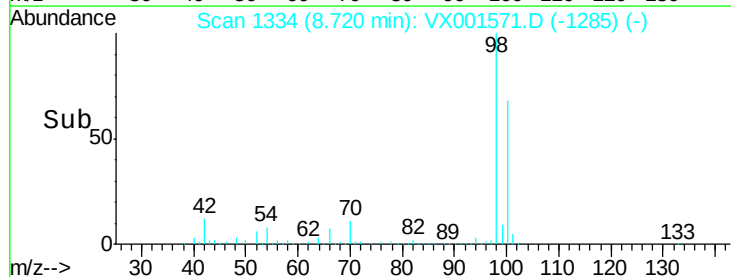
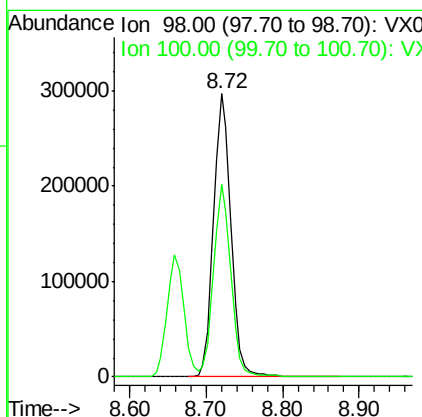
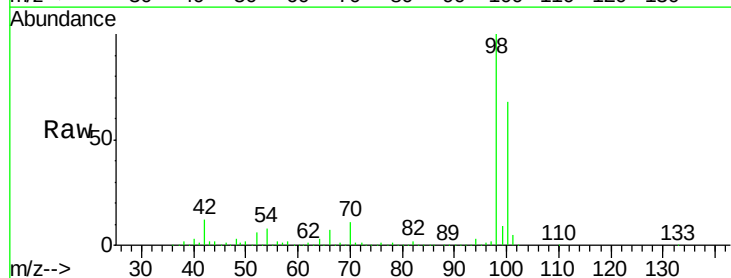
RT: 8.72 min Scan# 1334

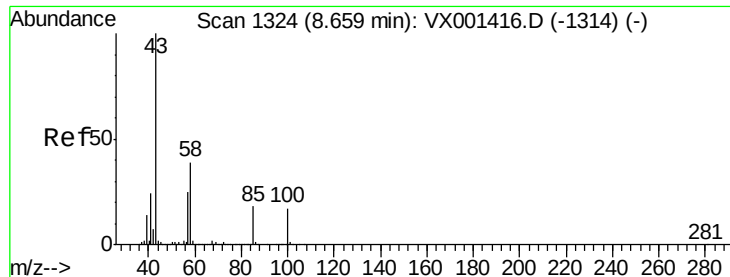
Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Tgt Ion:	98	Resp:	468651
Ion	Ratio	Lower	Upper
98	100		
100	67.5	54.0	81.0





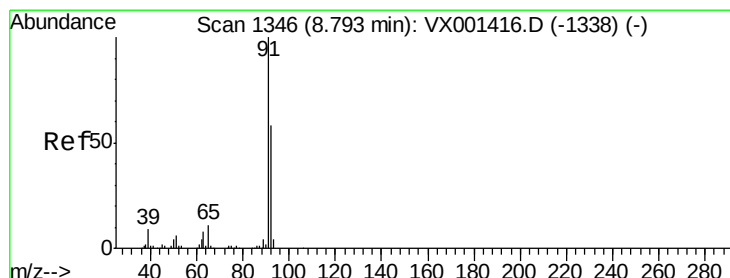
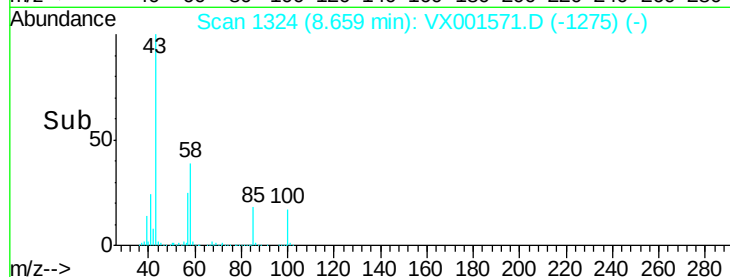
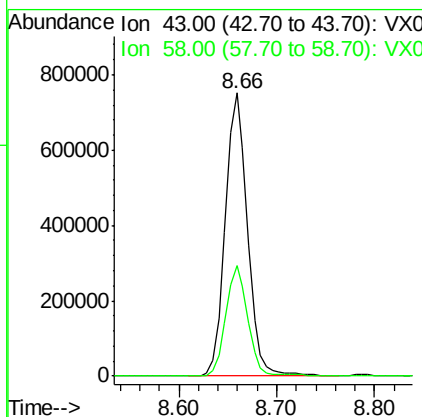
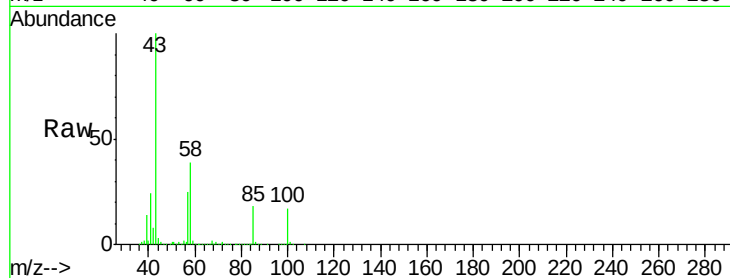
#51
4-Methyl-2-Pentanone
Concen: 274.93 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1183730
Ion Ratio Lower Upper
43 100
58 38.1 30.8 46.2

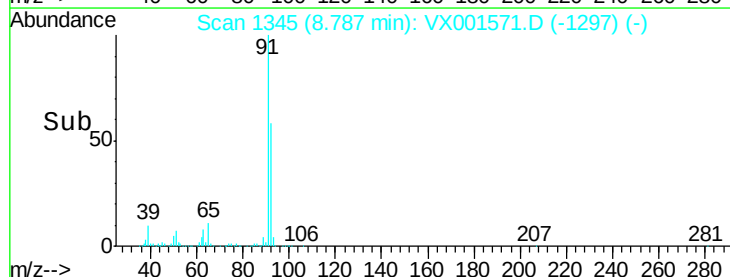
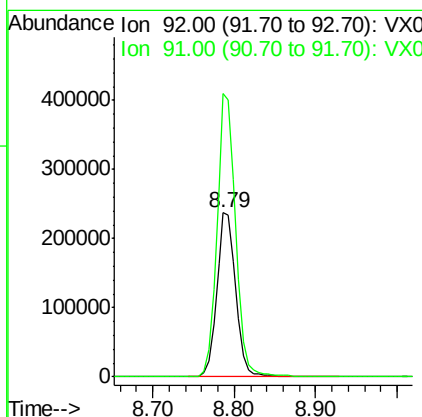
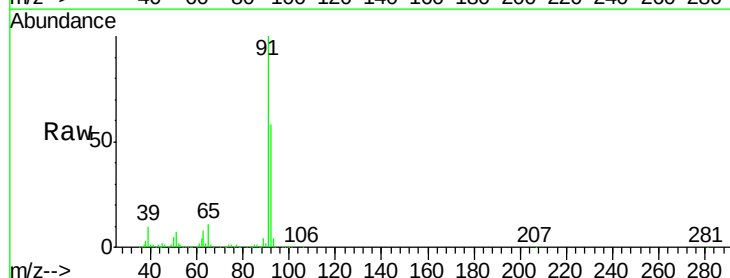
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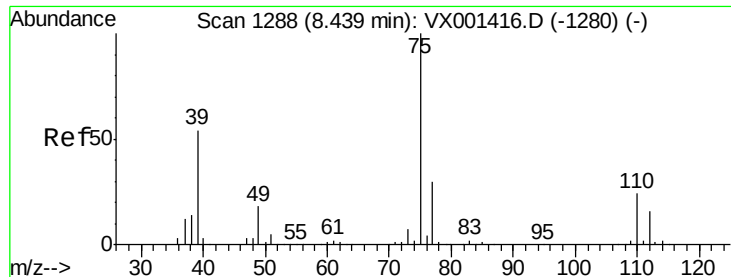
MMDadoda
5/10/2018 1:52:00 PM



#52
Toluene
Concen: 52.72 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion: 92 Resp: 387656
Ion Ratio Lower Upper
92 100
91 170.2 135.2 202.8





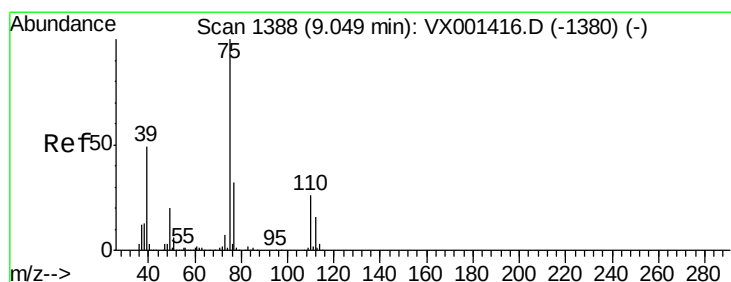
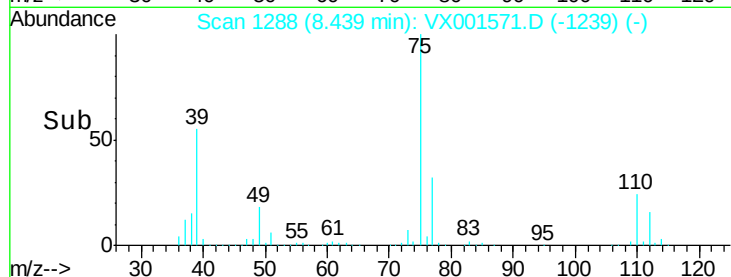
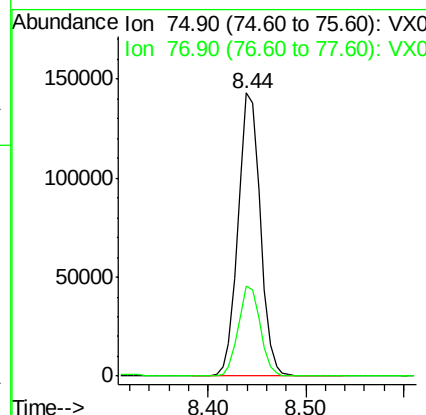
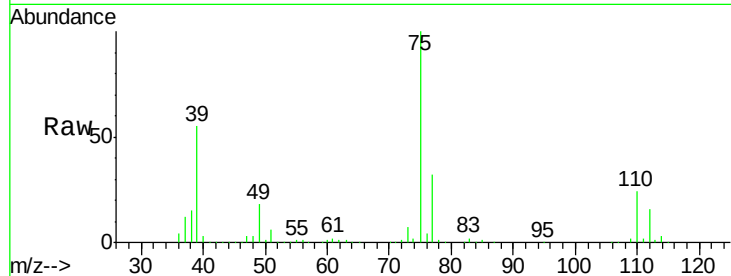
#53
t-1,3-Dichloropropene
Concen: 54.27 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.2	36.4

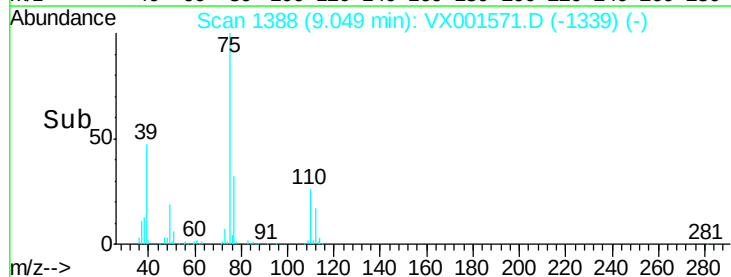
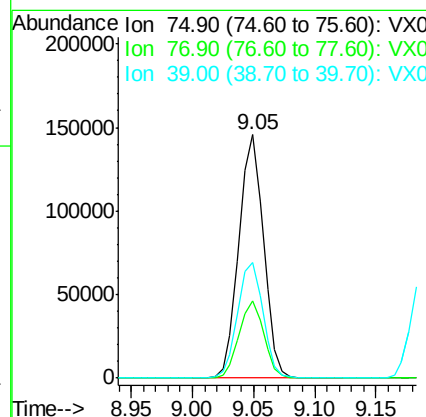
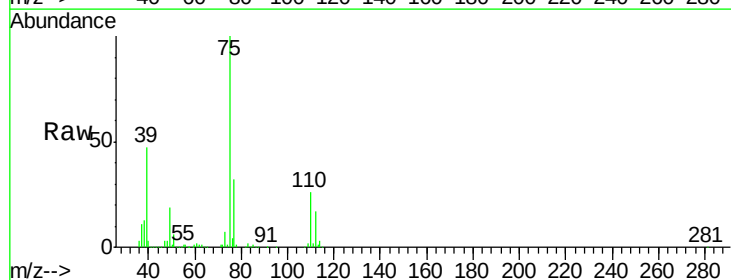
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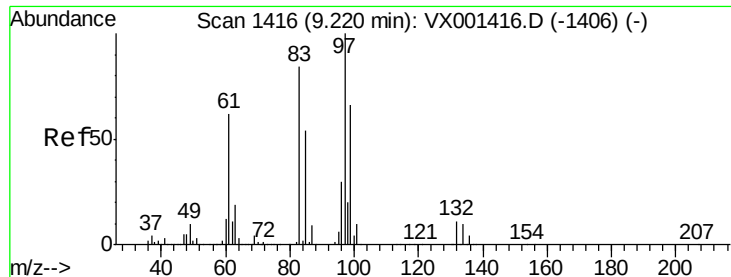
MMDadoda
5/10/2018 1:52:00 PM



#54
cis-1,3-Dichloropropene
Concen: 47.59 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	47.3	38.9	58.3





#55

1,1,2-Trichloroethane

Concen: 52.72 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

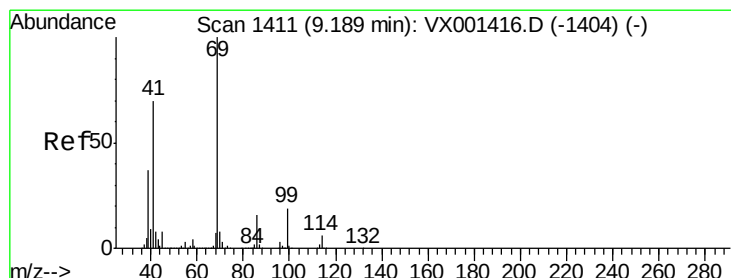
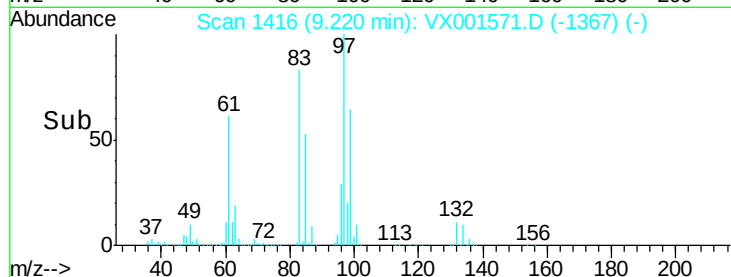
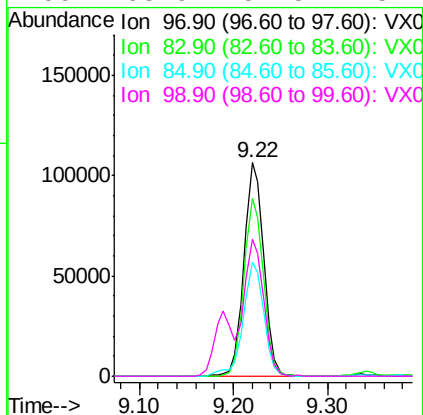
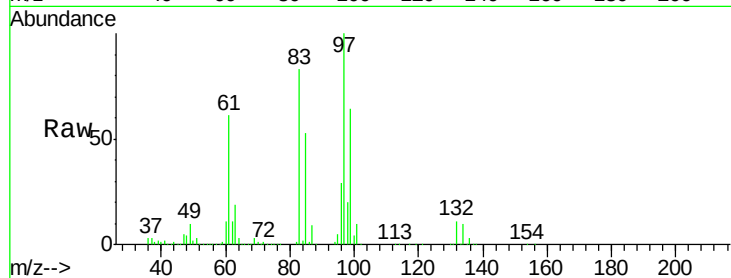
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		156187		
83	83.4	67.4	101.0		
85	53.3	43.3	64.9		
99	63.9	52.5	78.7		

