

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101618\
 Data File : VX005355.D
 Acq On : 16 Oct 2018 08:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:34:16 AM

Quant Time: Oct 17 05:01:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	295428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	406686	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	371413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	152778	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	5.49	113	123216	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
50) Toluene-d8	8.71	98	475909	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.14	95	179573	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	121211	52.475	ug/l	97
3) Chloromethane	1.32	50	156994	46.906	ug/l	93
4) Vinyl Chloride	1.41	62	155587	45.889	ug/l	100
5) Bromomethane	1.64	94	94444	49.329	ug/l	99
6) Chloroethane	1.71	64	96098	47.785	ug/l	95
7) Trichlorofluoromethane	1.92	101	220890	48.820	ug/l	95
8) Diethyl Ether	2.19	74	88843	45.982	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	133320	51.051	ug/l	96
10) Methyl Iodide	2.51	142	155025	53.933	ug/l	99
11) Tert butyl alcohol	3.07	59	207812	224.686	ug/l	99
12) 1,1-Dichloroethene	2.37	96	122004	47.152	ug/l	97
13) Acrolein	2.29	56	91205	153.700	ug/l	98
14) Allyl chloride	2.73	41	265709	46.773	ug/l	95
15) Acrylonitrile	3.15	53	462265	220.558	ug/l	98
16) Acetone	2.45	43	455016	240.018	ug/l	96
17) Carbon Disulfide	2.57	76	356054	45.425	ug/l	99
18) Methyl Acetate	2.78	43	247573	45.903	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	437791	48.041	ug/l	97
20) Methylene Chloride	2.85	84	140355	50.833	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	131845	45.980	ug/l	95
22) Diisopropyl ether	3.87	45	480305	50.338	ug/l	92
23) Vinyl Acetate	3.82	43	2125855	254.907	ug/l	96
24) 1,1-Dichloroethane	3.70	63	267371	48.893	ug/l	98
25) 2-Butanone	4.70	43	643330	231.937	ug/l	93
26) 2,2-Dichloropropane	4.58	77	202625	49.544	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	144042	46.222	ug/l	95
28) Bromochloromethane	5.01	49	112772	45.237	ug/l	96
29) Tetrahydrofuran	5.15	42	382372	216.117	ug/l	94
30) Chloroform	5.21	83	236622	46.618	ug/l	98
31) Cyclohexane	5.57	56	210630	46.733	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	208611	47.234	ug/l	99
36) 1,1-Dichloropropene	5.80	75	185121	47.000	ug/l	99
37) Ethyl Acetate	4.86	43	234970	46.388	ug/l	97
38) Carbon Tetrachloride	5.78	117	188524	47.636	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	216428	50.771	ug/l	96
40) Benzene	6.14	78	537682	45.507	ug/l	100
41) Methacrylonitrile	5.06	41	120553	44.394	ug/l	97
42) 1,2-Dichloroethane	6.20	62	191290	45.851	ug/l	97
43) Isopropyl Acetate	6.45	43	330834	49.031	ug/l	97
44) Trichloroethene	7.21	130	149295	49.480	ug/l	98
45) 1,2-Dichloropropane	7.51	63	142023	49.002	ug/l	100
46) Dibromomethane	7.66	93	92890	48.560	ug/l	98
47) Bromodichloromethane	7.90	83	180365	50.975	ug/l	98
48) Methyl methacrylate	7.77	41	174551	49.878	ug/l	95
49) 1,4-Dioxane	7.75	88	75910	940.446	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1165089	249.375	ug/l	95
52) Toluene	8.79	92	337418	52.199	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	207016	54.062	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	221812	53.461	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	138777	50.687	ug/l	96
56) Ethyl methacrylate	9.18	69	213190	53.413	ug/l	96
57) 1,3-Dichloropropane	9.37	76	231954	50.758	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	576412	257.510	ug/l	95
59) 2-Hexanone	9.50	43	953624	253.744	ug/l	94
60) Dibromochloromethane	9.59	129	152405	53.852	ug/l	100
61) 1,2-Dibromoethane	9.67	107	144594	50.323	ug/l	99
64) Tetrachloroethene	9.34	164	156343	52.287	ug/l	99
65) Chlorobenzene	10.14	112	386636	48.939	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	141383	50.218	ug/l	99
67) Ethyl Benzene	10.25	91	663457	51.657	ug/l	96
68) m/p-Xylenes	10.36	106	522749	104.864	ug/l	96
69) o-Xylene	10.70	106	246663	51.306	ug/l	96
70) Styrene	10.71	104	419433	53.041	ug/l	97
71) Bromoform	10.86	173	129480	51.464	ug/l	99
73) Isopropylbenzene	11.02	105	683407	52.191	ug/l	100
74) N-amyl acetate	10.90	43	311060	49.253	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	227103	45.977	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	217936m	51.008	ug/l	
77) Bromobenzene	11.26	156	184077	49.166	ug/l	99
78) n-propylbenzene	11.36	91	789562	52.400	ug/l	100
79) 2-Chlorotoluene	11.42	91	466380	50.538	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	588502	52.483	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	70166	49.899	ug/l	96
82) 4-Chlorotoluene	11.51	91	556627	50.883	ug/l	100
83) tert-Butylbenzene	11.77	119	585257	51.542	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	608259	52.711	ug/l	99
85) sec-Butylbenzene	11.94	105	706381	52.567	ug/l	99
86) p-Isopropyltoluene	12.07	119	656572	54.058	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	352240	50.348	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	357299	49.922	ug/l	99
89) n-Butylbenzene	12.39	91	585885	53.128	ug/l	98
90) Hexachloroethane	12.60	117	104021	49.695	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	351510	49.235	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55209	45.821	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	276709	52.828	ug/l	99
94) Hexachlorobutadiene	13.79	225	144891	52.375	ug/l	96
95) Naphthalene	13.83	128	804013	52.928	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	275072	51.325	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 295428

Ion Ratio Lower Upper

168 100

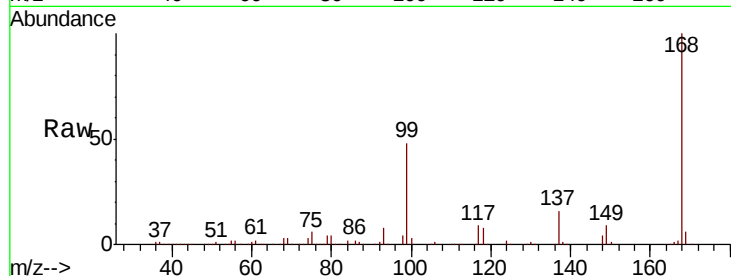
99 48.1 39.9 59.9

Manual Integrations

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10/17/2018 9:34:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

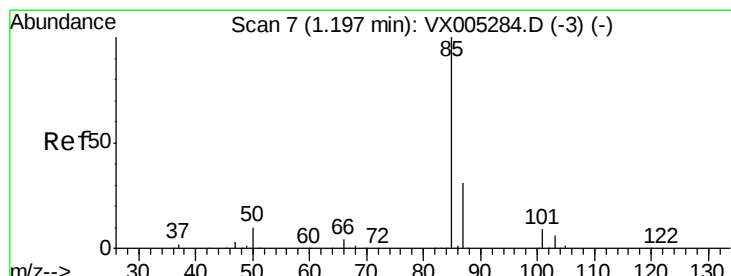
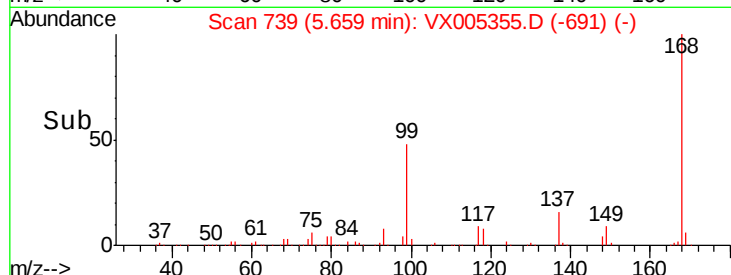
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 52.475 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005355.D

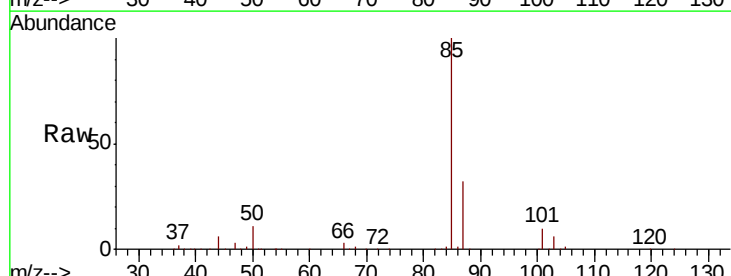
Acq: 16 Oct 2018 08:08

Tgt Ion: 85 Resp: 121211

Ion Ratio Lower Upper

85 100

87 32.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

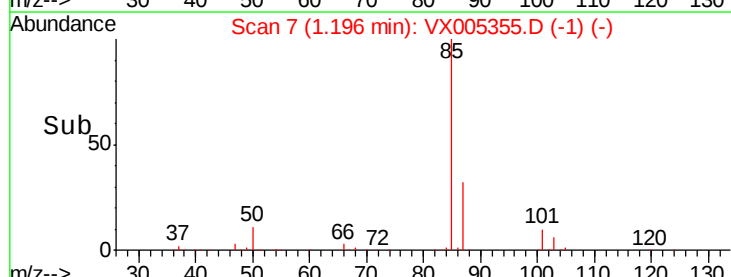
40000

20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.906 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 156994

Ion Ratio Lower Upper

50 100

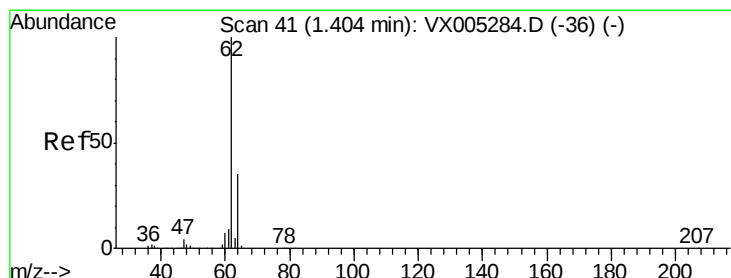
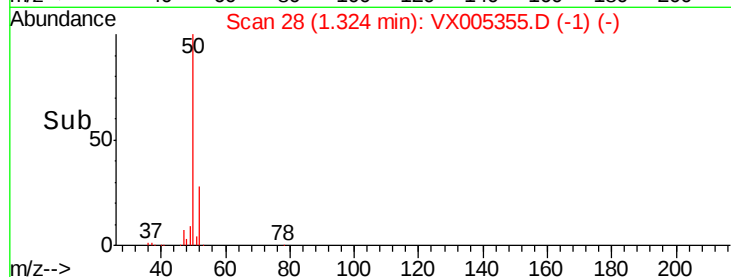
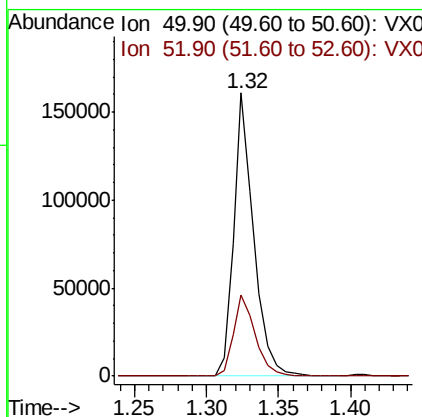
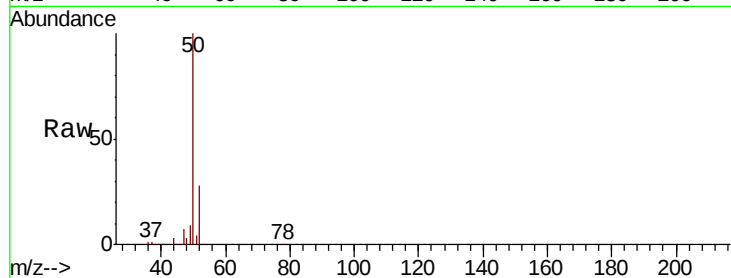
52 28.5 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.889 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005355.D