Manual Integrations
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5/10/2018 1:52:00 PM



#56

Ethyl methacrylate

Concen: 53.59 ug/l

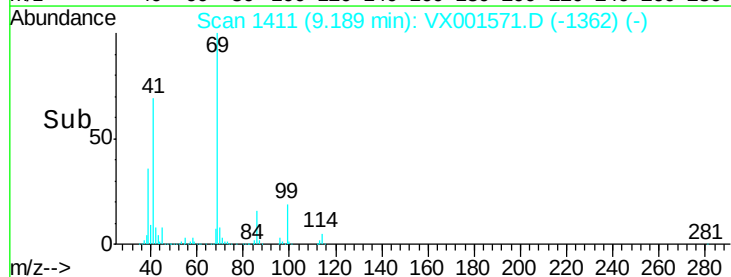
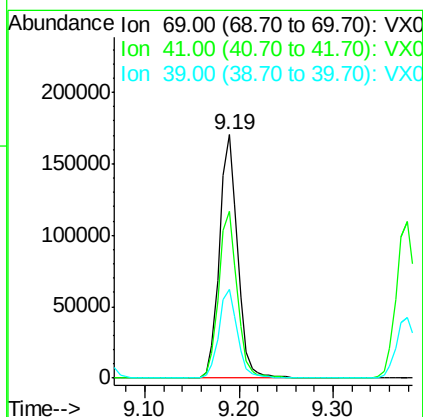
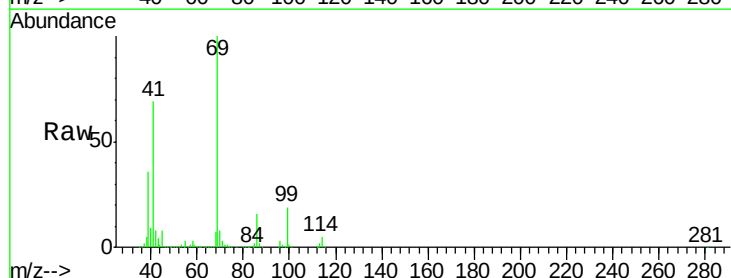
RT: 9.19 min Scan# 1411

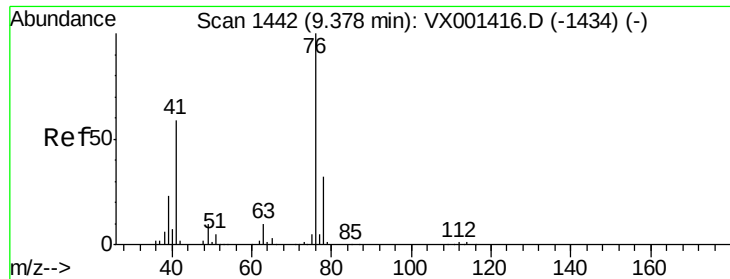
Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		228851		
41	69.8	55.1	82.7		
39	37.5	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 52.44 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 256893

Ion Ratio Lower Upper

76 100

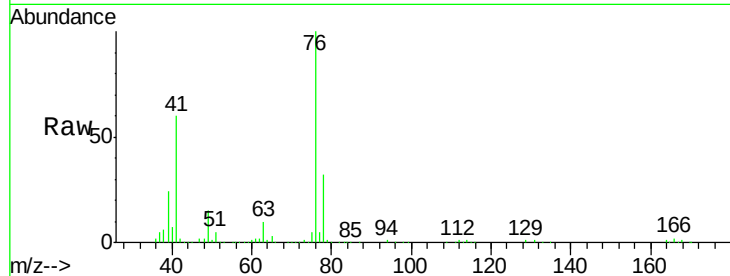
78 32.3 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

200000

150000

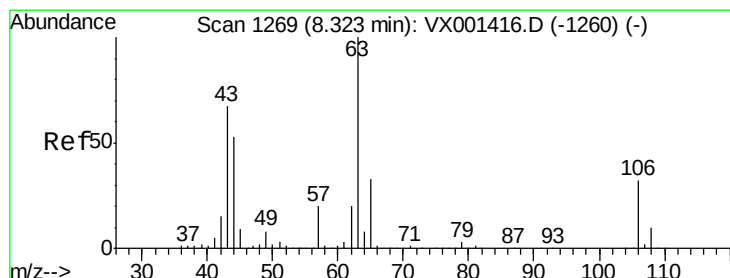
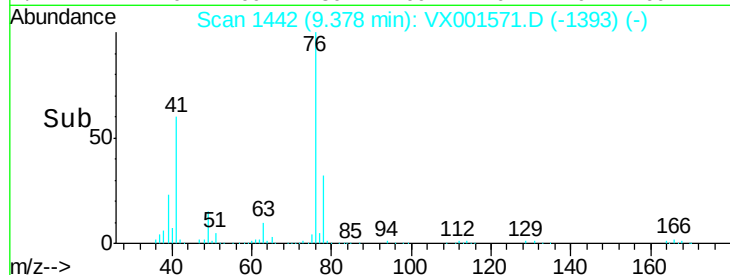
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 292.38 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX001571.D

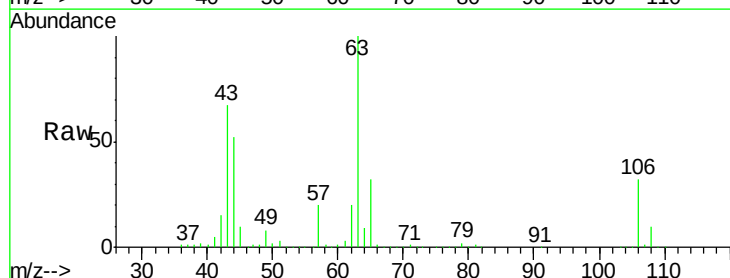
Acq: 09 May 2018 22:27

Tgt Ion: 63 Resp: 612423

Ion Ratio Lower Upper

63 100

106 31.2 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

300000

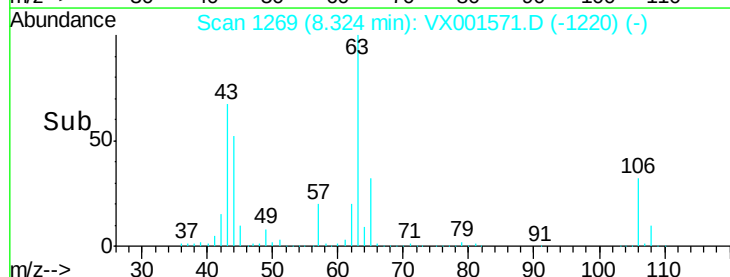
200000

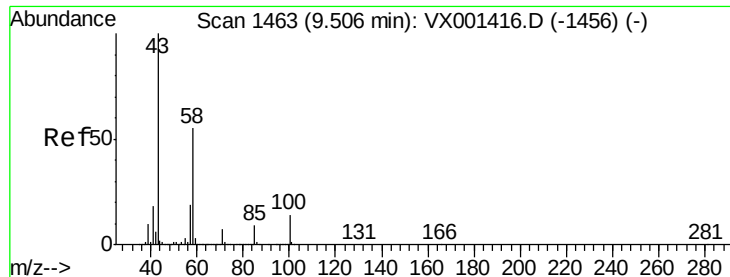
100000

0

8.20 8.30 8.40

Time-->





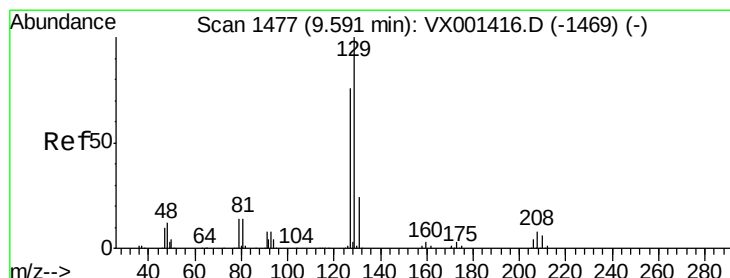
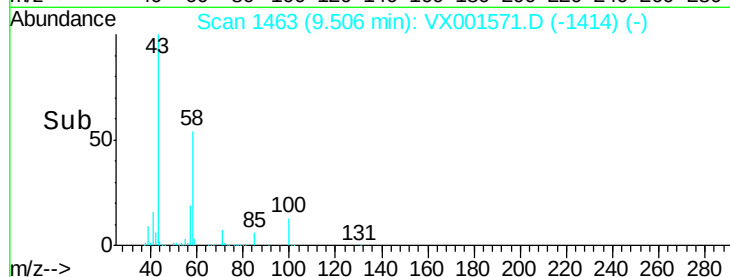
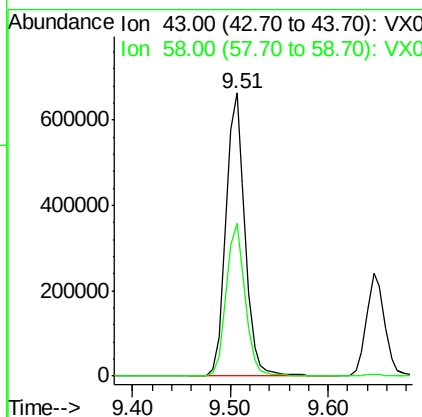
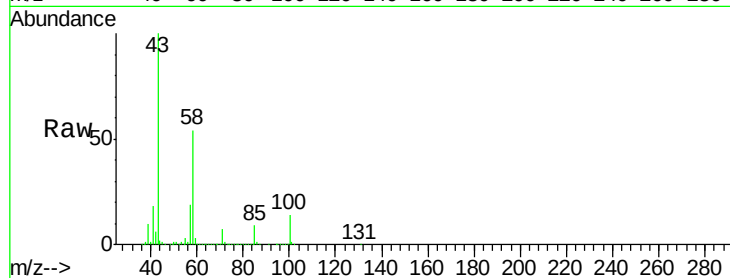
#59
2-Hexanone
Concen: 270.81 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.1	81.2

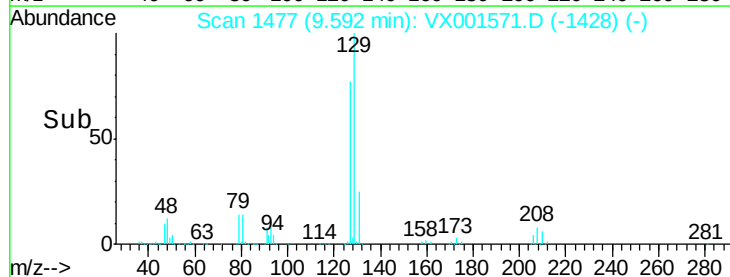
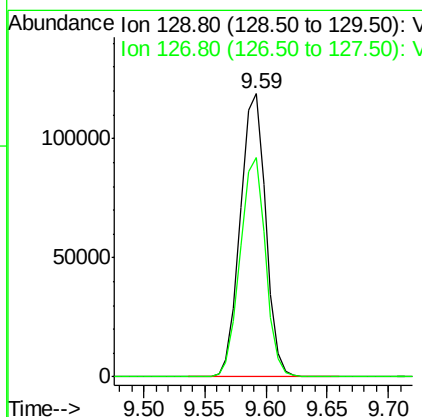
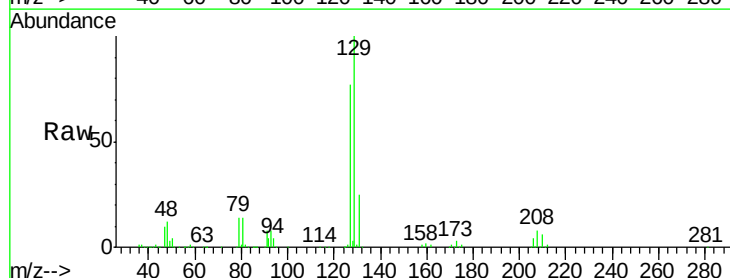
Manual Integrations
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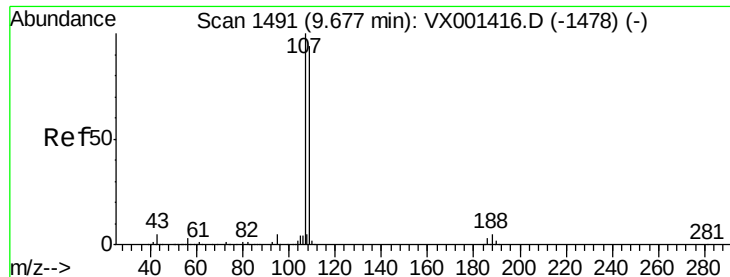
MMDadoda
5/10/2018 1:52:00 PM



#60
Dibromochloromethane
Concen: 56.51 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.1	114.5





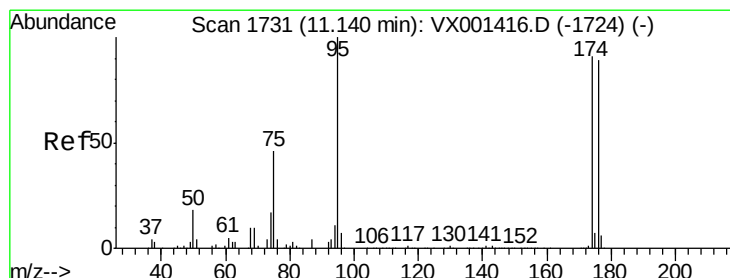
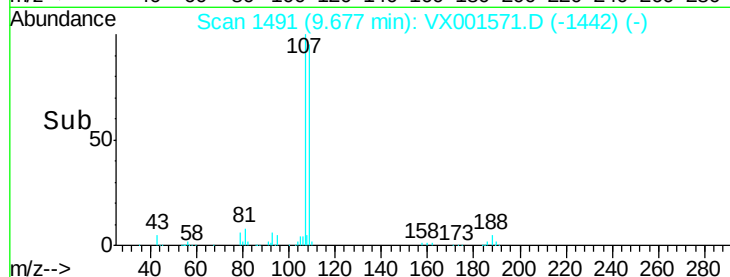
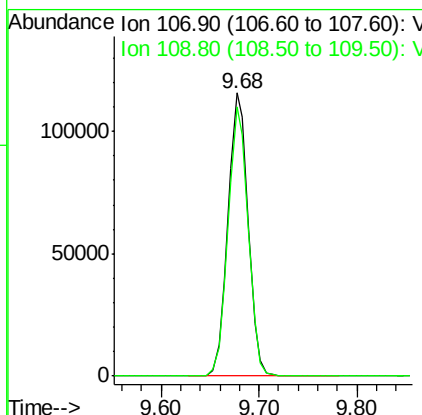
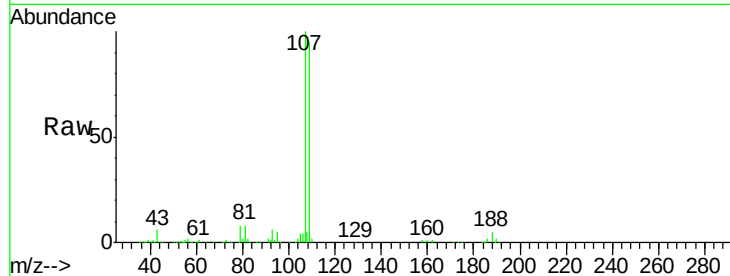
#61
 1,2-Dibromoethane
 Concen: 53.26 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX001571.D
 Acq: 09 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.5	113.3