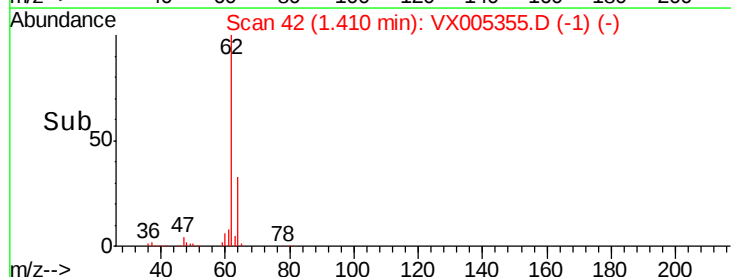
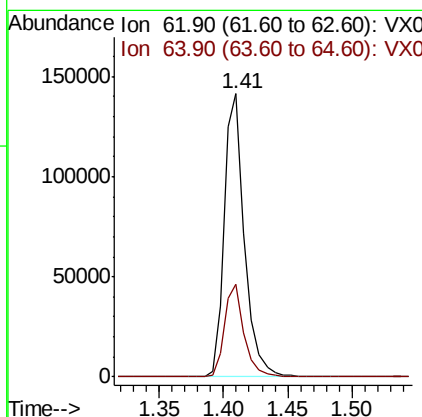
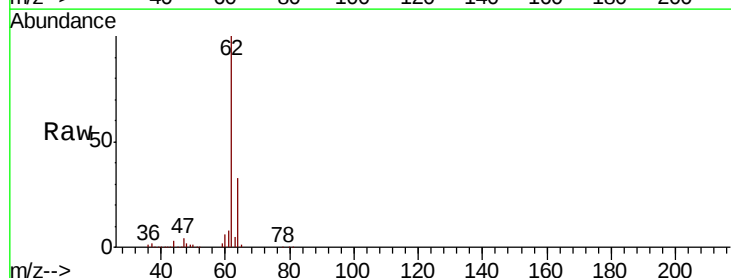
Acq: 16 Oct 2018 08:08

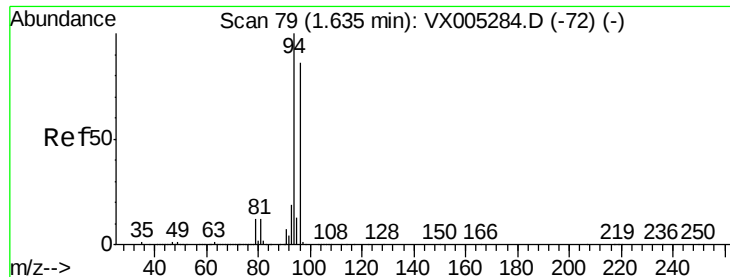
Tgt Ion: 62 Resp: 155587

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8





#5

Bromomethane

Concen: 49.329 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 94444

Ion Ratio Lower Upper

94 100

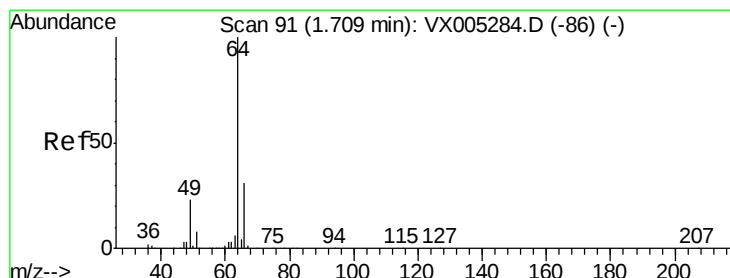
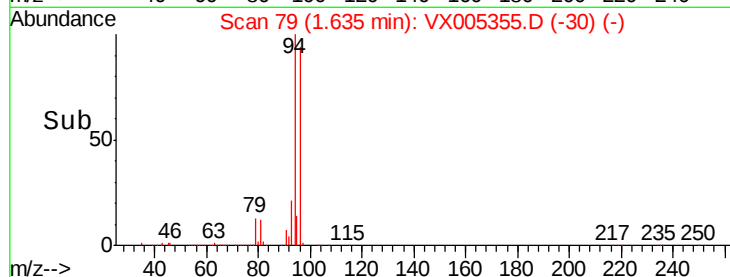
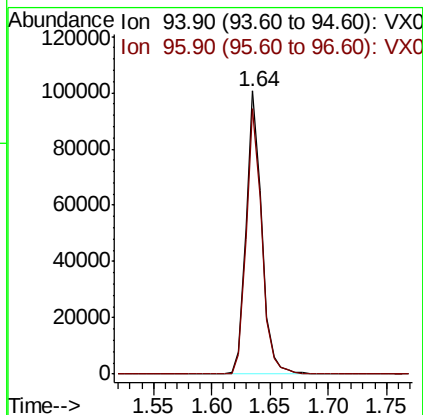
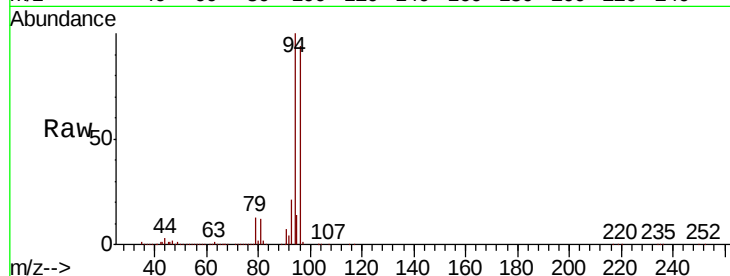
96 93.9 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 47.785 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005355.D

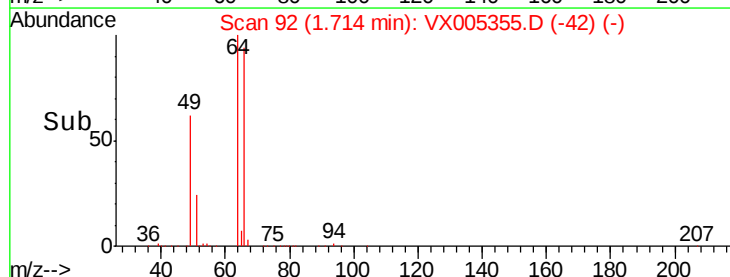
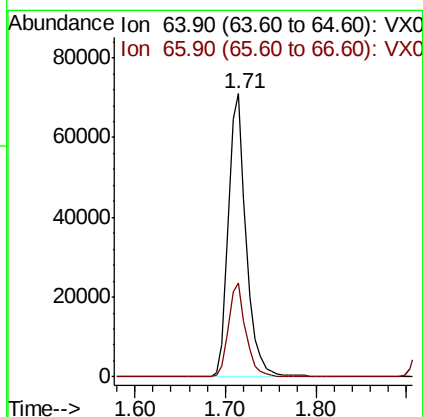
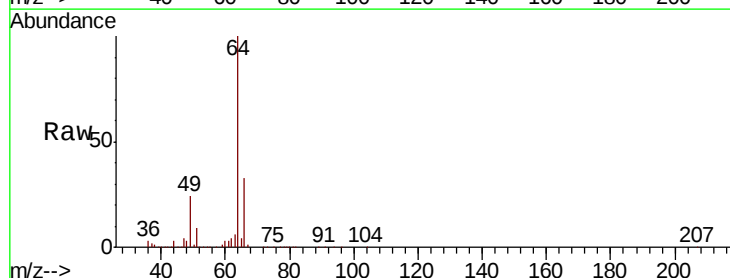
Acq: 16 Oct 2018 08:08

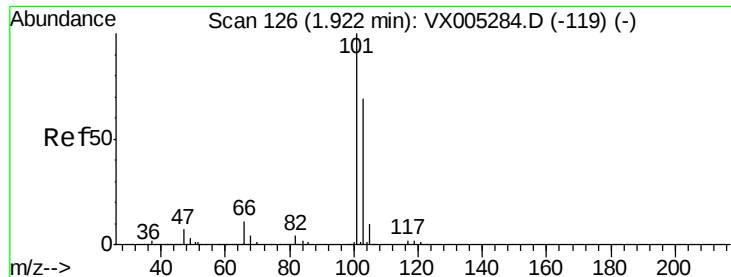
Tgt Ion: 64 Resp: 96098

Ion Ratio Lower Upper

64 100

66 33.2 24.6 36.8





#7

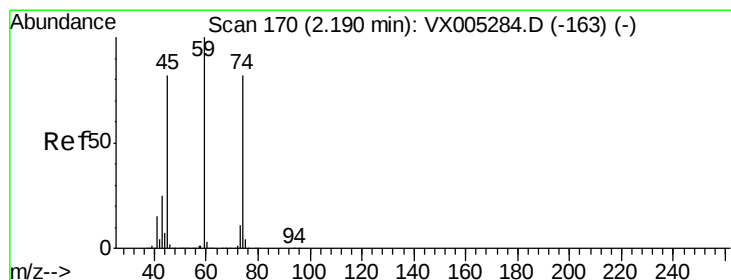
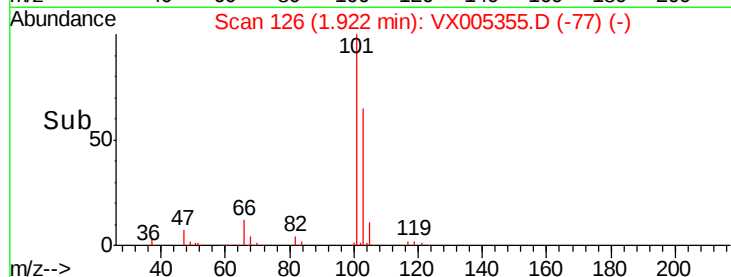
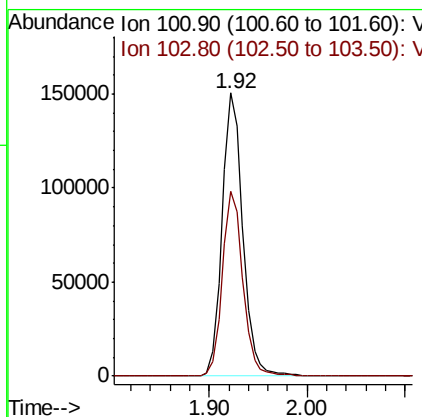
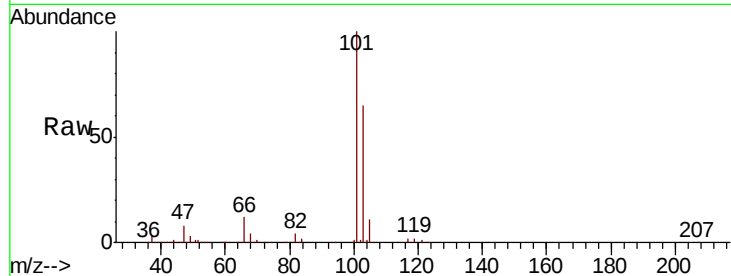
Trichlorofluoromethane
 Concen: 48.820 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	220890		
103	65.1	48.9	73.3	

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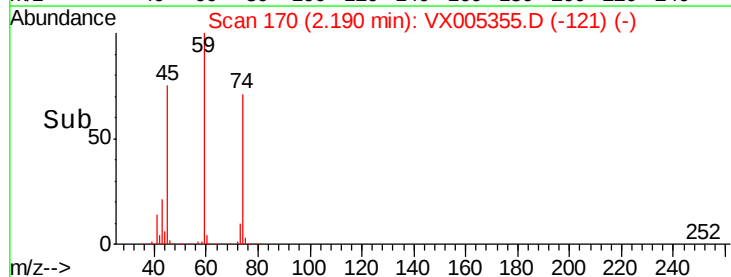
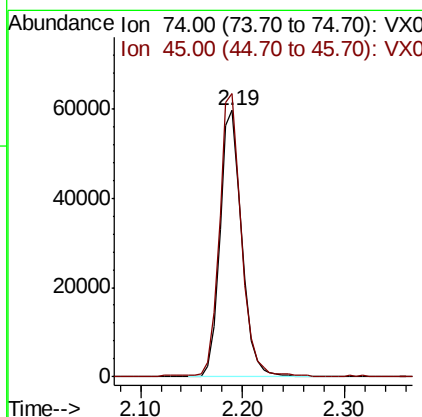
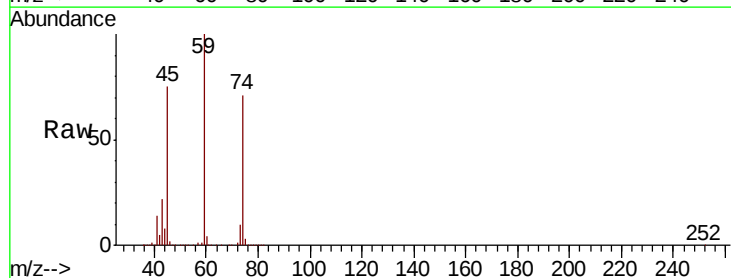
MMDadoda
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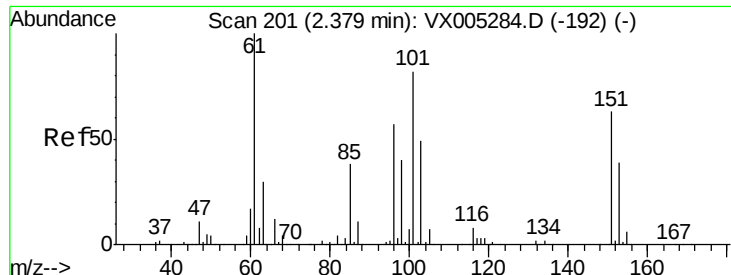


#8

Diethyl Ether
 Concen: 45.982 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	88843		
45	105.9	48.3	144.8	





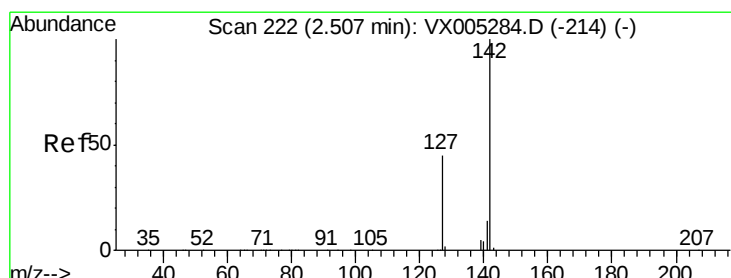
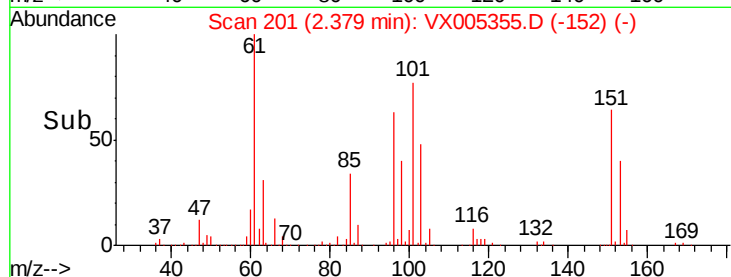
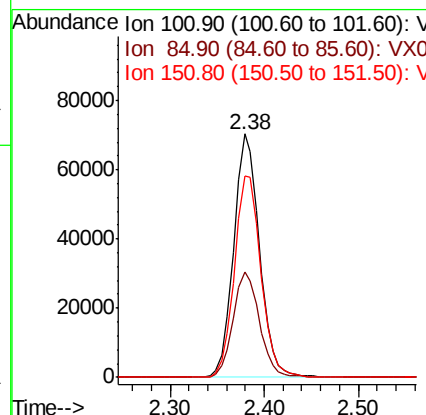
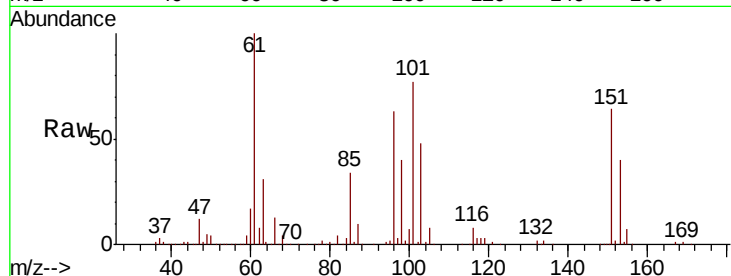
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.051 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	133320		
85	44.5	34.2	51.4	
151	85.5	65.0	97.6	

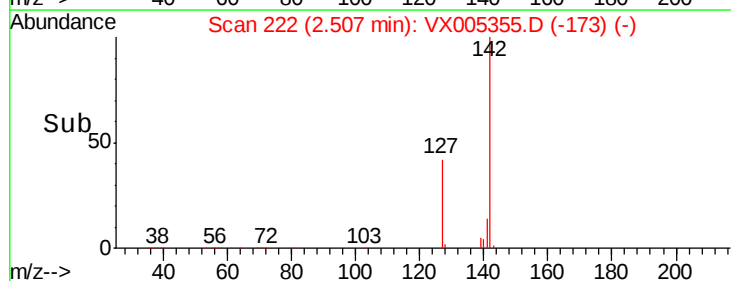
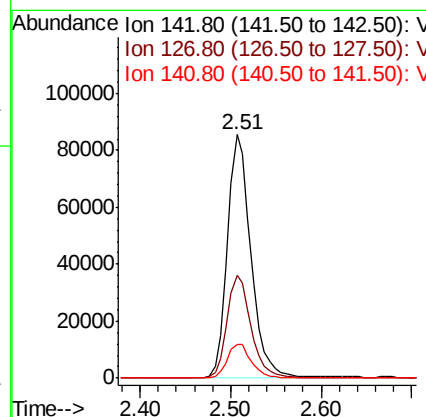
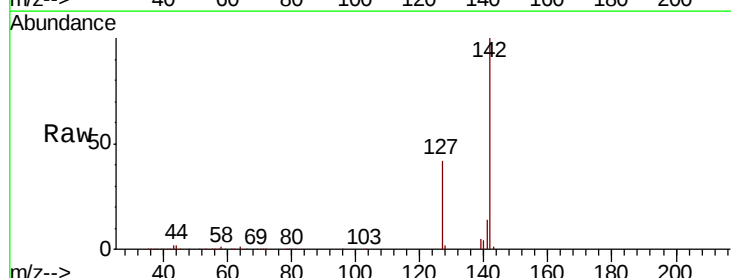
Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:34:16 AM



#10
Methyl Iodide
Concen: 53.933 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	155025		
127	43.0	33.8	50.6	
141	14.4	11.4	17.0	





#11

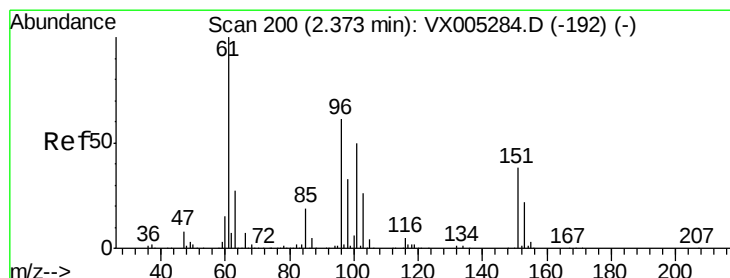
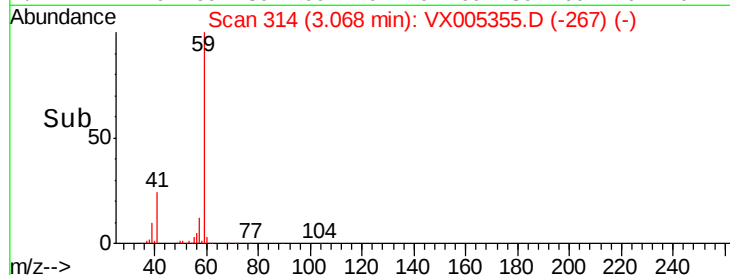
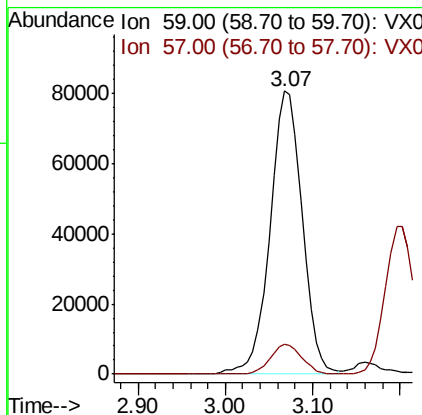
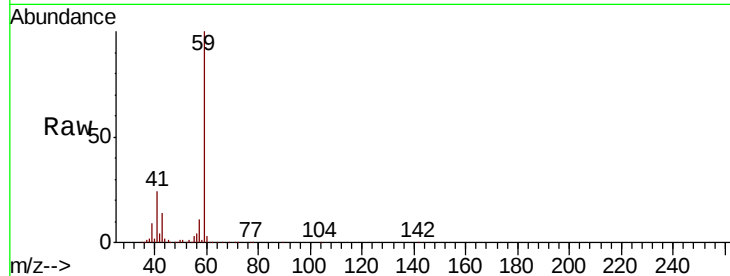
Tert butyl alcohol
Concen: 224.686 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 207812
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

Manual Integrations
APPROVED

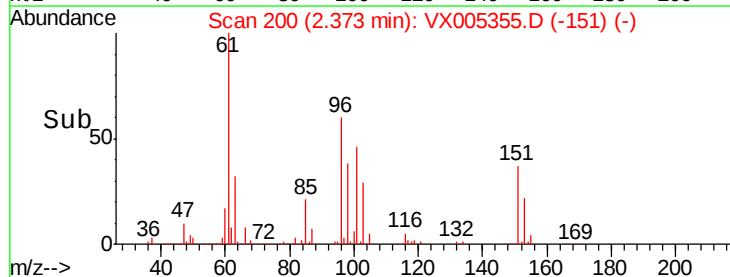
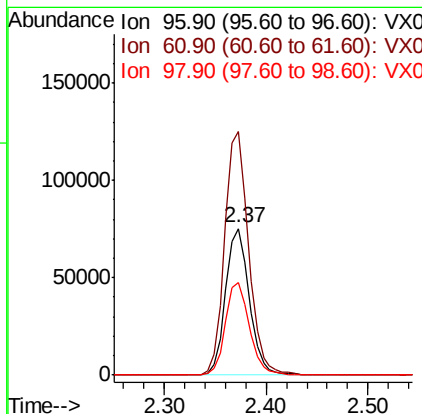
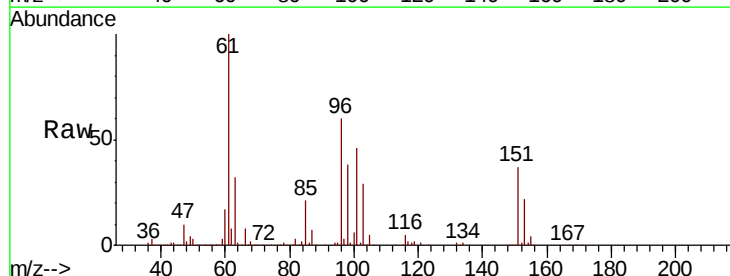
MMDadoda
10/17/2018 9:34:16 AM

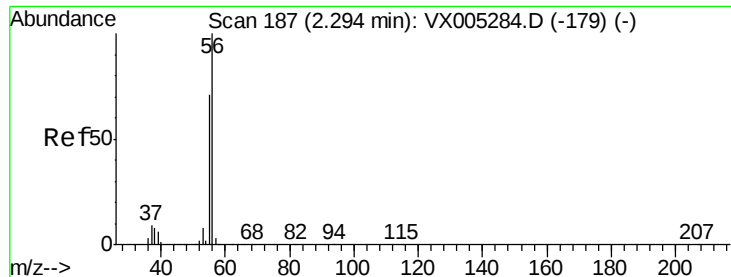


#12

1,1-Dichloroethene
Concen: 47.152 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion: 96 Resp: 122004
Ion Ratio Lower Upper
96 100
61 165.7 128.8 193.2
98 62.9 52.2 78.2





#13

Acrolein

Concen: 153.700 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 91205

Ion Ratio Lower Upper

56 100

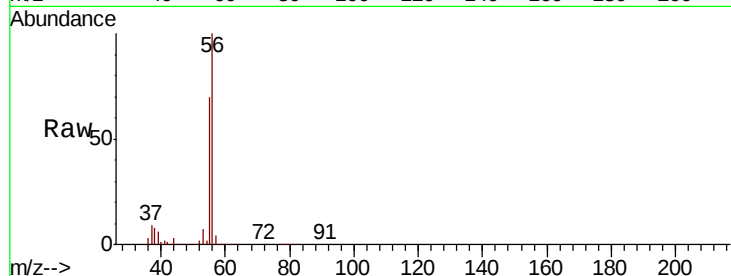
55 70.0 54.7 82.1

Manual Integrations

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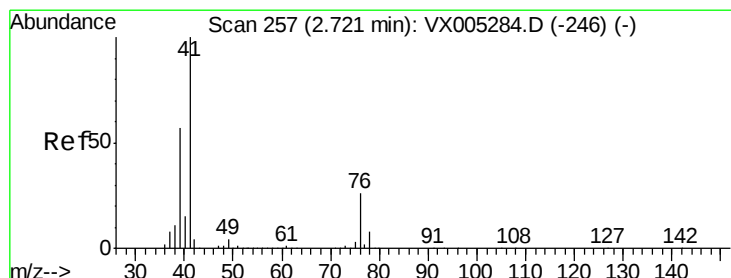
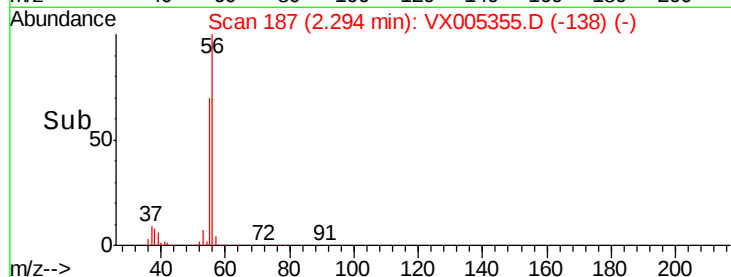
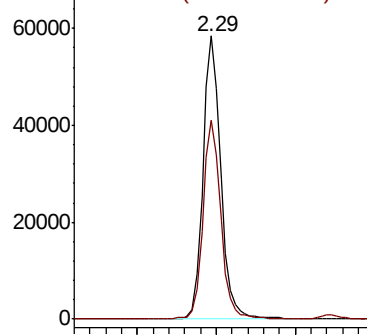
MMDadoda

10/17/2018 9:34:16 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.773 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