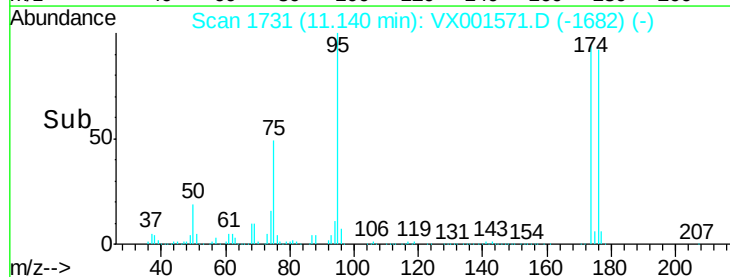
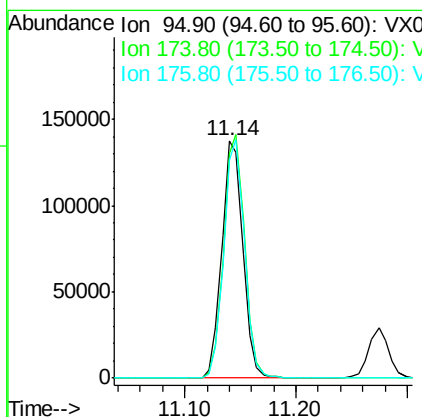
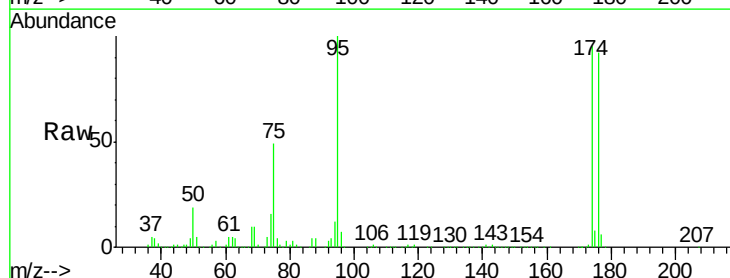
Manual Integrations
 APPROVED

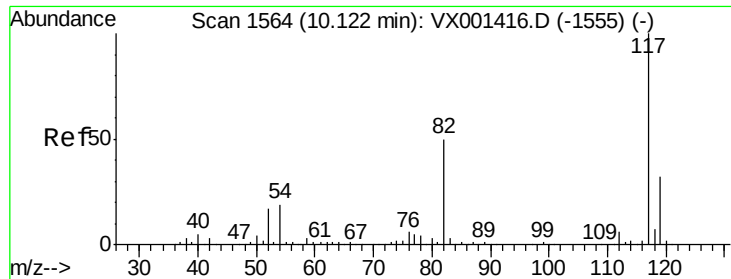
MMDadoda
 5/10/2018 1:52:00 PM



#62
 4-Bromofluorobenzene
 Concen: 47.89 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001571.D
 Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	101.5	0.0	202.0
176	98.6	0.0	197.4





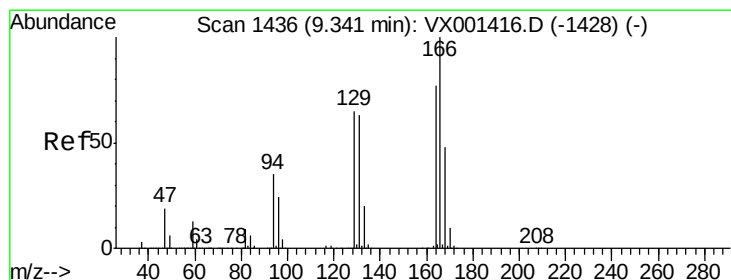
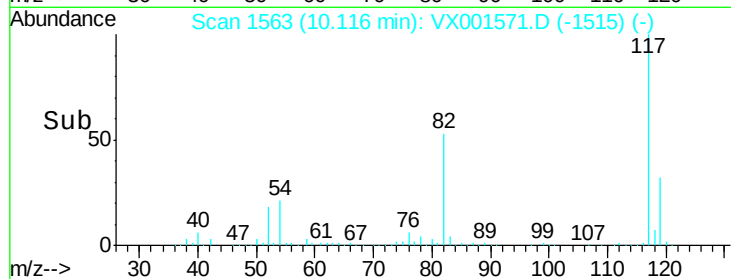
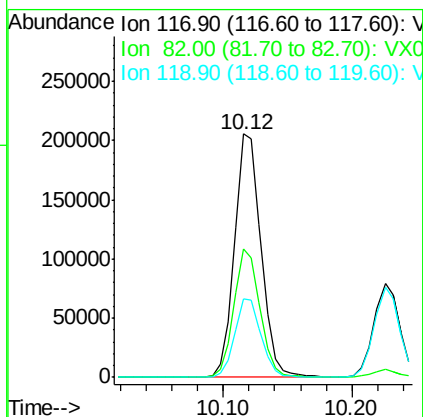
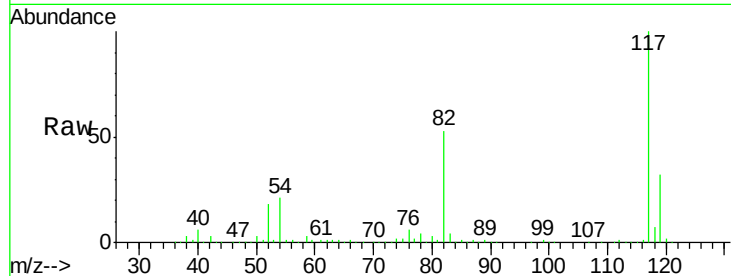
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	295685		
82	52.9		40.0	60.0
119	32.4		25.8	38.8

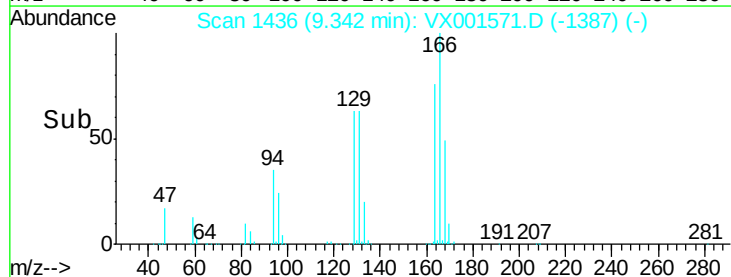
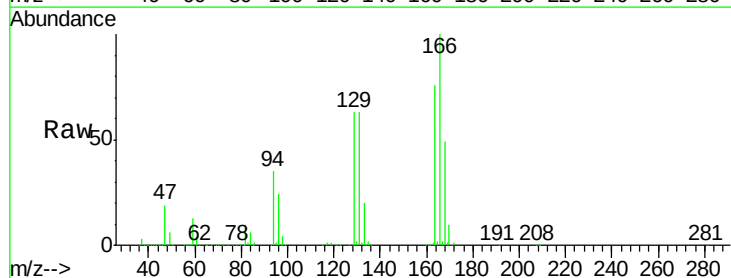
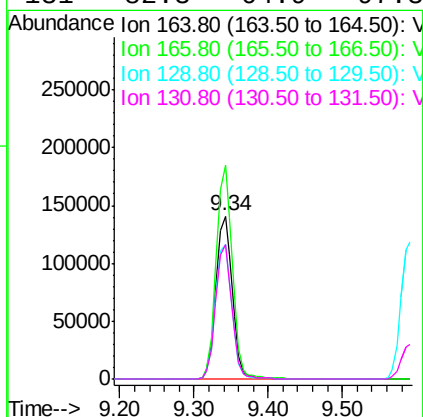
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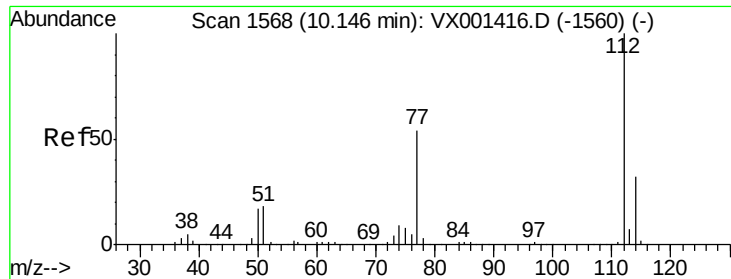
MMDadoda
5/10/2018 1:52:00 PM



#64
Tetrachloroethene
Concen: 51.66 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	212909		
166	130.9		103.5	155.3
129	82.3		66.7	100.1
131	82.3		64.9	97.3





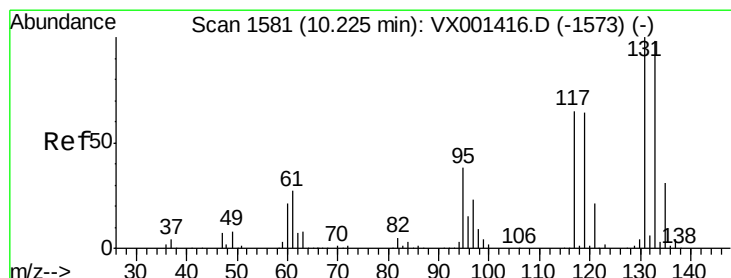
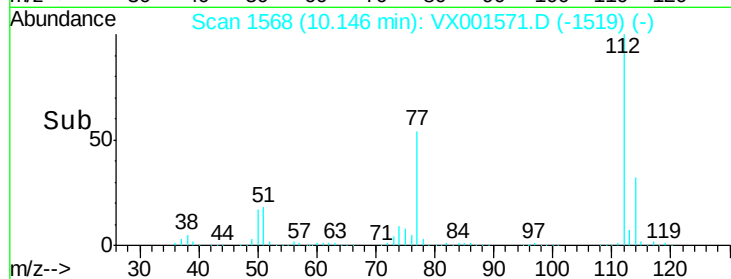
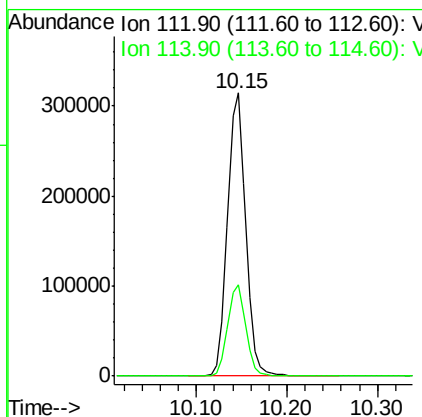
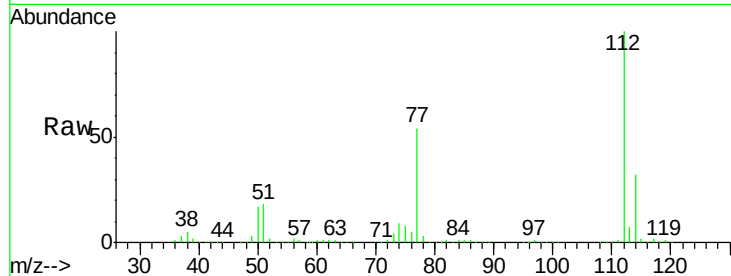
#65
Chlorobenzene
Concen: 50.72 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 439870
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0

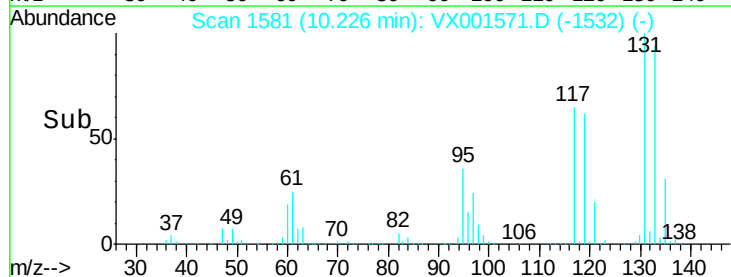
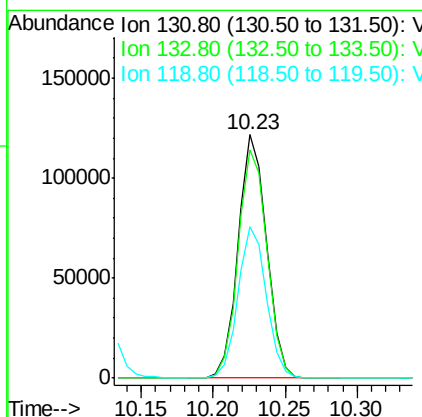
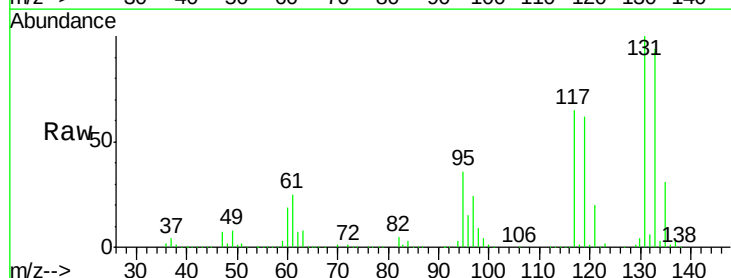
Manual Integrations
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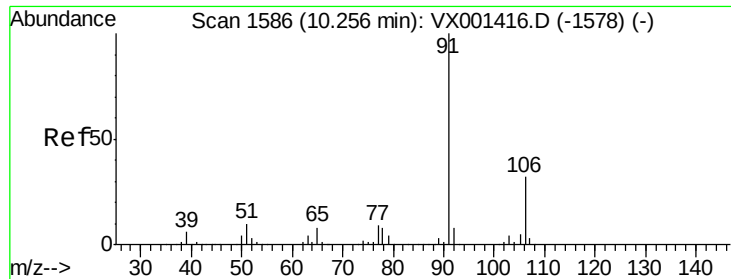
MMDadoda
5/10/2018 1:52:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.74 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion:131 Resp: 166695
Ion Ratio Lower Upper
131 100
133 95.0 47.9 143.8
119 62.1 31.1 93.3





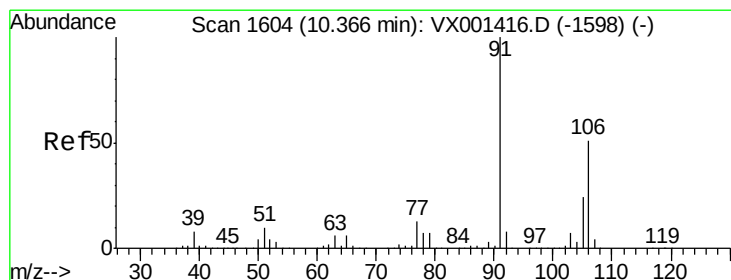
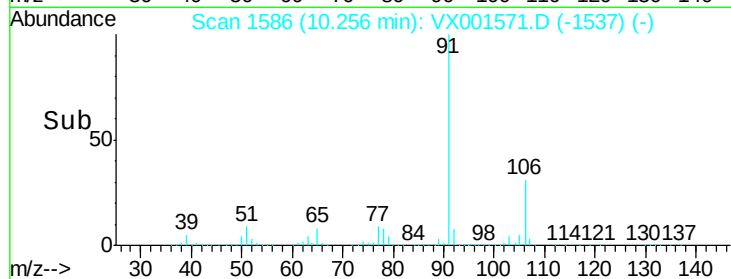
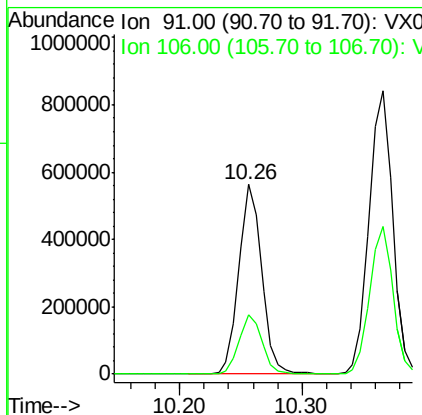
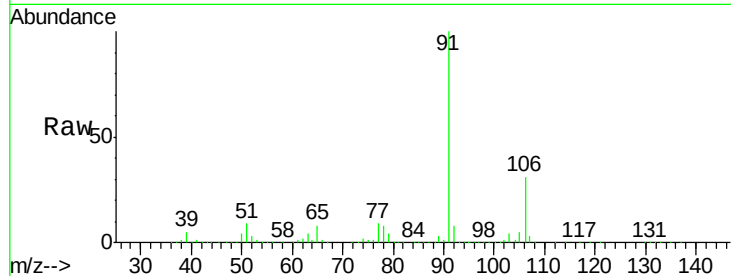
#67
Ethyl Benzene
Concen: 51.43 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 731042
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