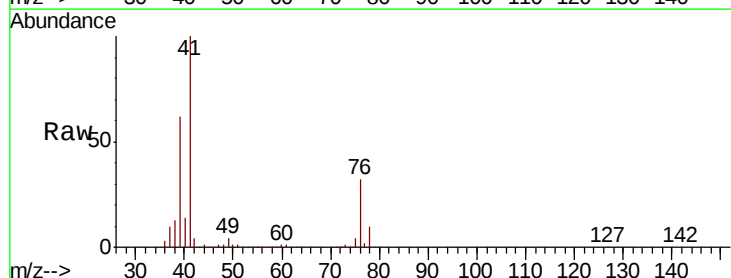
Tgt Ion: 41 Resp: 265709

Ion Ratio Lower Upper

41 100

39 58.5 48.9 73.3

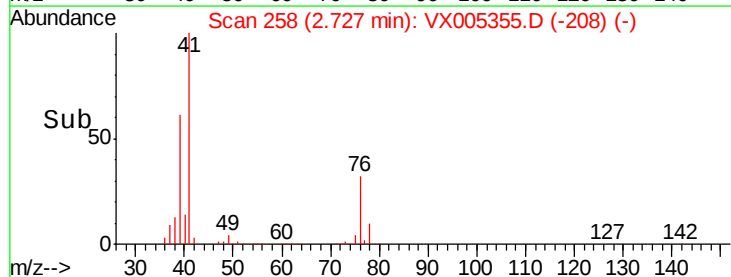
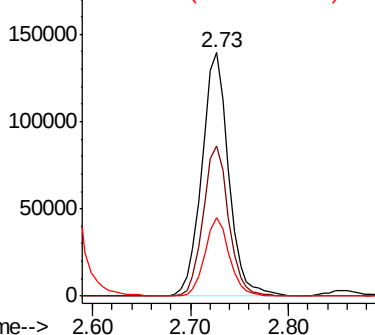
76 29.3 26.7 40.1

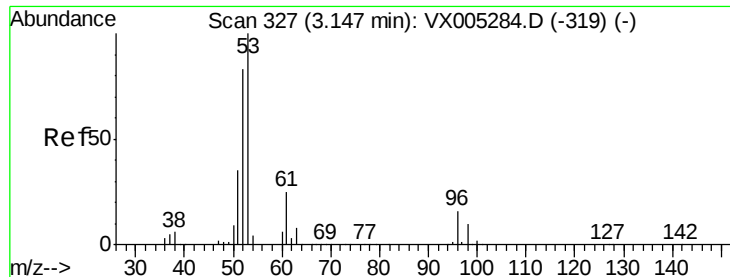


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 220.558 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

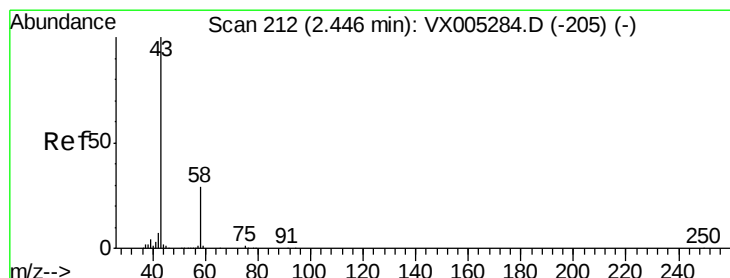
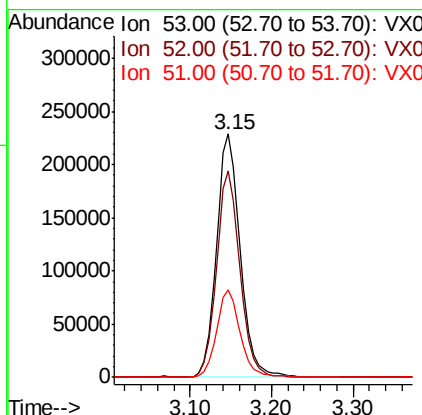
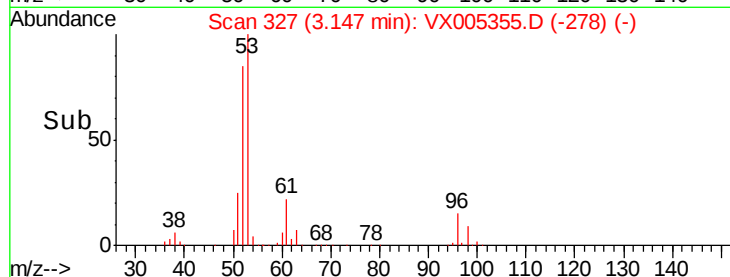
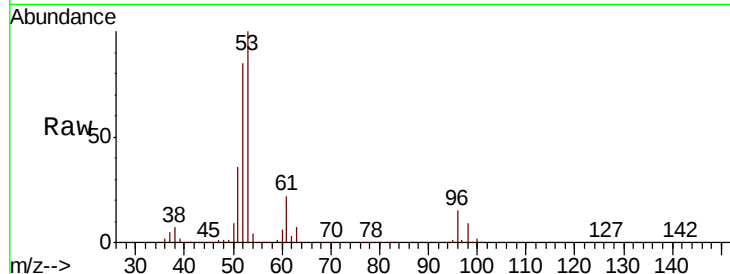
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	462265
Ion Ratio		Lower	Upper
53	100		
52	83.9	65.2	97.8
51	36.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 240.018 ug/l

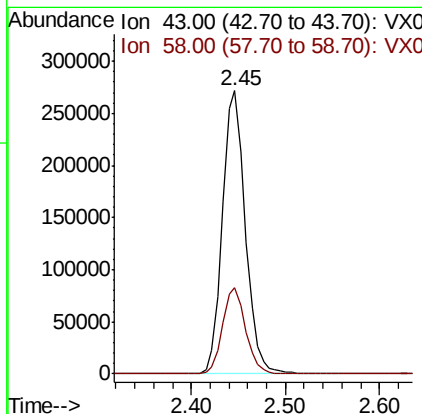
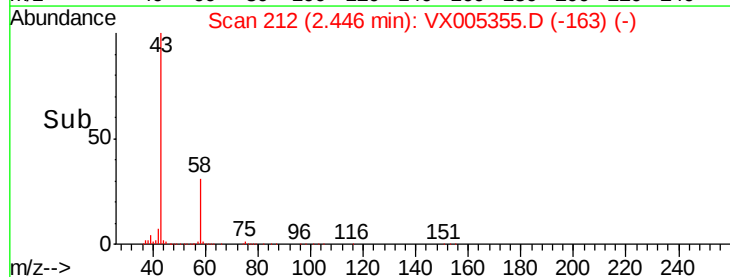
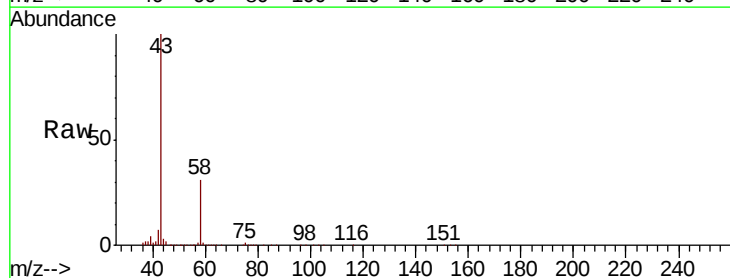
RT: 2.45 min Scan# 212

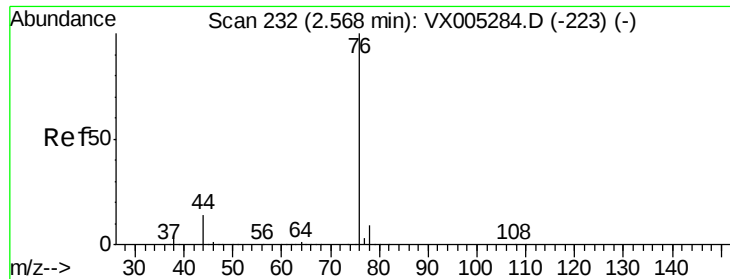
Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Tgt Ion:	43	Resp:	455016
Ion Ratio		Lower	Upper
43	100		
58	30.7	26.2	39.4





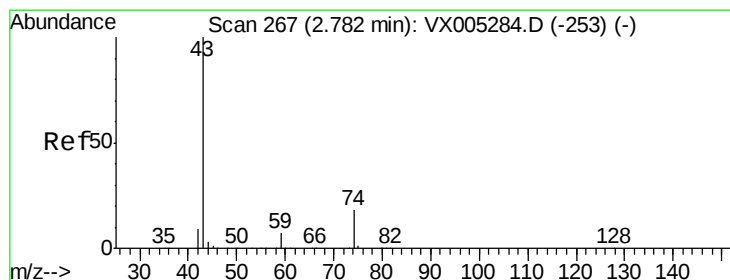
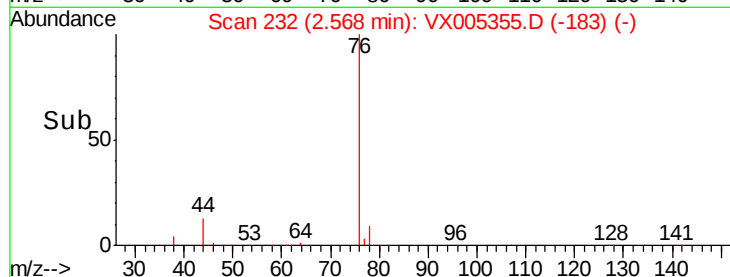
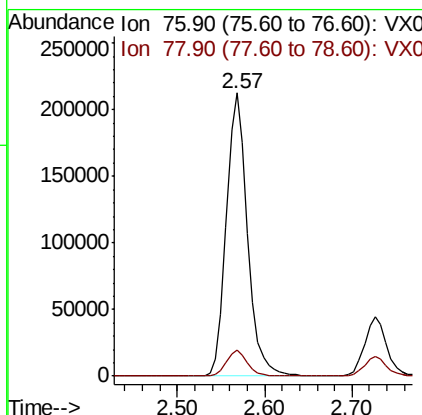
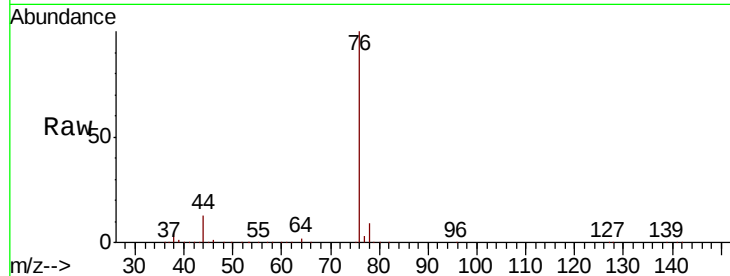
#17
Carbon Disulfide
Concen: 45.425 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

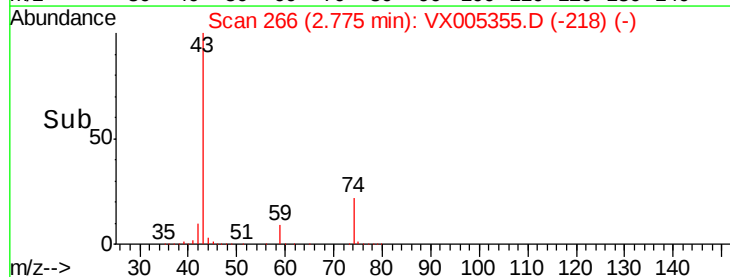
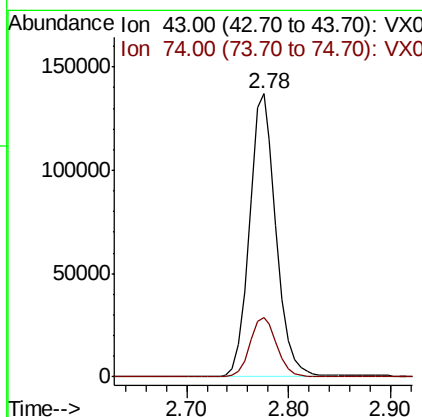
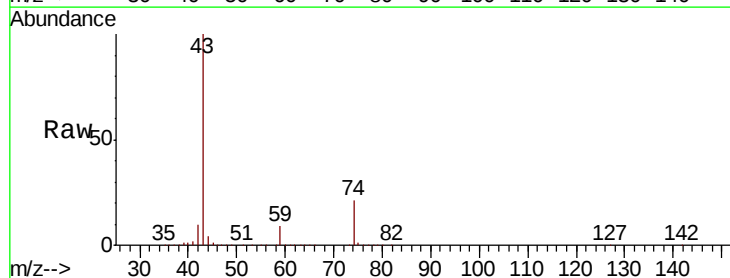
Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:34:16 AM



#18
Methyl Acetate
Concen: 45.903 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	19.4	29.2





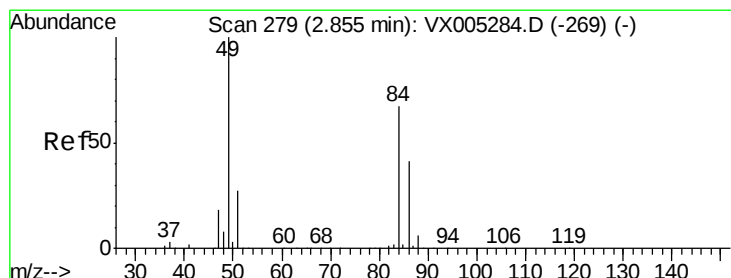
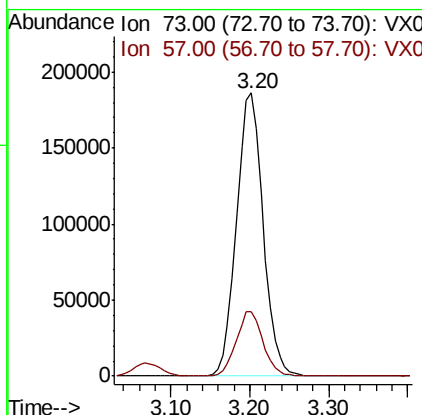
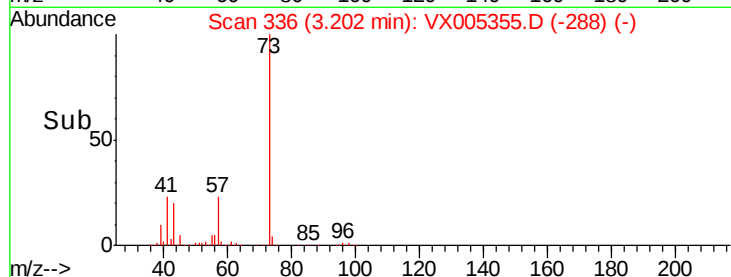
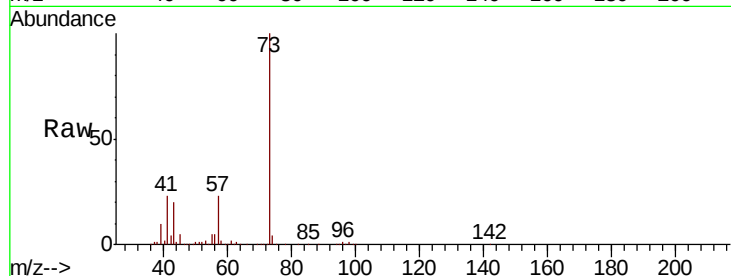
#19
Methvl tert-butvl Ether
Concen: 48.041 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 437791
Ion Ratio Lower Upper
73 100
57 22.6 17.1 25.7

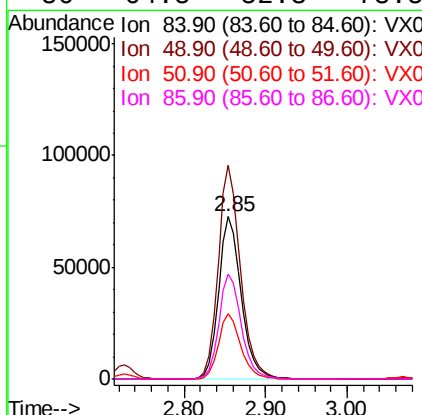
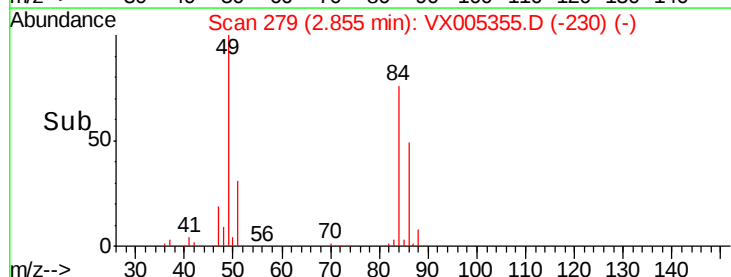
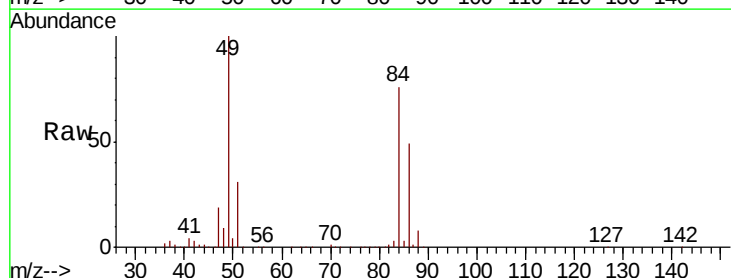
Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:34:16 AM



#20
Methylene Chloride
Concen: 50.833 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion: 84 Resp: 140355
Ion Ratio Lower Upper
84 100
49 131.4 101.2 151.8
51 40.1 29.5 44.3
86 64.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 45.980 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

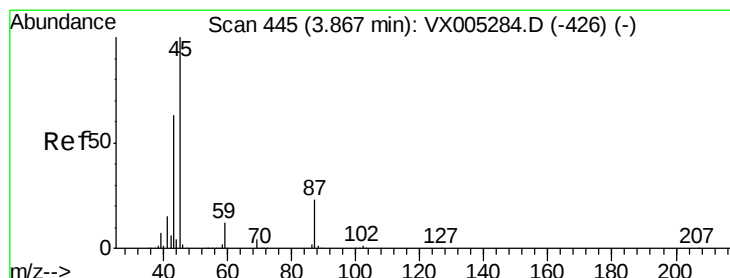
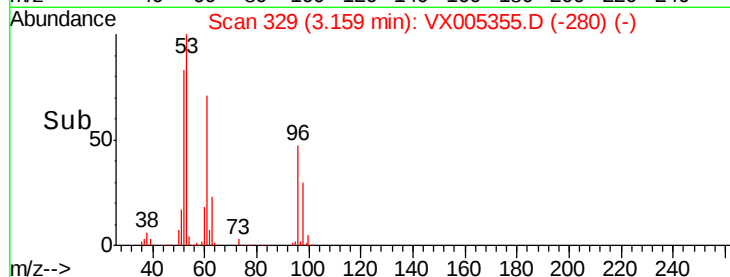
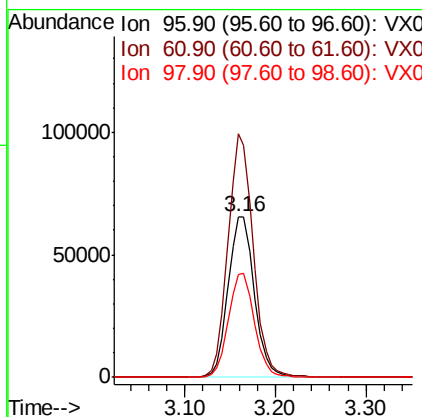
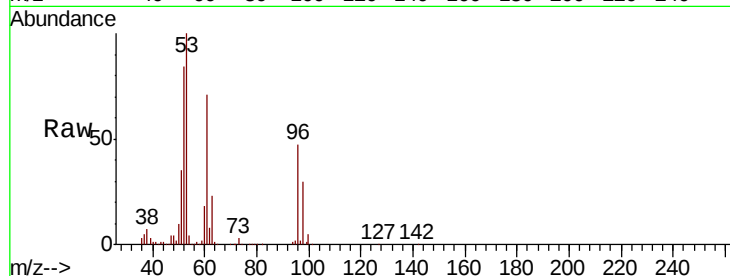
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	131845
Ion	Ratio	Lower	Upper
96	100		
61	151.5	113.8	170.6
98	64.3	51.8	77.8

Manual Integrations
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10/17/2018 9:34:16 AM



#22

Diisopropyl ether

Concen: 50.338 ug/l

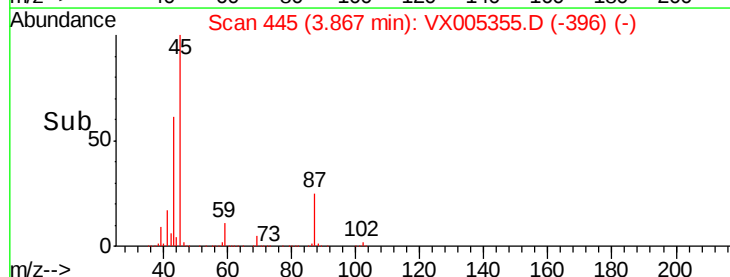
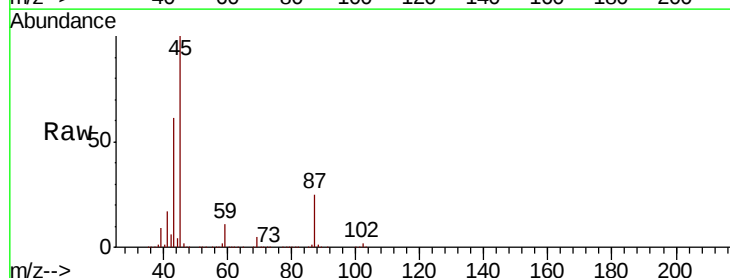
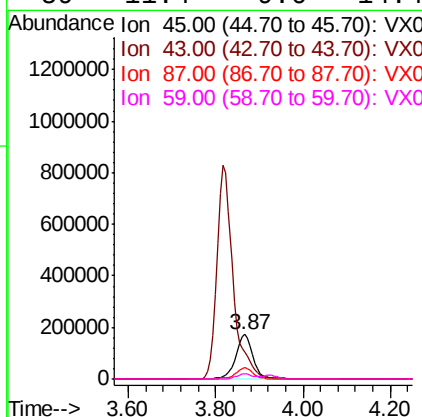
RT: 3.87 min Scan# 445

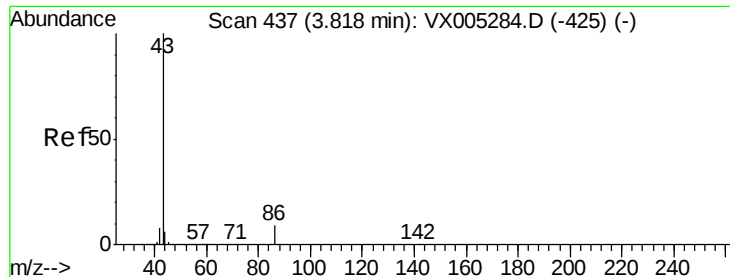
Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Tgt Ion:	45	Resp:	480305
Ion	Ratio	Lower	Upper
45	100		
43	60.6	42.8	64.2
87	25.2	22.6	34.0
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 254.907 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2125855

Ion Ratio Lower Upper

43 100

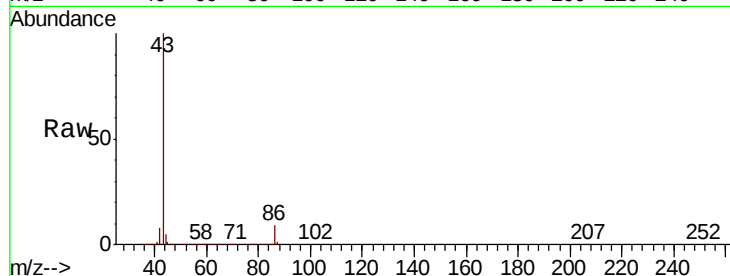
86 9.4 8.9 13.3

Manual Integrations

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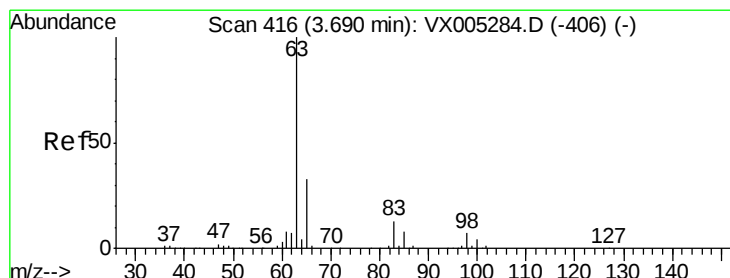
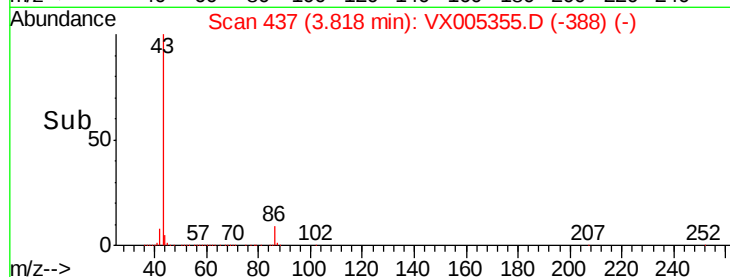
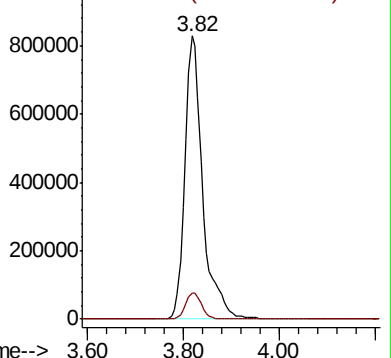
MMDadoda