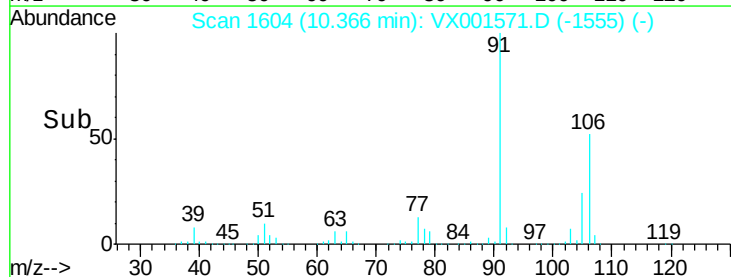
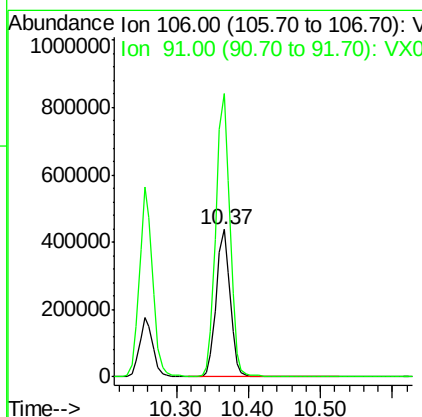
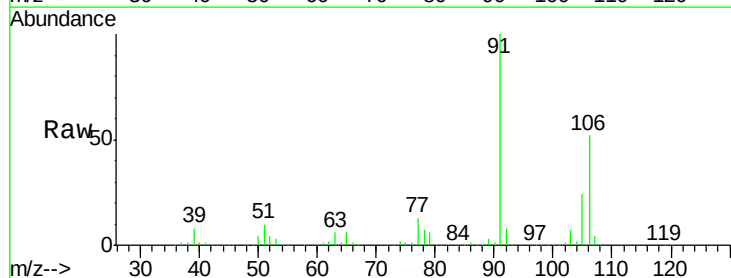
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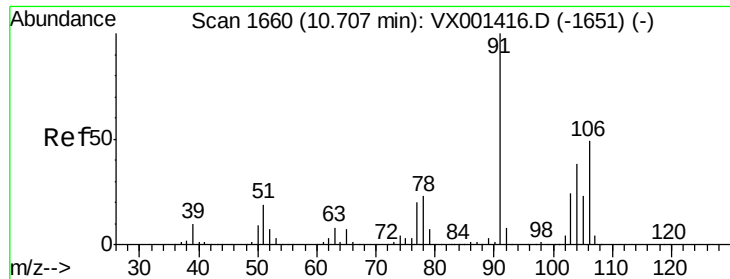
MMDadoda
5/10/2018 1:52:00 PM



#68
m/p-Xylenes
Concen: 104.02 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion: 106 Resp: 584216
Ion Ratio Lower Upper
106 100
91 194.8 157.5 236.3





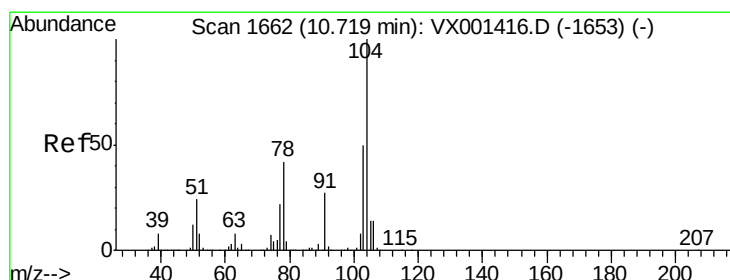
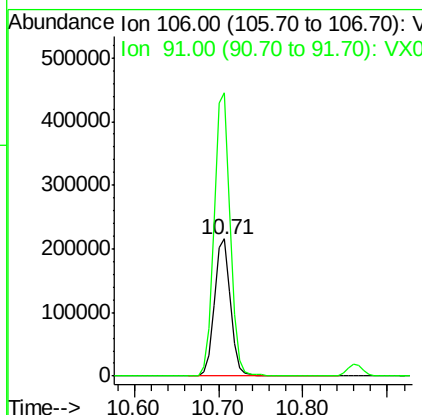
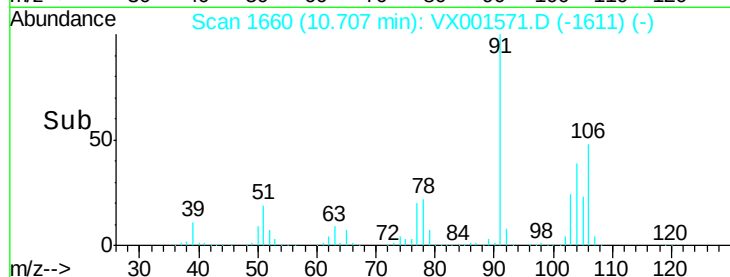
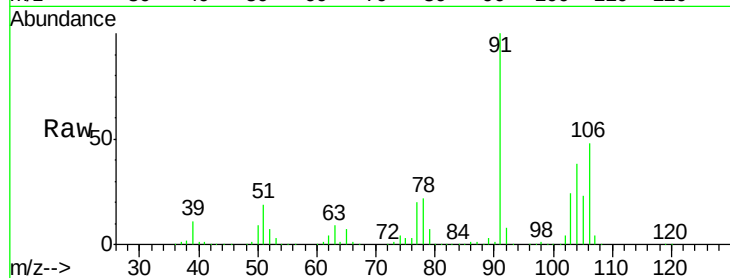
#69
o-Xylene
Concen: 52.15 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		284661		
91	207.7	103.1	309.1		

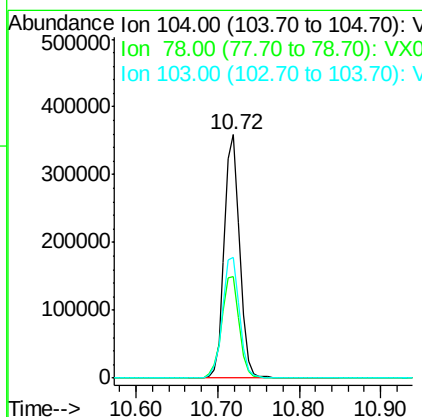
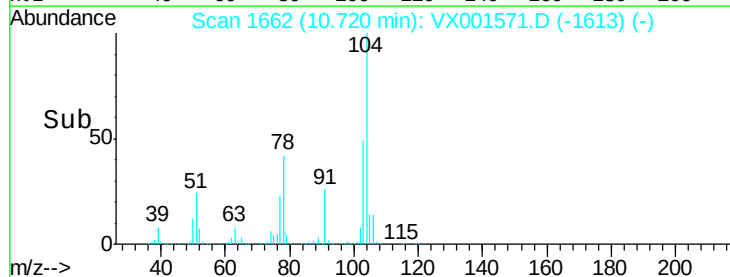
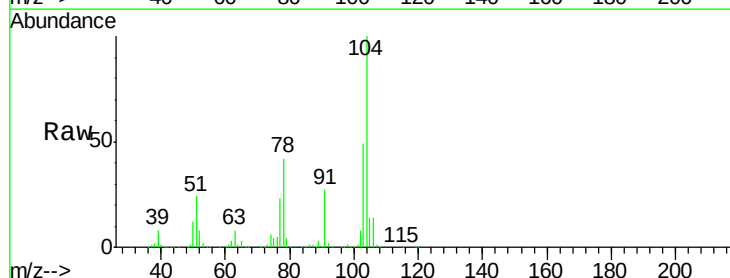
Manual Integrations
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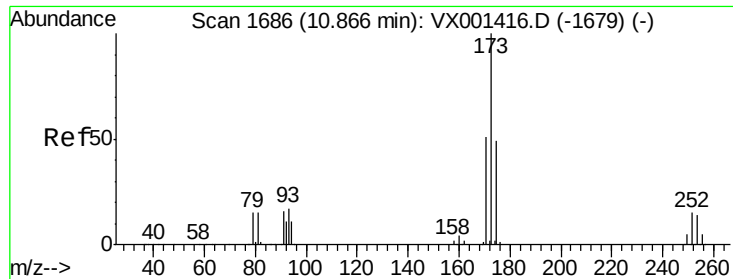
MMDadoda
5/10/2018 1:52:00 PM



#70
Styrene
Concen: 53.19 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		471629		
78	48.0	38.6	58.0		
103	55.2	44.0	66.0		





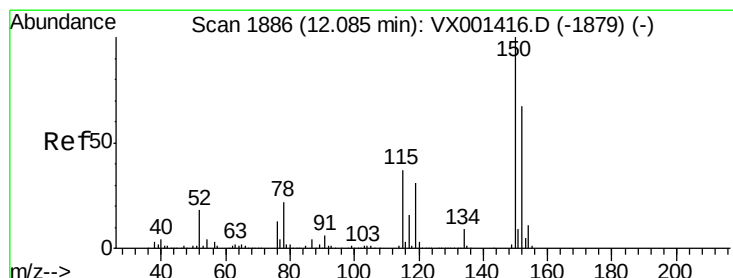
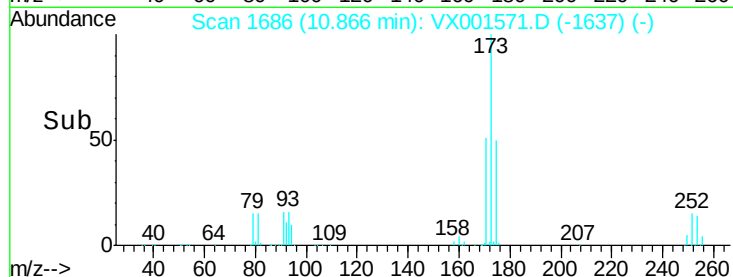
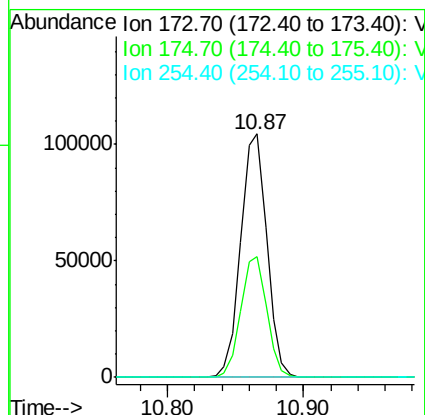
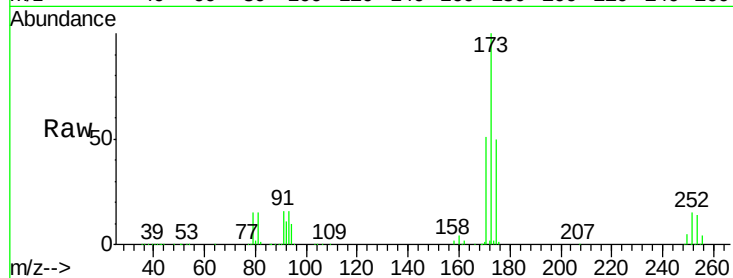
#71
Bromoform
Concen: 47.29 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.5	73.5
254	0.2	0.2	0.2

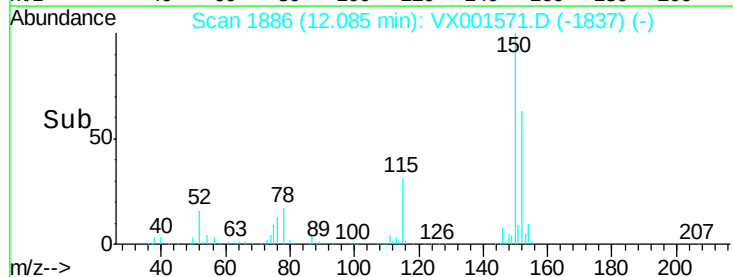
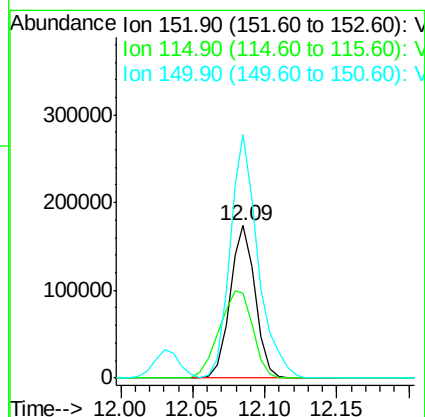
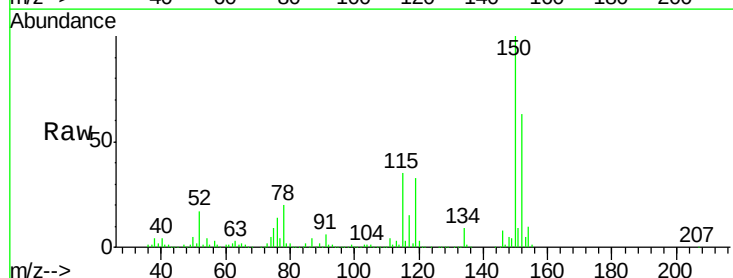
Manual Integrations
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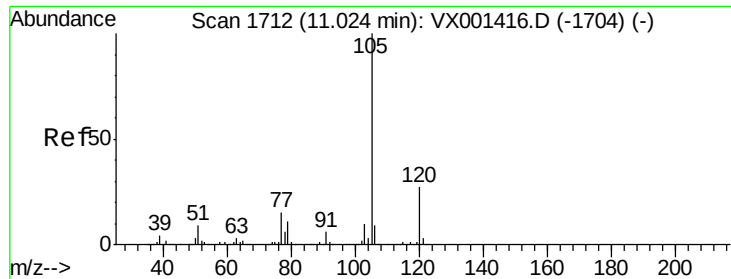
MMDadoda
5/10/2018 1:52:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.6	37.7	113.1
150	176.3	0.0	349.4





#73

Isopropylbenzene

Concen: 51.64 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 760765

Ion Ratio Lower Upper

105 100

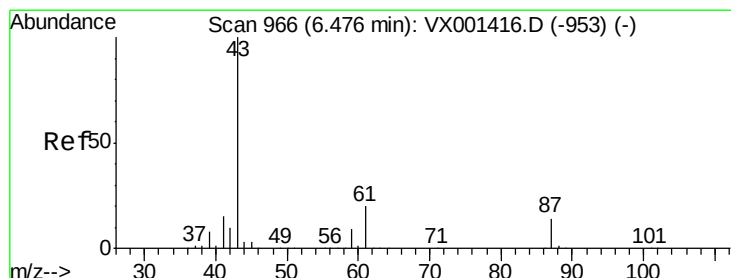
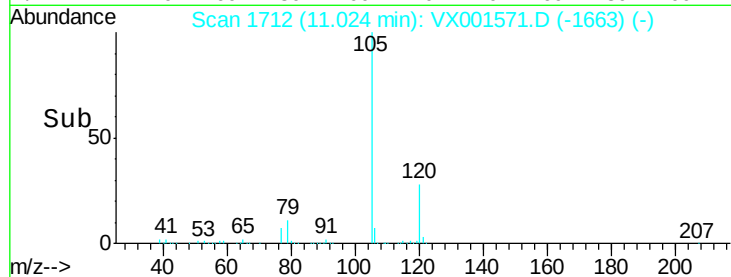
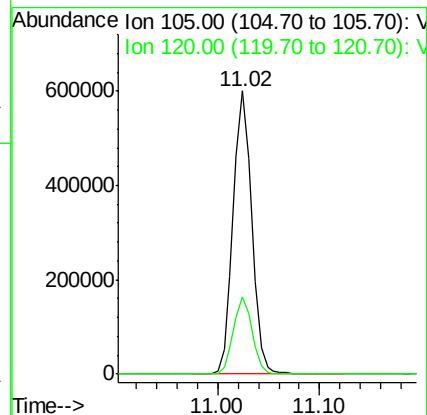
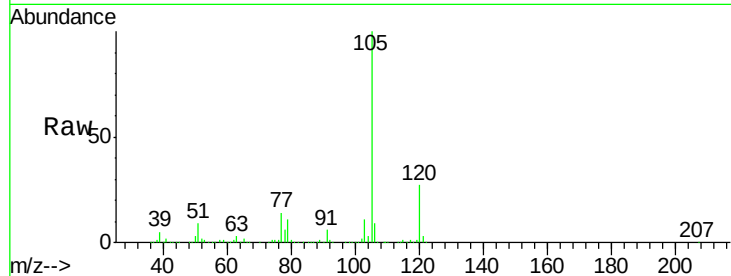
120 27.3 13.6 40.8

Manual Integrations

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MMDadoda

5/10/2018 1:52:00 PM



#74

N-ethyl acetate

Concen: 51.89 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Tgt Ion: 43 Resp: 347221

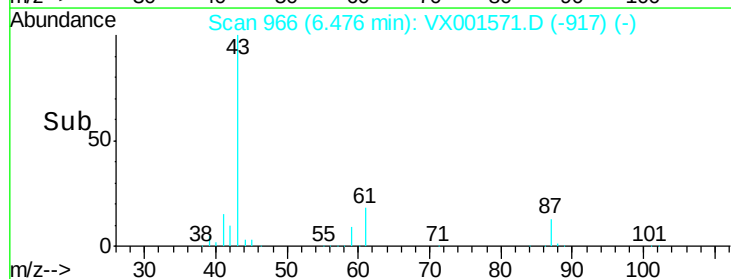
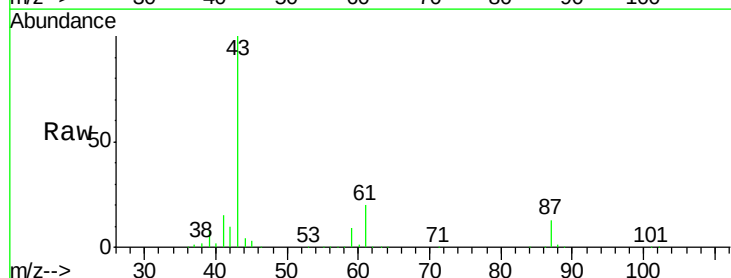
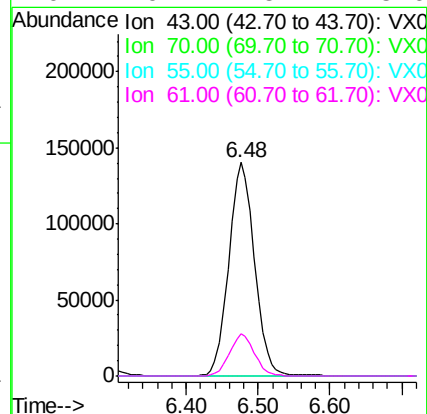
Ion Ratio Lower Upper

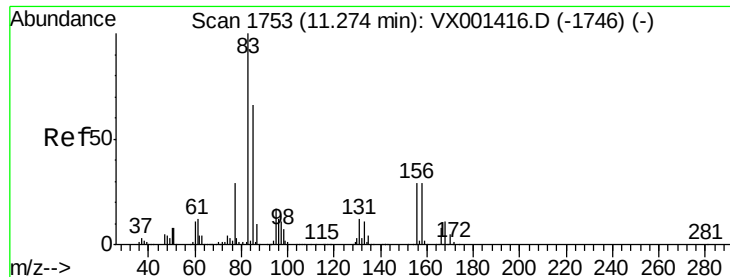
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 19.2 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.28 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 227495

Ion Ratio Lower Upper

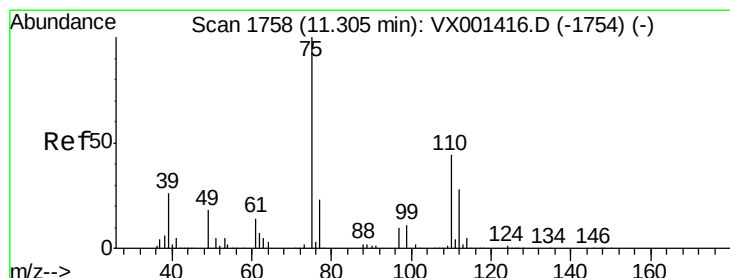
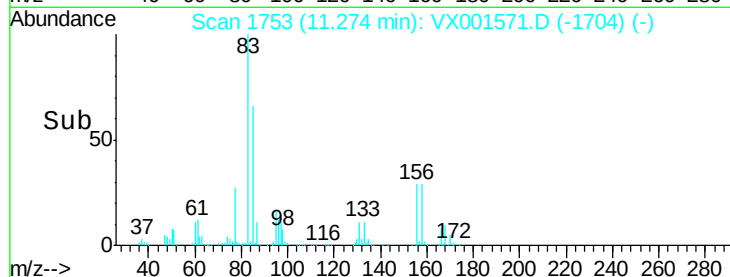
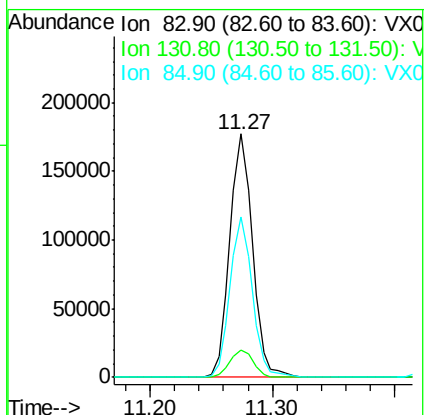
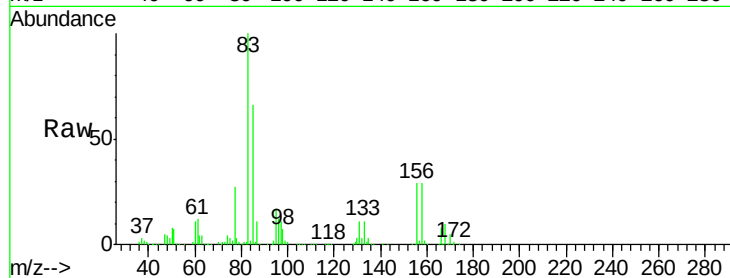
83 100

131 11.6 5.8 17.4

85 65.2 32.7 98.1

Manual Integrations
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5/10/2018 1:52:00 PM



#76

1,2,3-Trichloropropane

Concen: 51.69 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001571.D

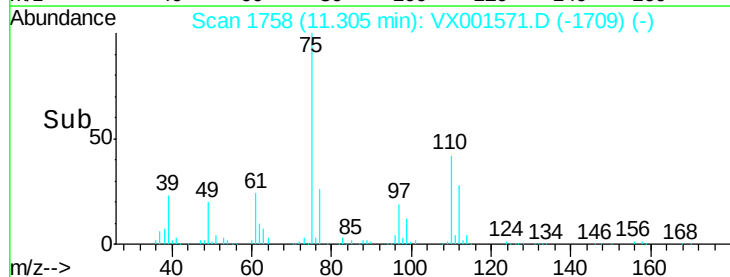
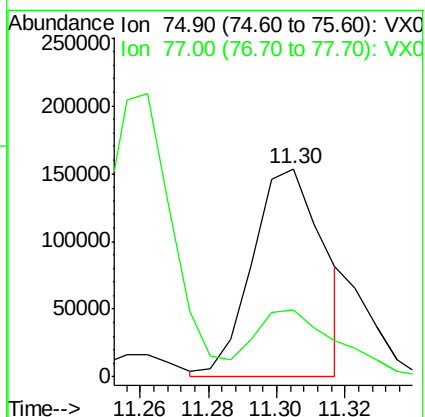
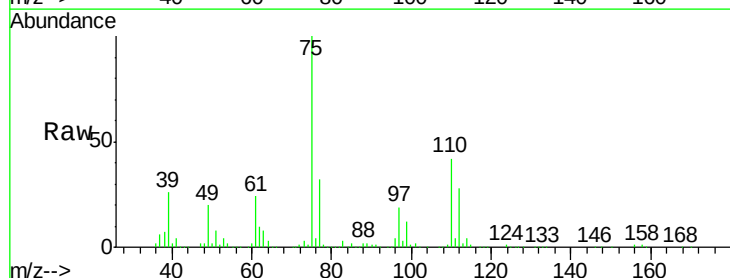
Acq: 09 May 2018 22:27

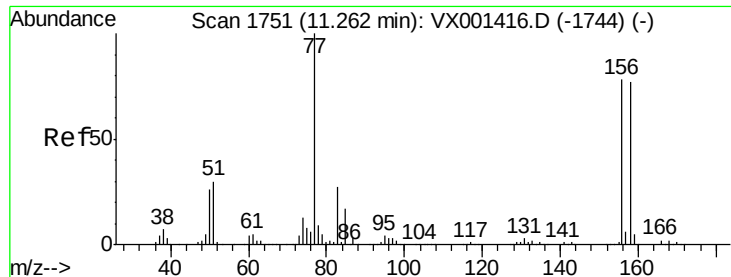
Tgt Ion: 75 Resp: 223080

Ion Ratio Lower Upper

75 100

77 37.2 19.6 58.7





#77

Bromobenzene

Concen: 50.58 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 216657

Ion Ratio Lower Upper

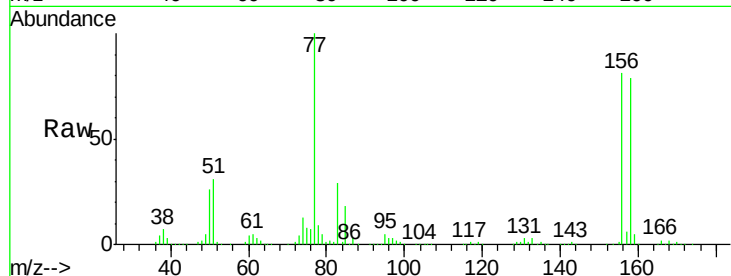
156 100

77 131.7 66.0 198.2

158 97.5 49.4 148.2

Manual Integrations
APPROVED

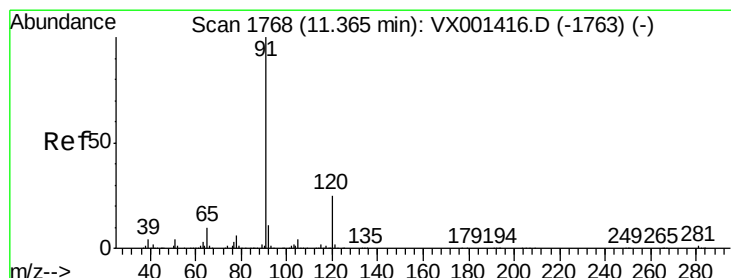
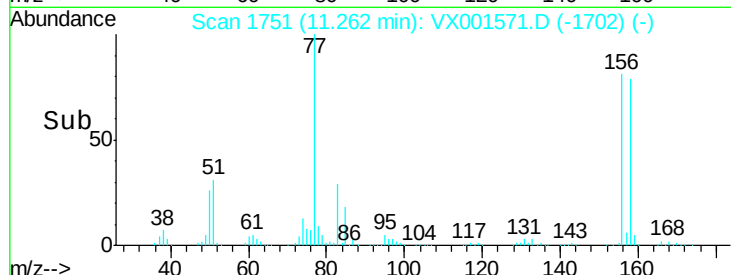
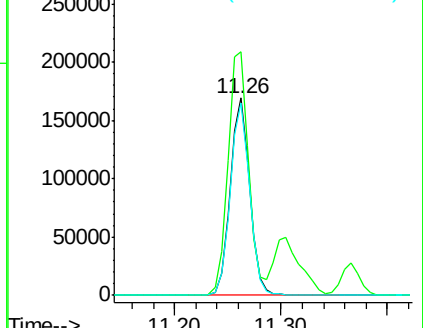
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.27 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001571.D

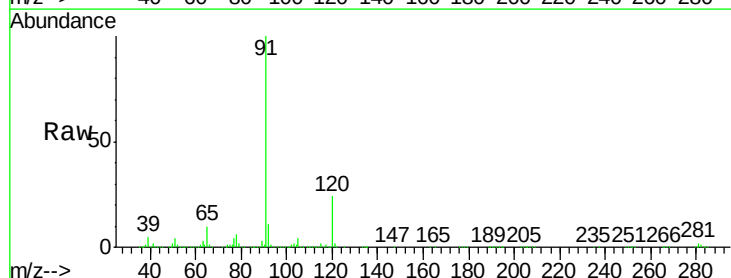
Acq: 09 May 2018 22:27

Tgt Ion: 91 Resp: 838622

Ion Ratio Lower Upper

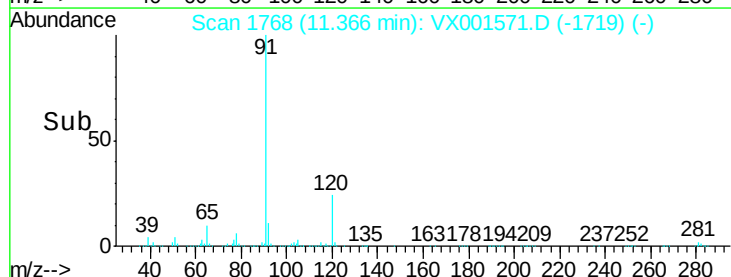
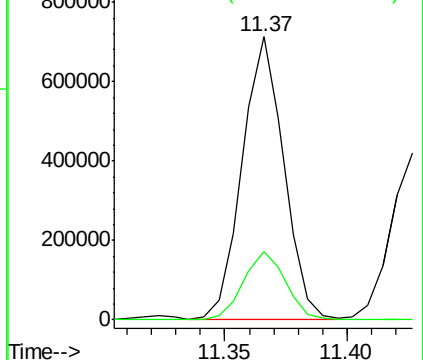
91 100

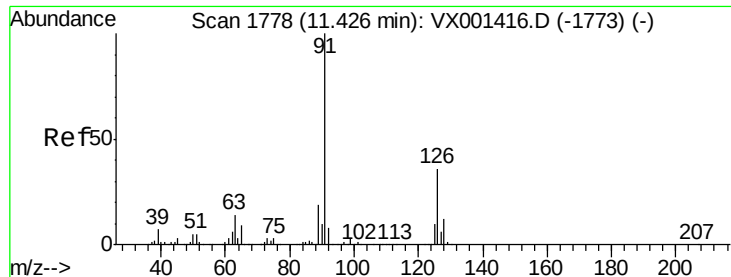
120 24.8 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.41 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 507554