10/17/2018 9:34:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.893 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

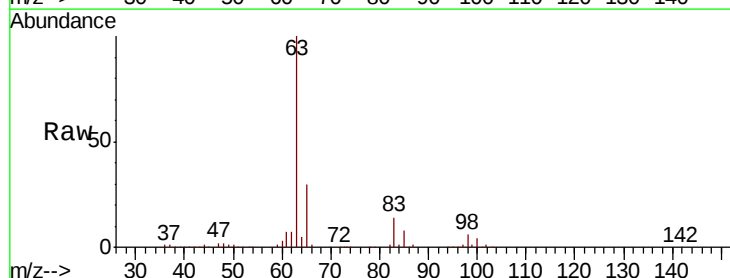
Tgt Ion: 63 Resp: 267371

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

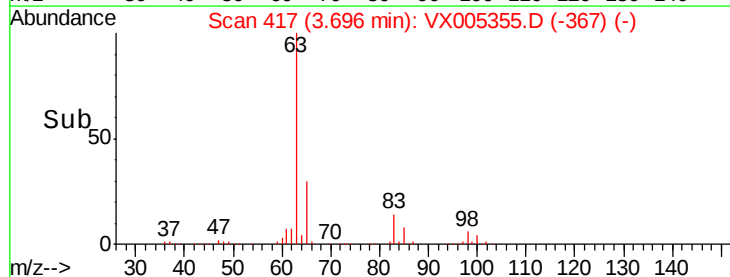
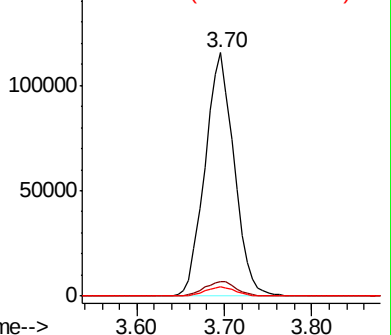
100 3.8 2.4 7.1

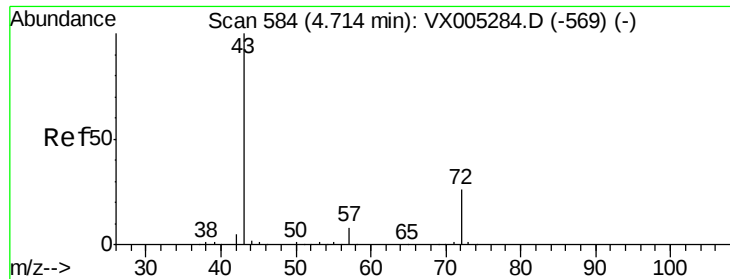


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 231.937 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 643330

Ion Ratio Lower Upper

43 100

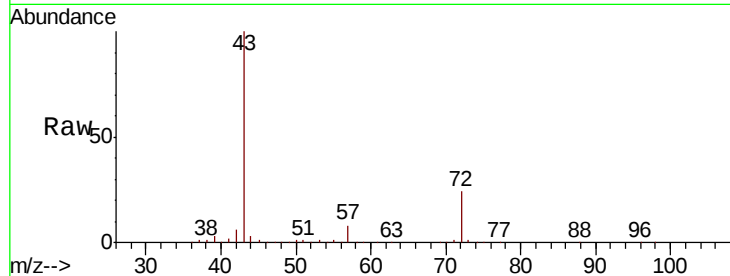
72 23.8 22.0 33.0

Manual Integrations

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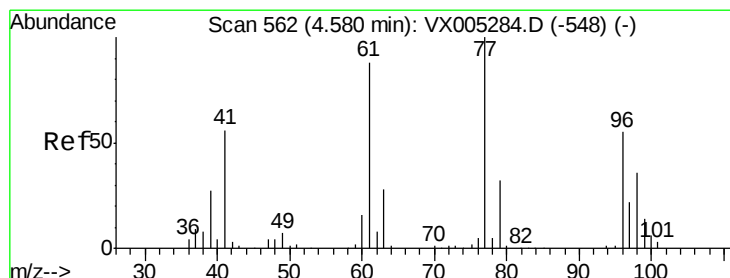
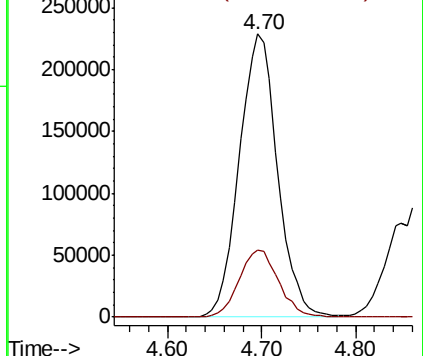
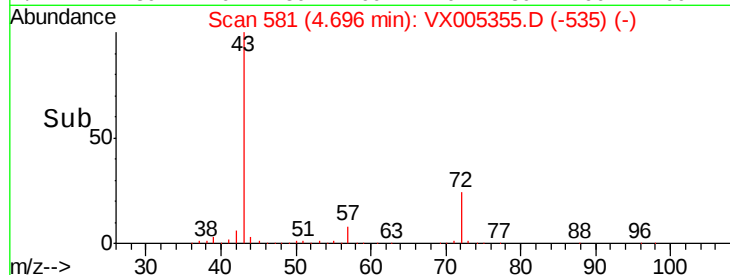
10/17/2018 9:34:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Time-->



#26

2,2-Dichloropropane

Concen: 49.544 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005355.D

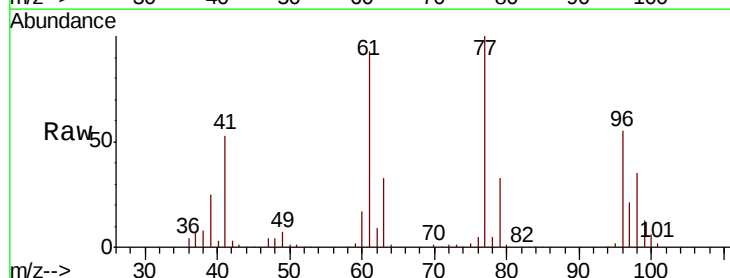
Acq: 16 Oct 2018 08:08

Tgt Ion: 77 Resp: 202625

Ion Ratio Lower Upper

77 100

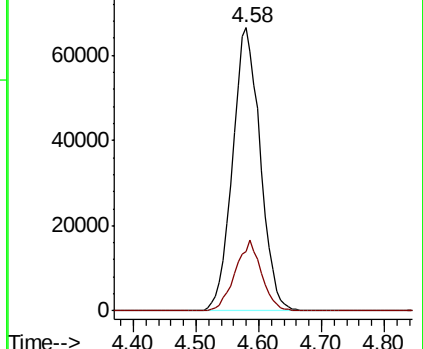
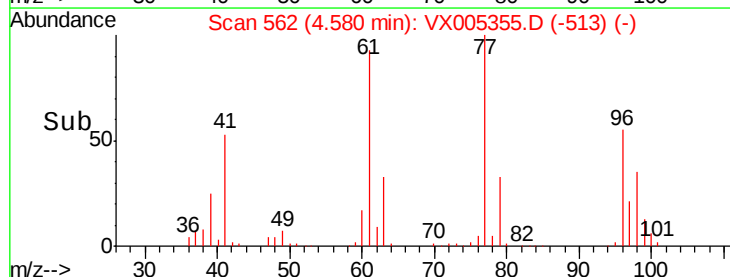
97 23.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

Time-->





#27

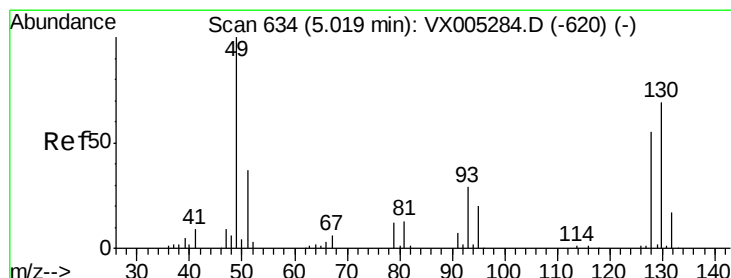
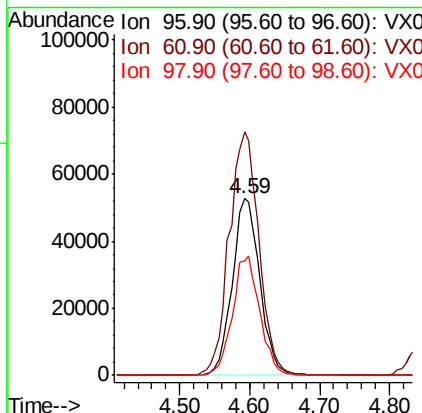
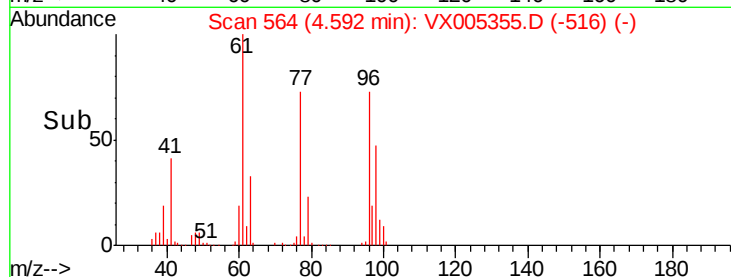
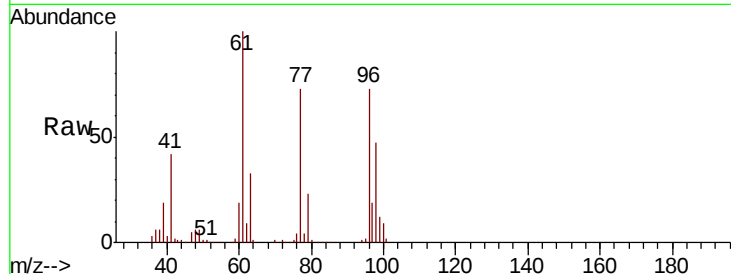
cis-1,2-Dichloroethene
Concen: 46.222 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	144042		
61	148.9	0.0	282.6	
98	66.8	0.0	130.2	

Manual Integrations
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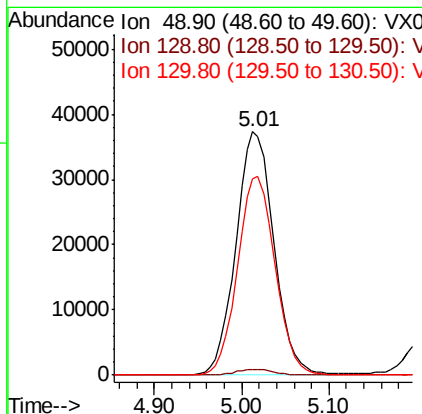
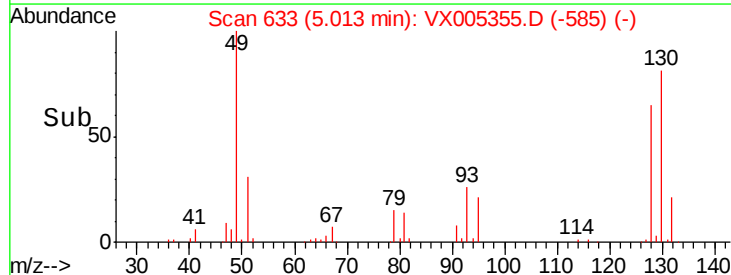
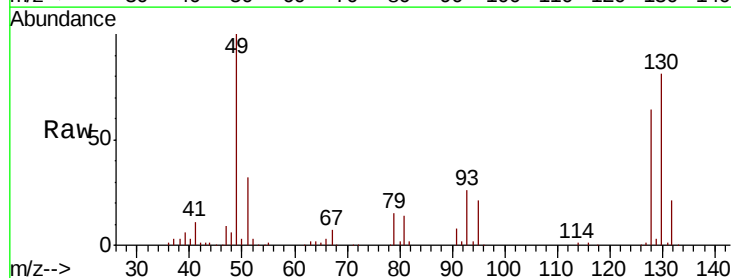
MMDadoda
10/17/2018 9:34:16 AM

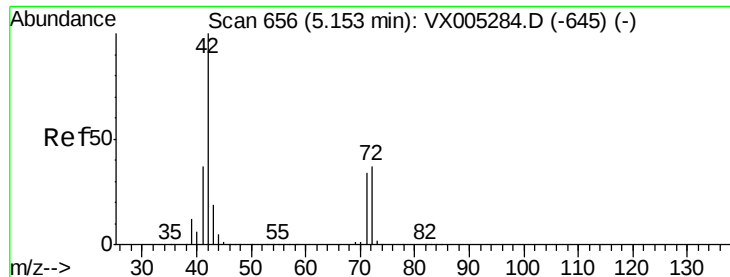


#28

Bromochloromethane
Concen: 45.237 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112772		
129	2.3	0.0	4.2	
130	80.9	67.5	101.3	





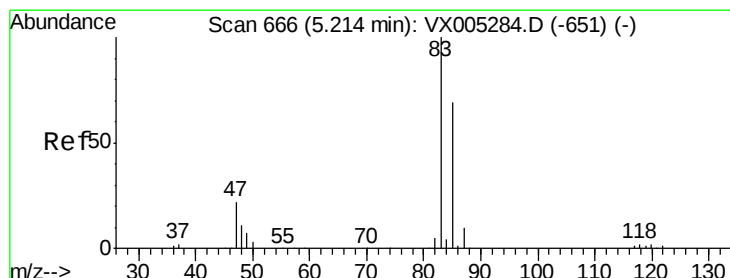
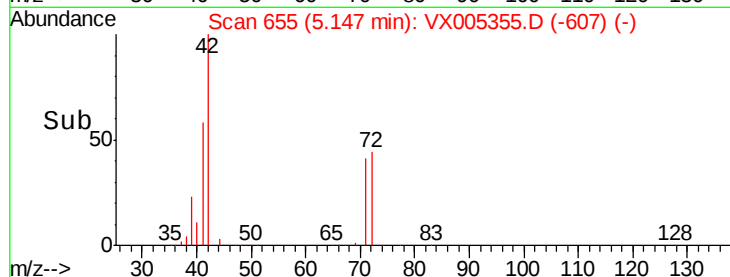
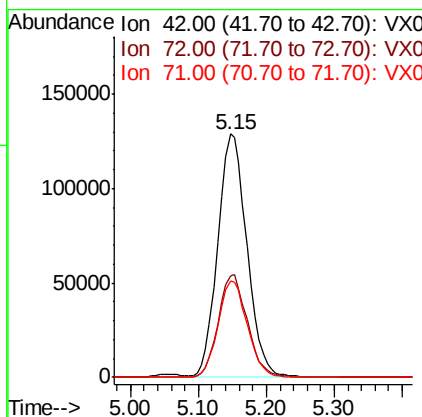
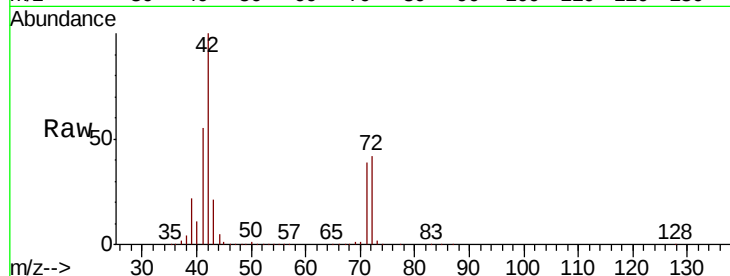
#29
Tetrahydrofuran
Concen: 216.117 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	37.4	56.0
71	39.7	34.5	51.7

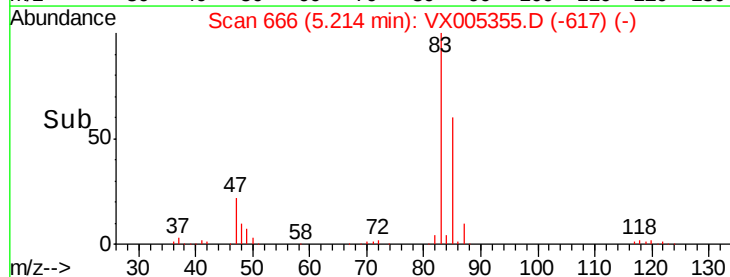
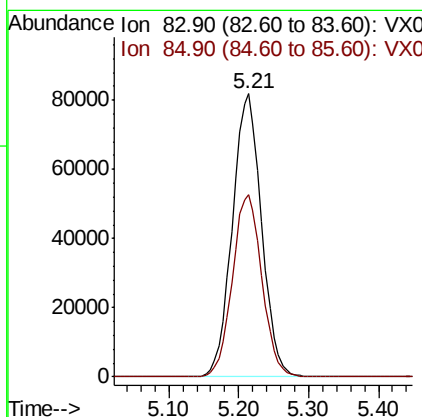
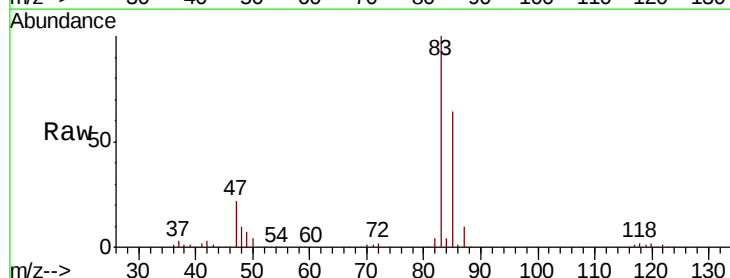
Manual Integrations
APPROVED

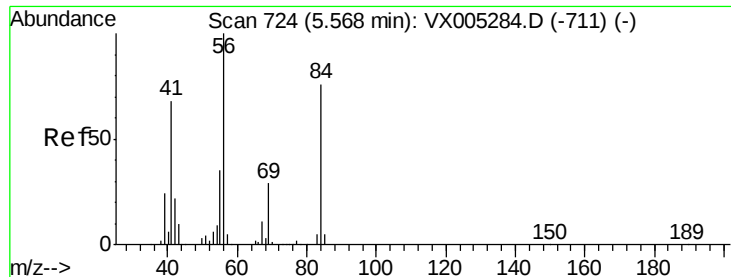
MMDadoda
10/17/2018 9:34:16 AM



#30
Chloroform
Concen: 46.618 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	79.0





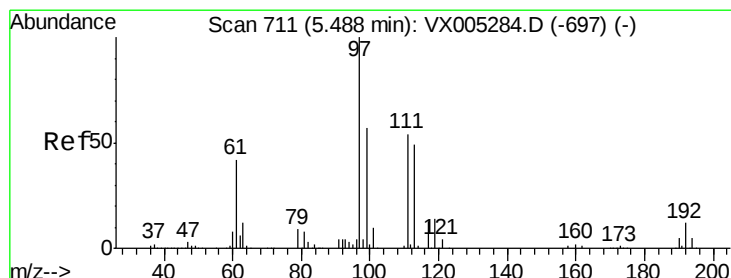
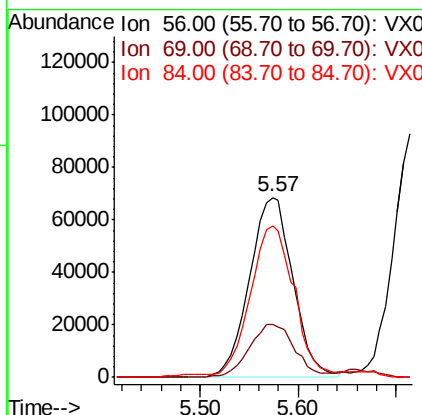
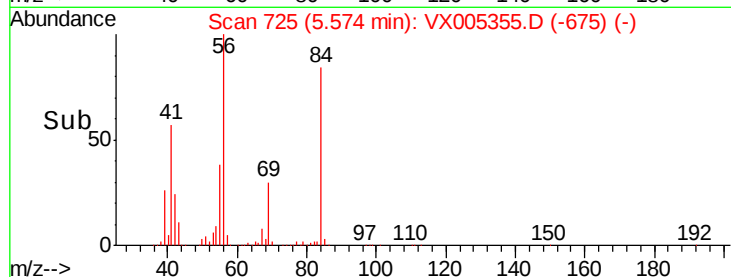
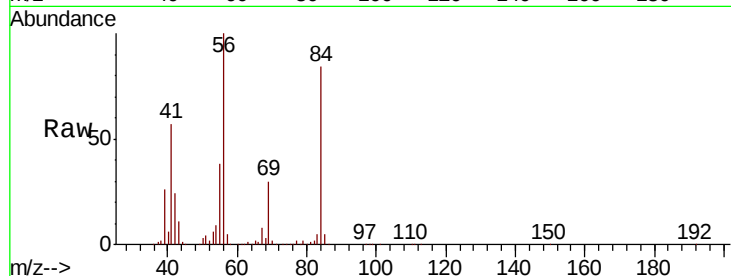
#31
Cyclohexane
Concen: 46.733 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	25.4	38.2
84	83.0	71.4	107.2

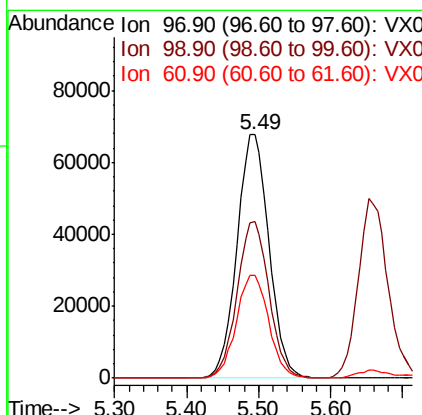
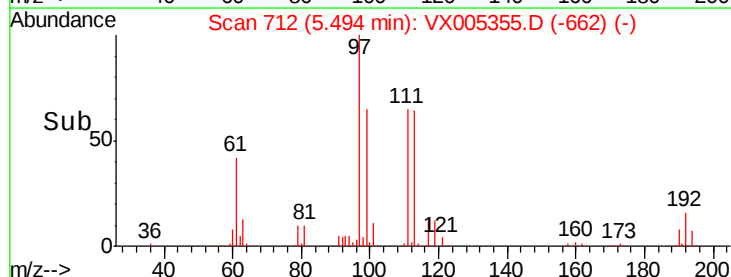
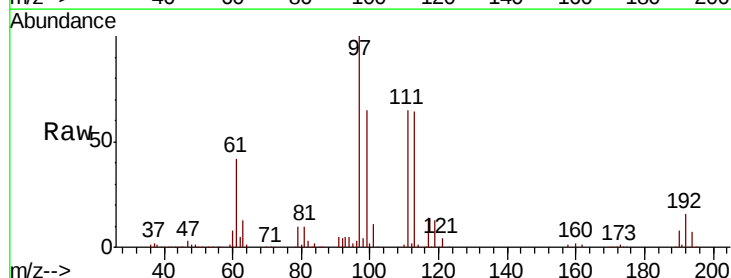
Manual Integrations
APPROVED

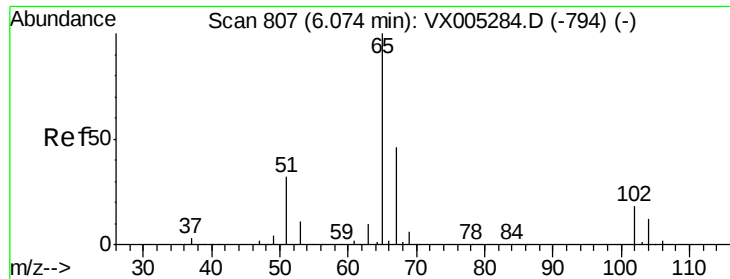
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.234 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	43.1	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 46.596 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 152778

Ion Ratio Lower Upper

65 100

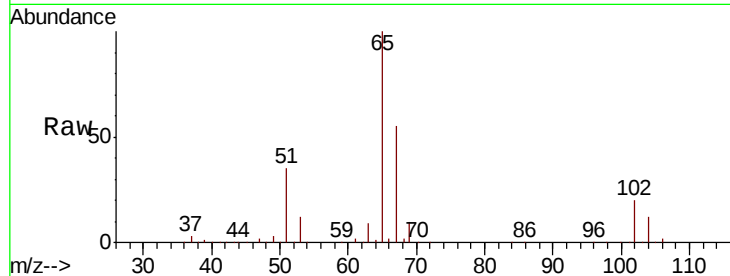
67 53.8 0.0 106.8

Manual Integrations

APPROVED

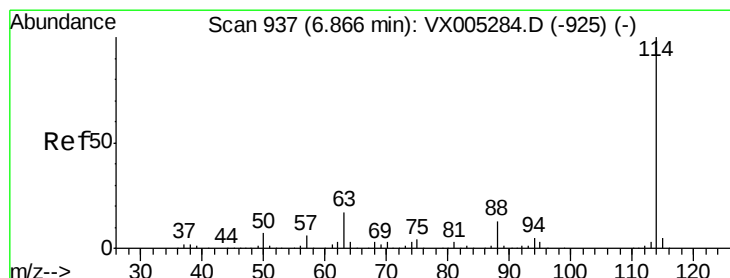
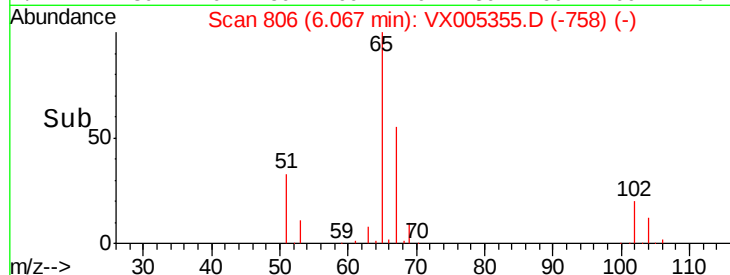
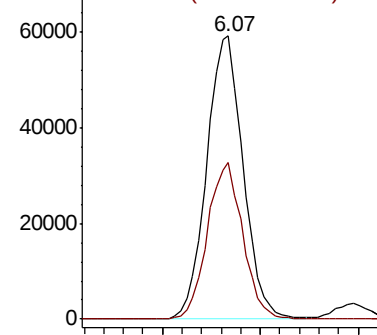
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