Ion Ratio Lower Upper

91 100

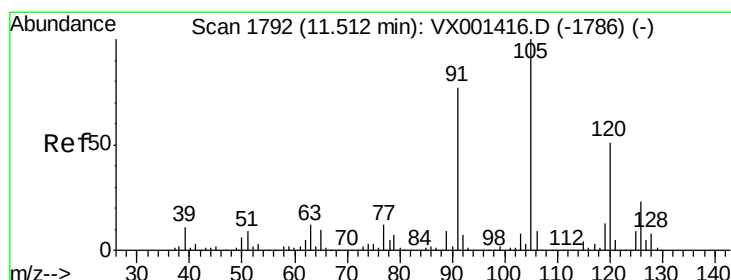
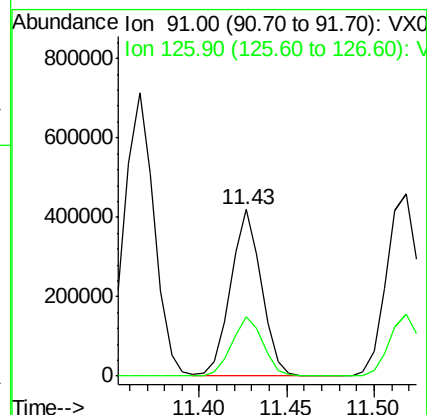
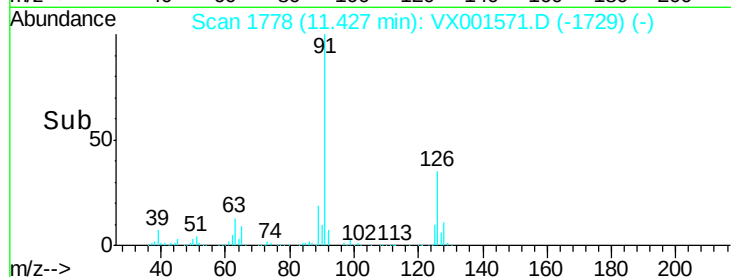
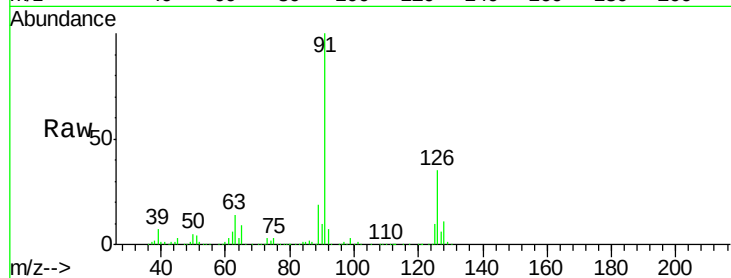
126 36.4 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 52.20 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001571.D

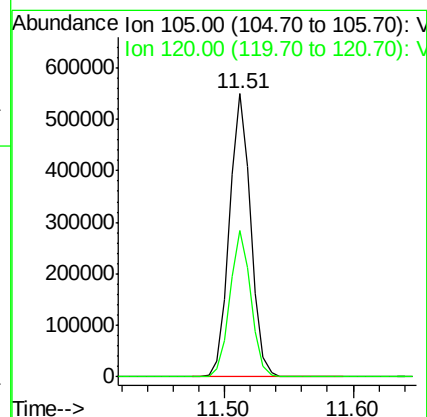
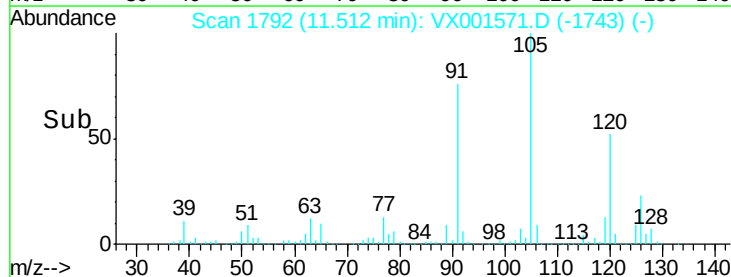
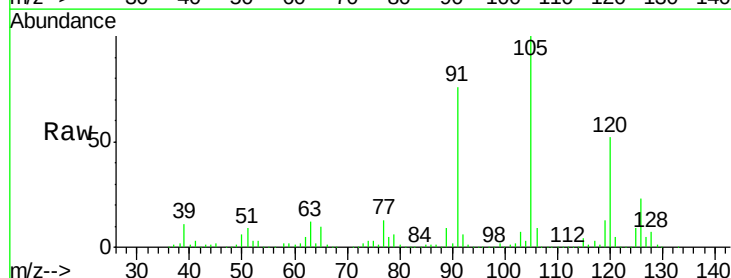
Acq: 09 May 2018 22:27

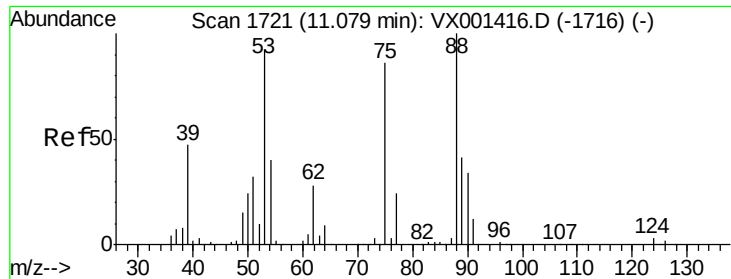
Tgt Ion: 105 Resp: 640283

Ion Ratio Lower Upper

105 100

120 51.3 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 43.19 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 57606

Ion Ratio Lower Upper

75 100

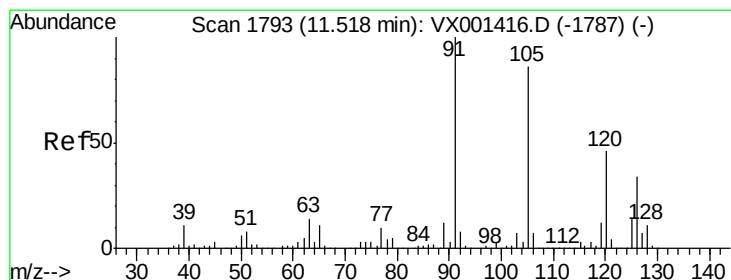
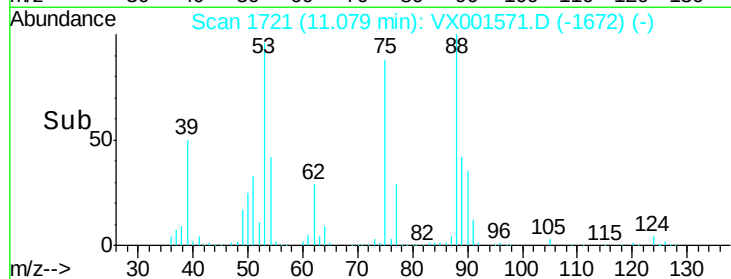
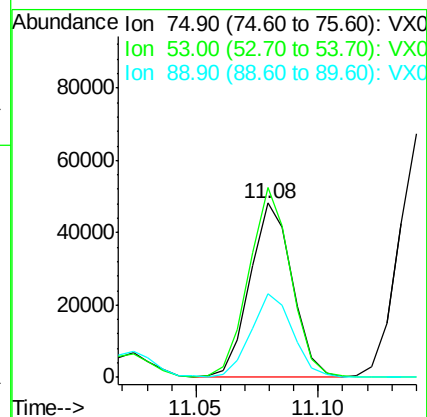
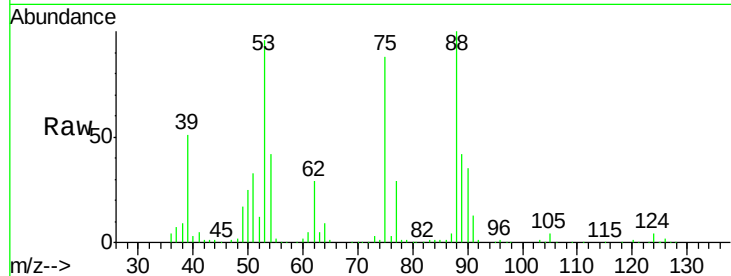
53 107.7 84.5 126.7

89 48.0 39.5 59.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.77 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001571.D

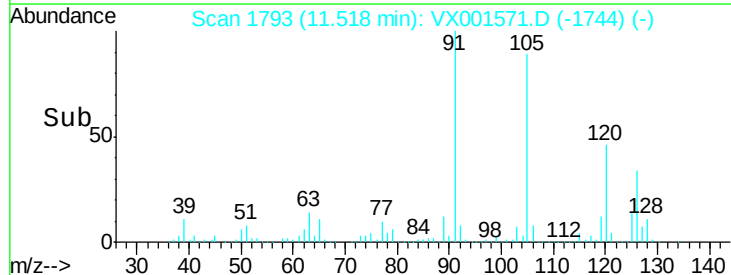
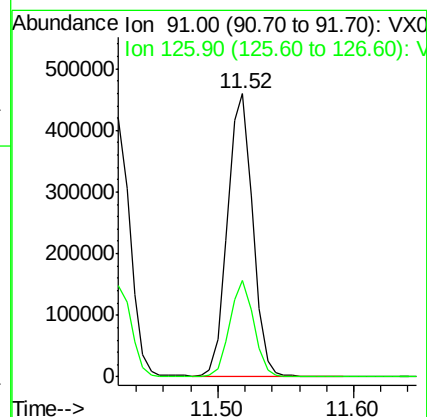
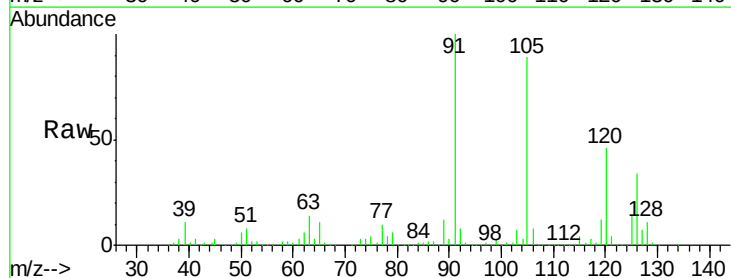
Acq: 09 May 2018 22:27

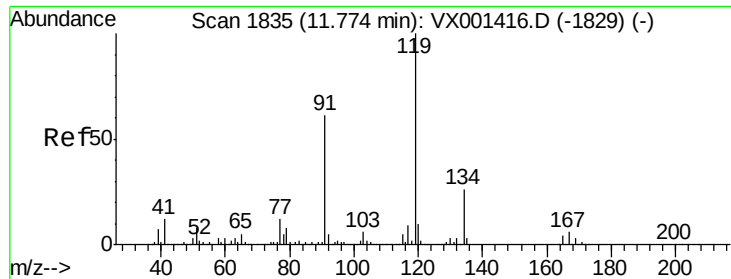
Tgt Ion: 91 Resp: 589611

Ion Ratio Lower Upper

91 100

126 32.6 16.2 48.5





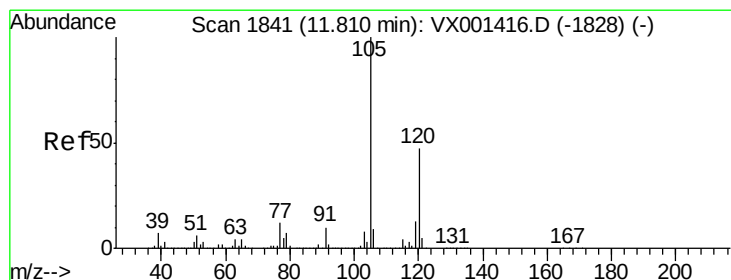
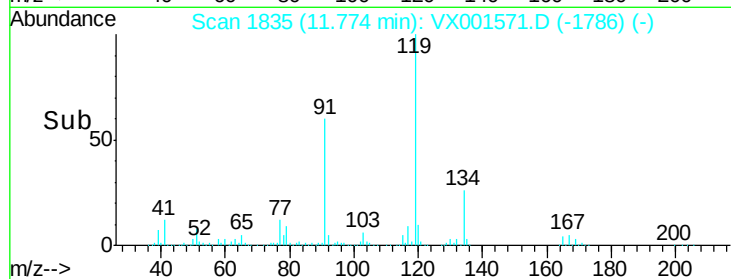
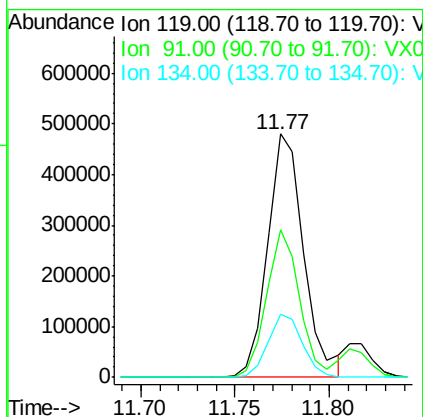
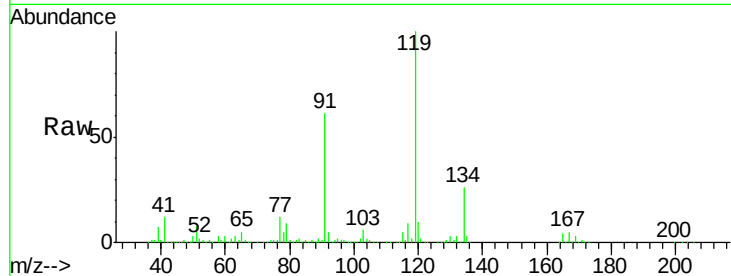
#83
 tert-Butylbenzene
 Concen: 52.23 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001571.D
 Acq: 09 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.3	27.8	83.3
134	24.8	12.4	37.0

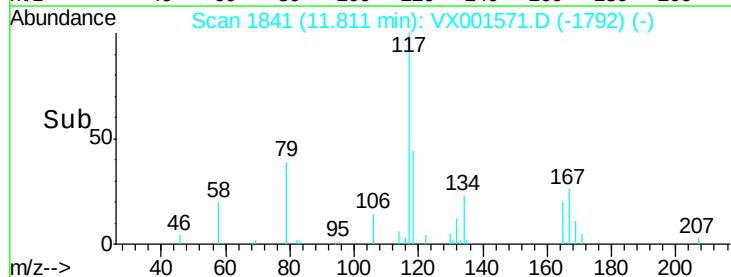
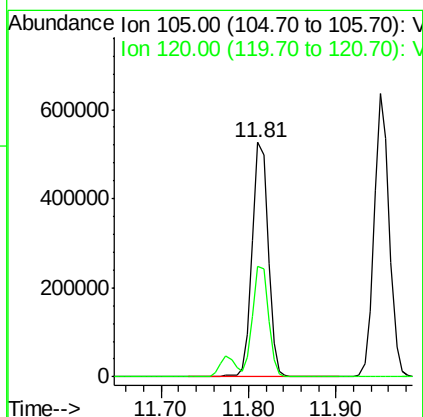
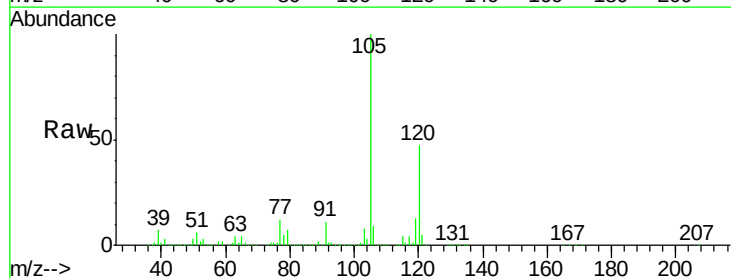
Manual Integrations
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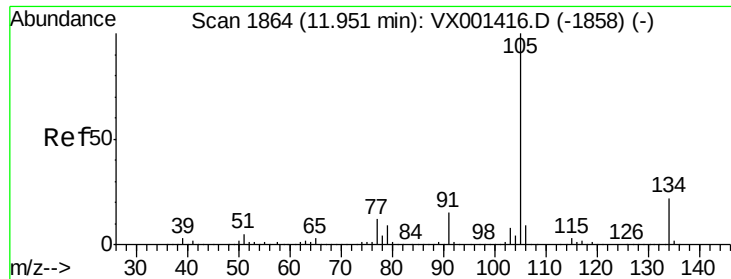
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 5/10/2018 1:52:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.44 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001571.D
 Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.2





#85

sec-Butylbenzene

Concen: 52.73 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 772486

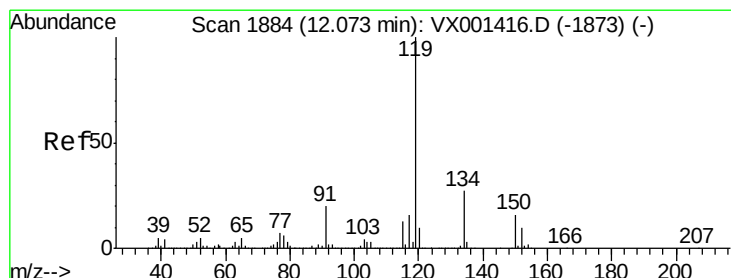
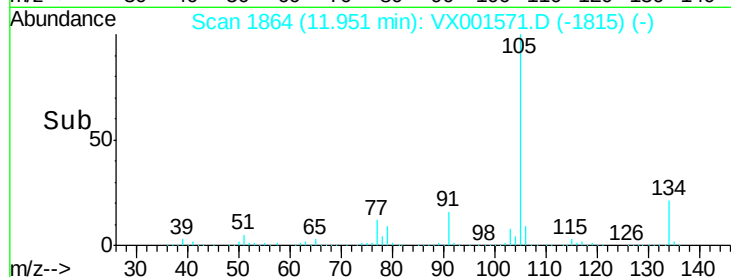
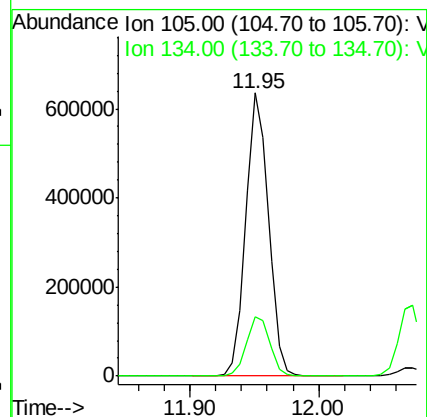
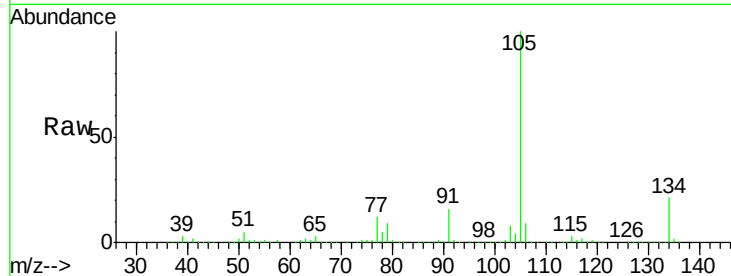
Ion Ratio Lower Upper

105 100

134 21.6 10.9 32.9

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#86

p-Isopropyltoluene

Concen: 52.71 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001571.D

Acq: 09 May 2018 22:27

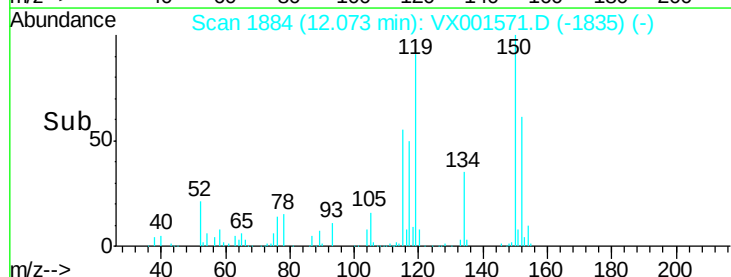
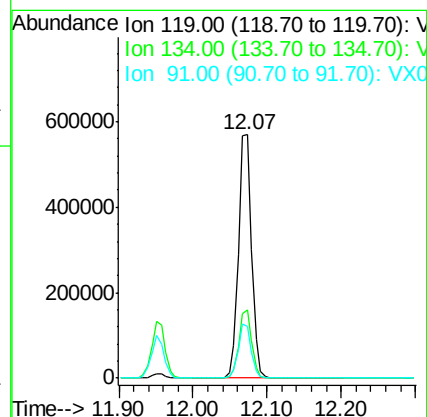
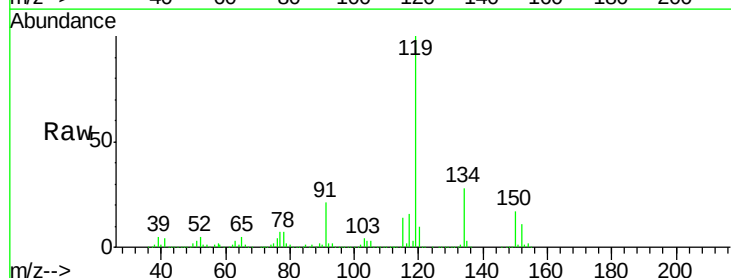
Tgt Ion:119 Resp: 708324

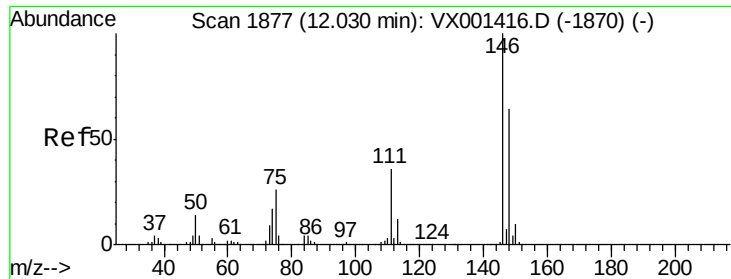
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 21.7 10.8 32.3





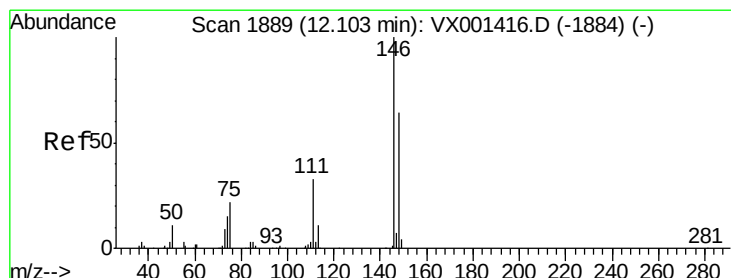
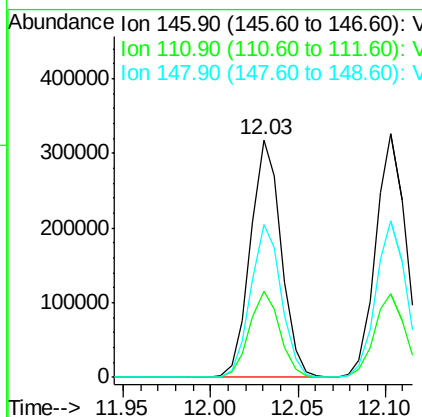
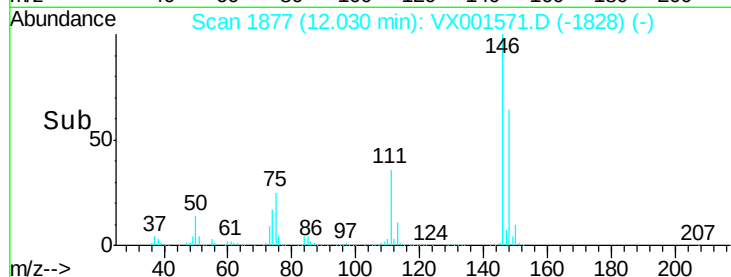
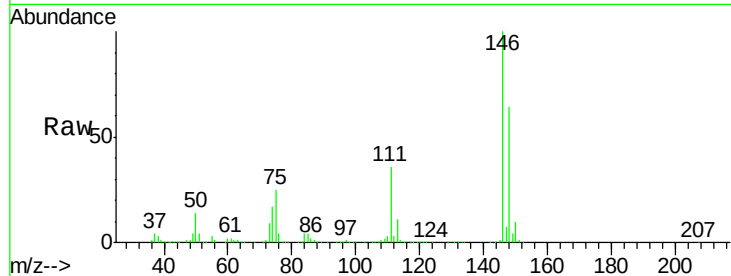
#87
 1,3-Dichlorobenzene
 Concen: 50.86 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001571.D
 Acq: 09 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.1	54.1
148	64.0	32.1	96.5

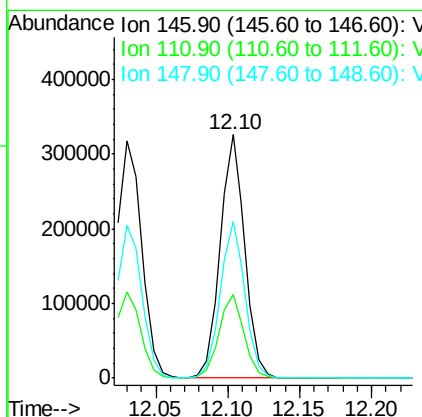
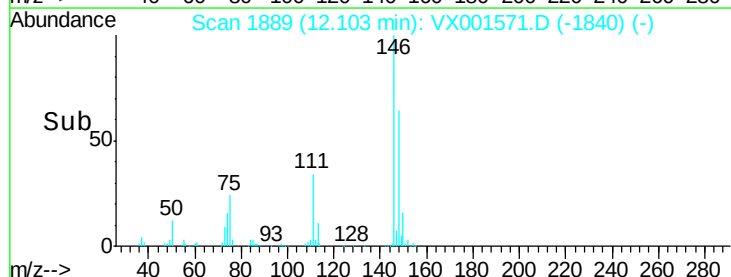
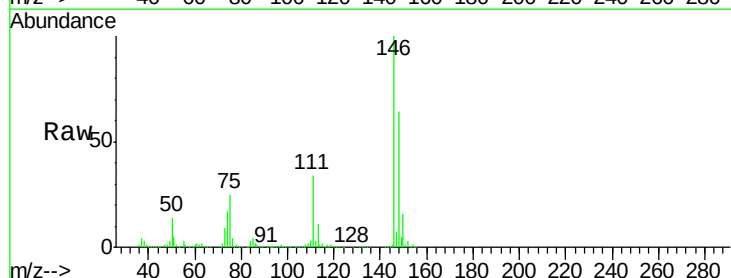
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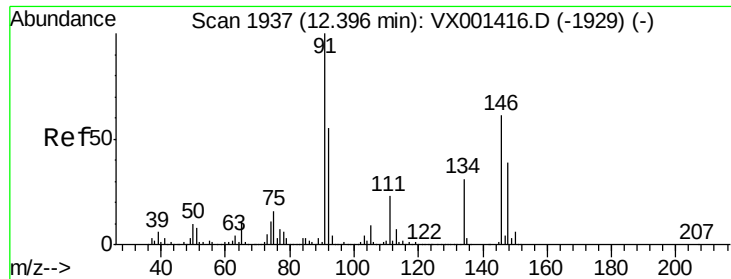
MMDadoda
 5/10/2018 1:52:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.91 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001571.D
 Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	17.4	52.3
148	64.6	32.2	96.6





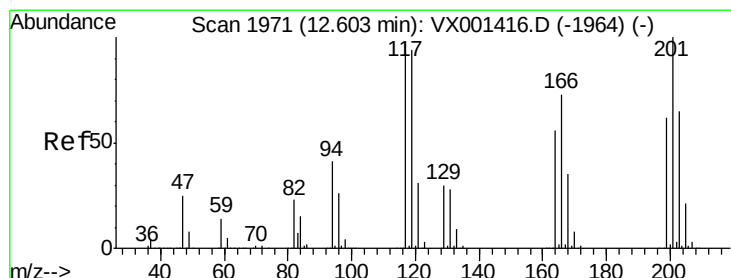
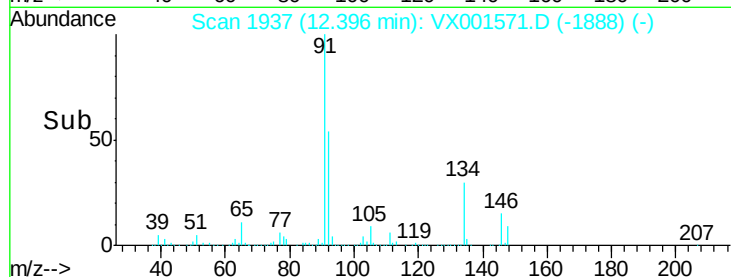
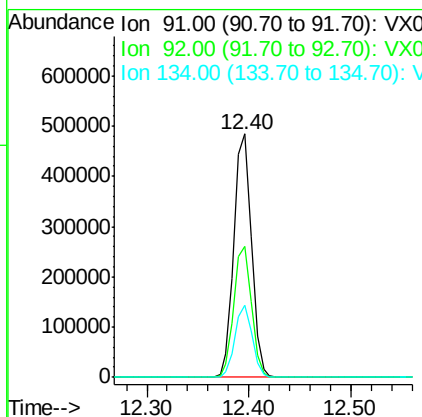
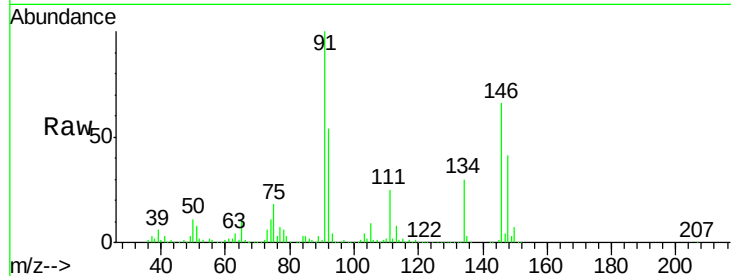
#89
n-Butylbenzene
Concen: 51.47 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.9	27.2	81.5	
134	28.8	14.6	44.0	

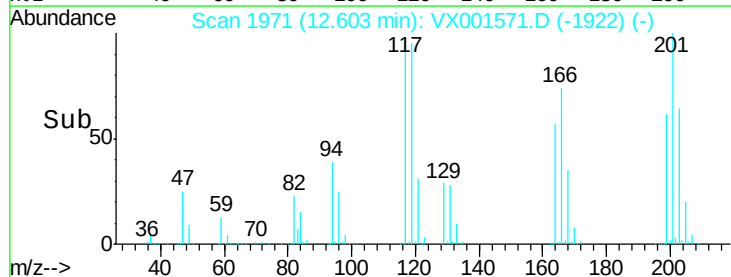
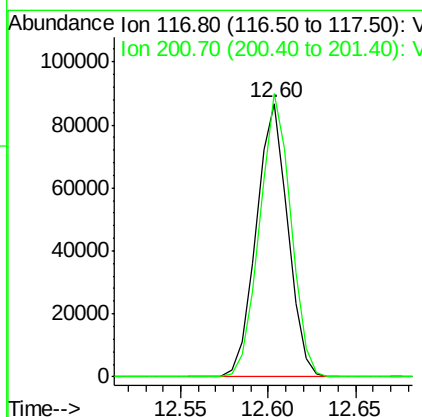
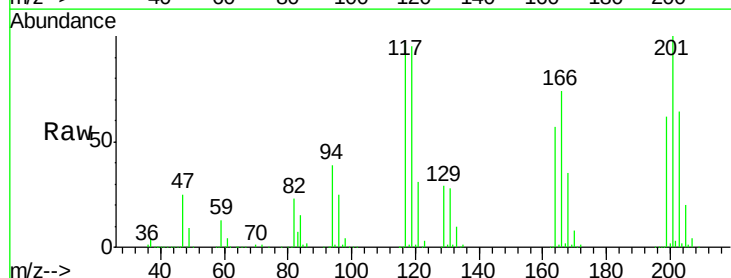
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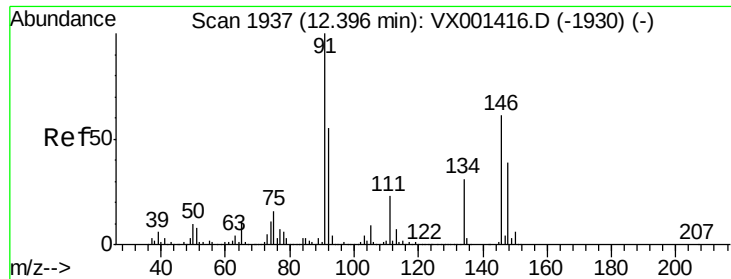
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5/10/2018 1:52:00 PM



#90
Hexachloroethane
Concen: 53.81 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	102.1	51.5	154.5	





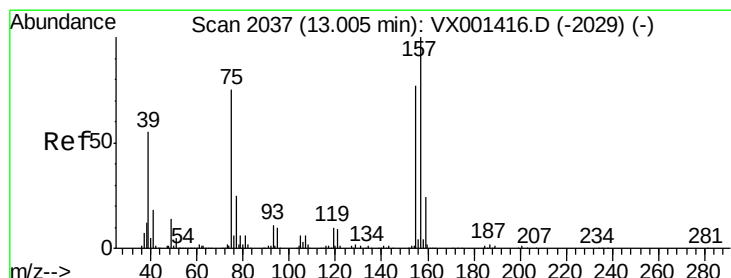
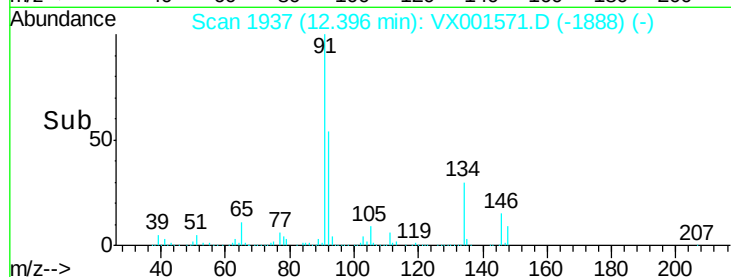
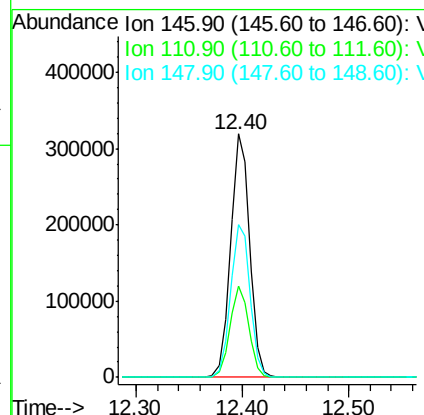
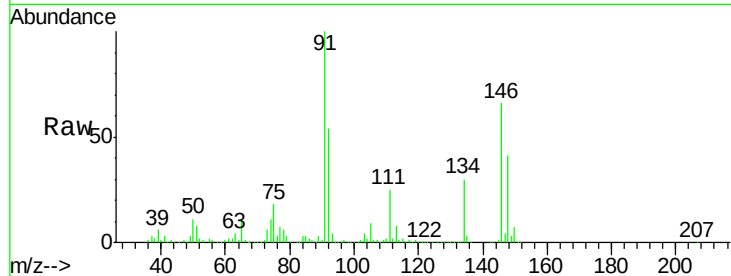
#91
 1,2-Dichlorobenzene
 Concen: 51.21 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001571.D
 Acq: 09 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	398929		
111	37.3	18.6	55.8	
148	64.2	32.1	96.5	

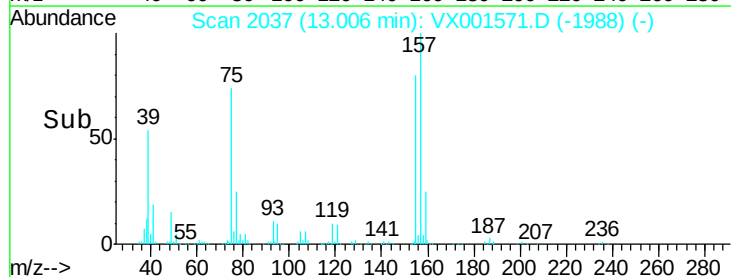
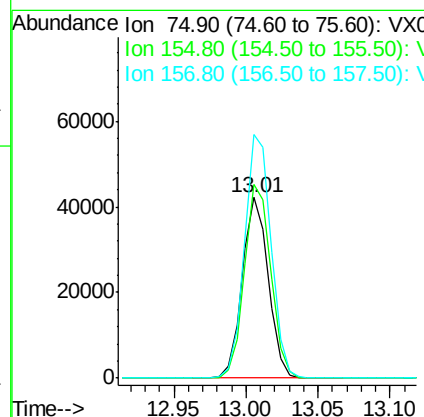
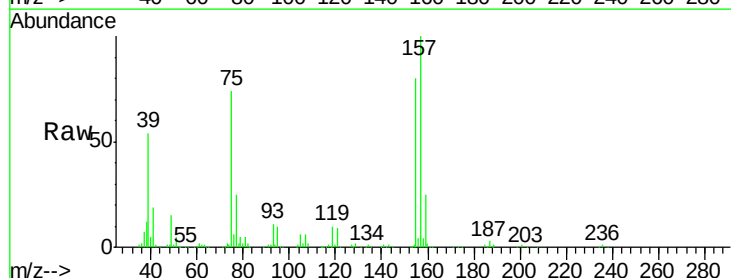
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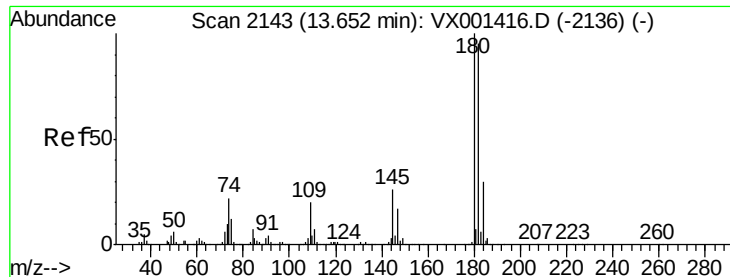
MMDadoda
 5/10/2018 1:52:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.44 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001571.D
 Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52996		
155	108.2	53.4	160.2	
157	136.7	68.3	204.8	





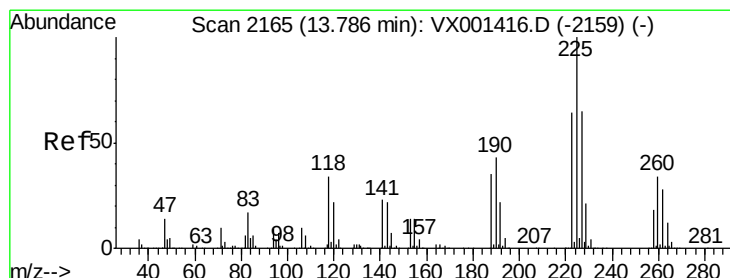
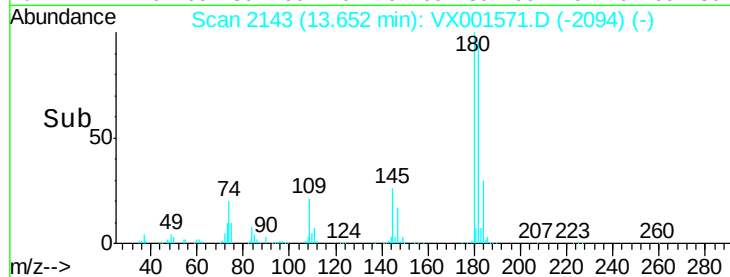
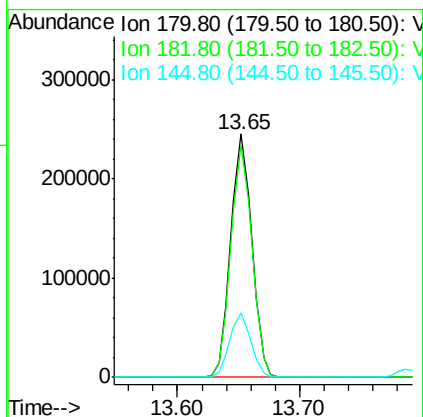
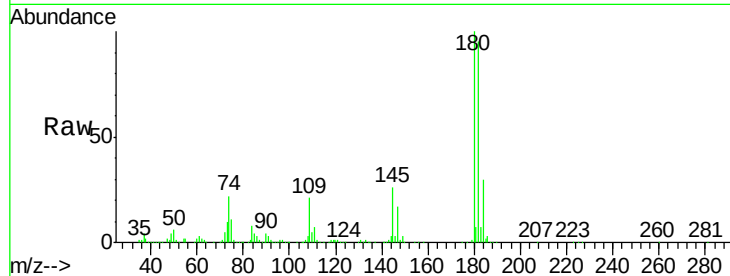
#93
 1,2,4-Trichlorobenzene
 Concen: 51.15 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001571.D
 Acq: 09 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	291549		
182	95.4	47.8	143.4	
145	26.4	13.3	39.9	

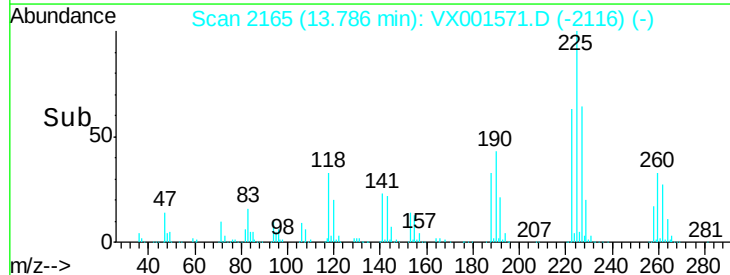
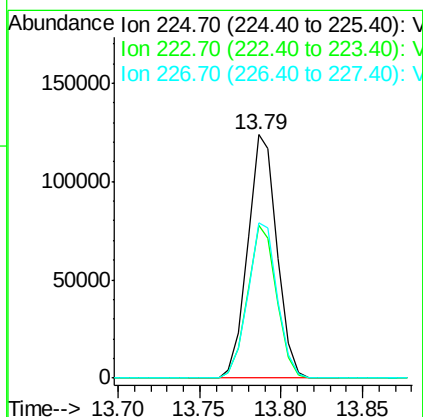
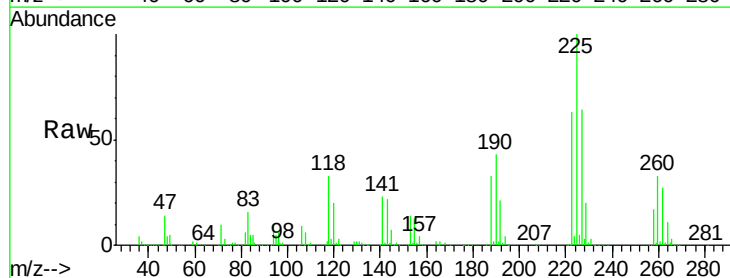
Manual Integrations
 APPROVED

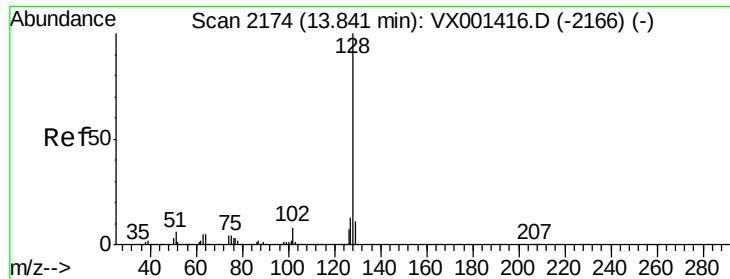
MMDadoda
 5/10/2018 1:52:00 PM



#94
 Hexachlorobutadiene
 Concen: 49.43 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001571.D
 Acq: 09 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154180		
223	62.4	31.3	93.9	
227	64.2	32.4	97.2	





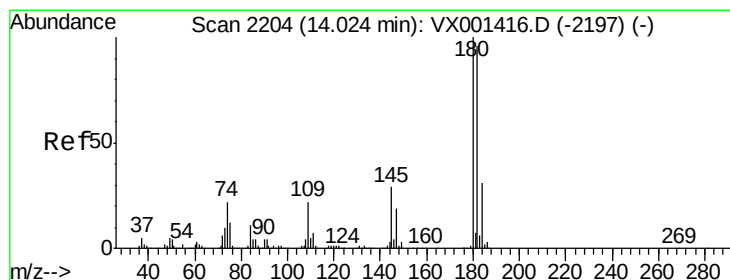
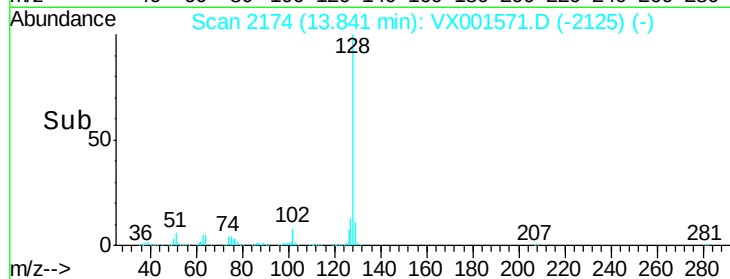
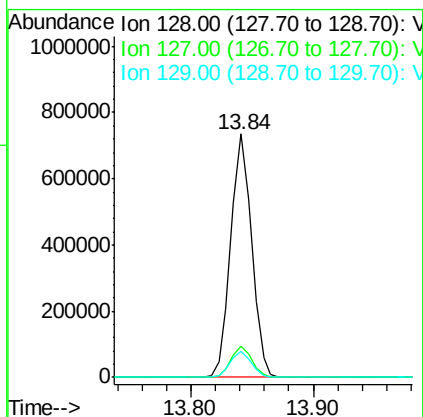
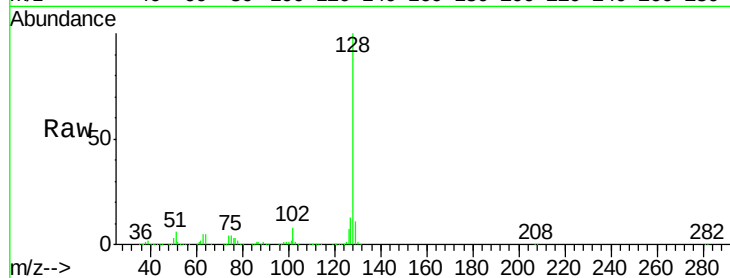
#95
Naphthalene
Concen: 54.77 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	863486
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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5/10/2018 1:52:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.77 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.01 min
Lab File: VX001571.D
Acq: 09 May 2018 22:27

Tgt Ion:	180	Resp:	302824
Ion Ratio	Lower	Upper	
180	100		
182	97.3	48.0	144.2
145	28.9	14.1	42.4