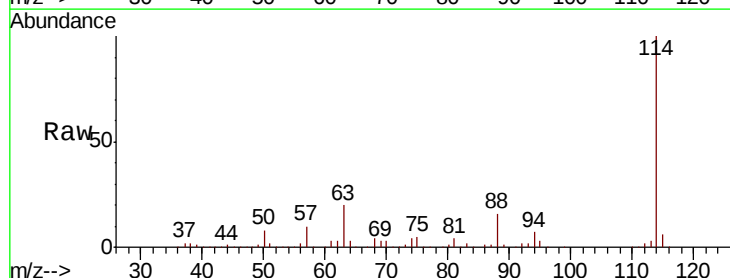
Tgt Ion: 114 Resp: 406686

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

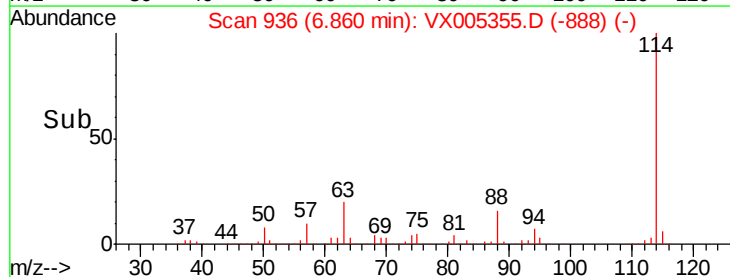
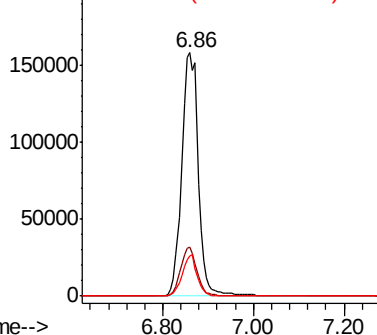
88 16.4 0.0 30.4

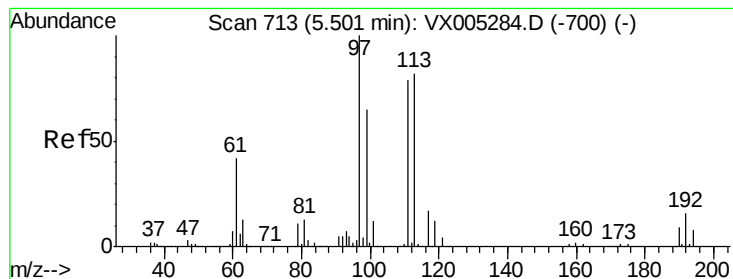


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.744 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

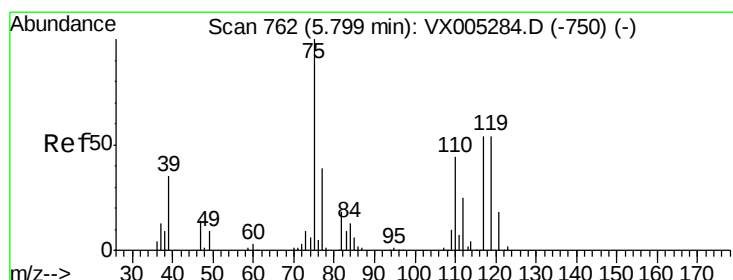
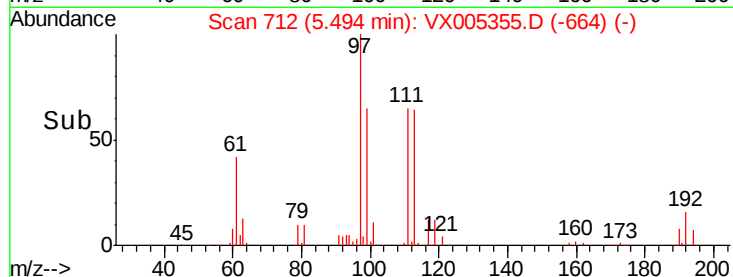
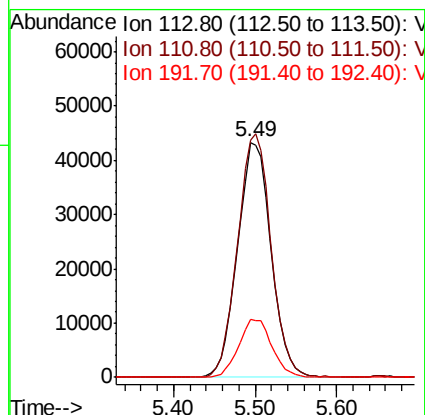
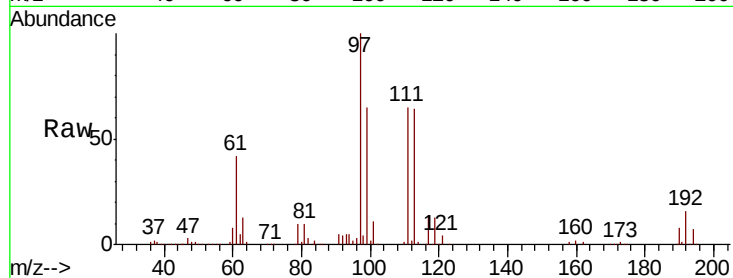
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	123216
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.4	123.6
192	24.5	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.000 ug/l

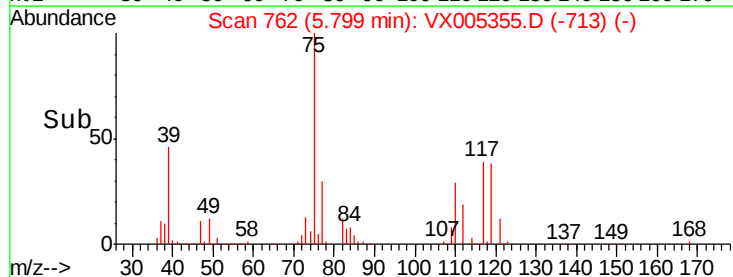
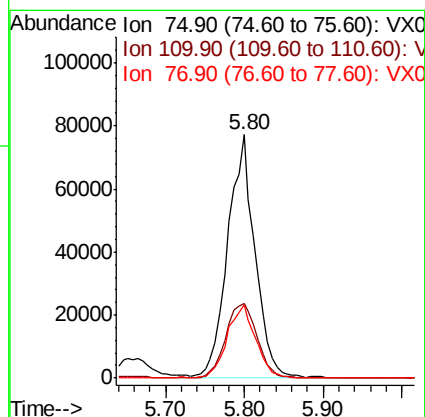
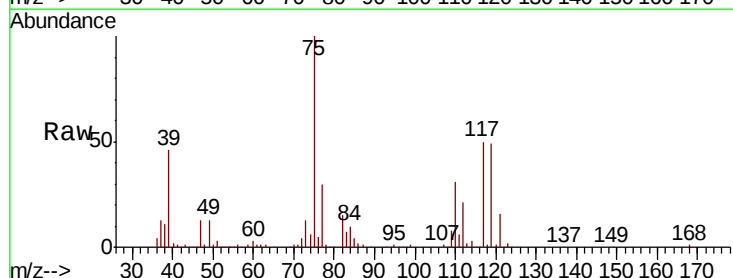
RT: 5.80 min Scan# 762

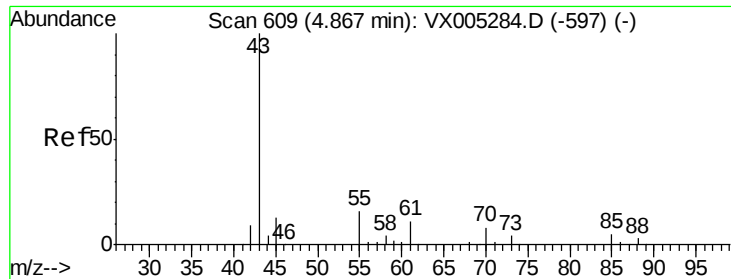
Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Tgt Ion:	75	Resp:	185121
Ion Ratio	Lower	Upper	
75	100		
110	35.5	18.0	54.0
77	31.3	24.6	36.8





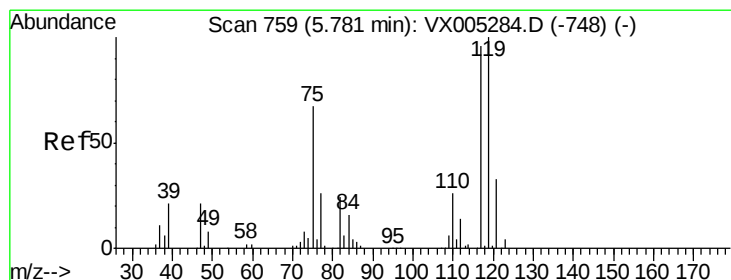
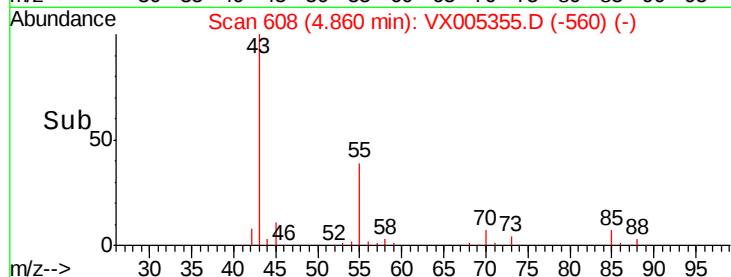
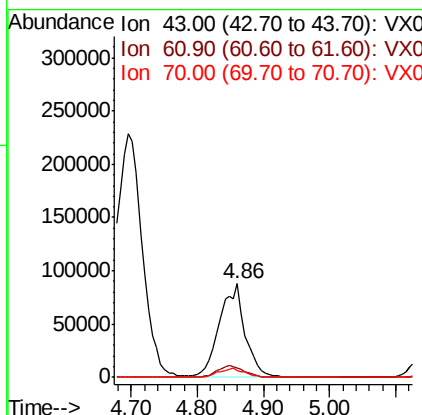
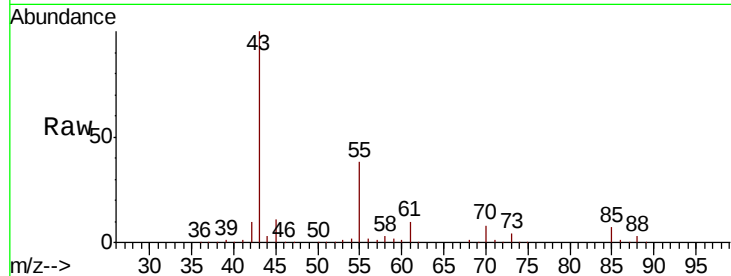
#37
Ethyl Acetate
Concen: 46.388 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.9	9.0	13.6

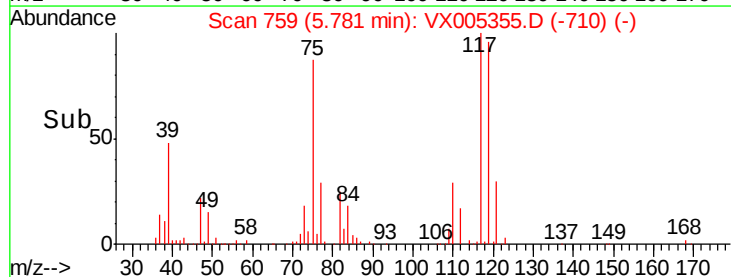
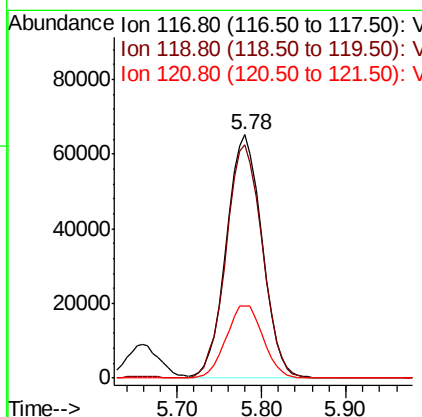
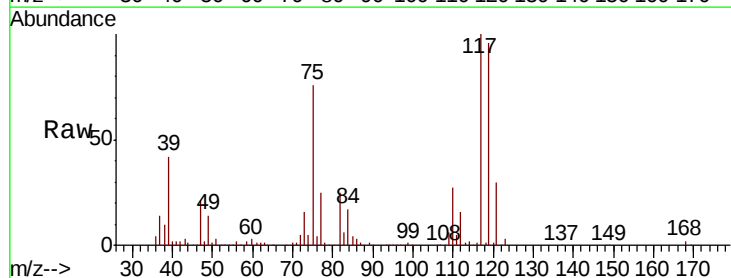
Manual Integrations
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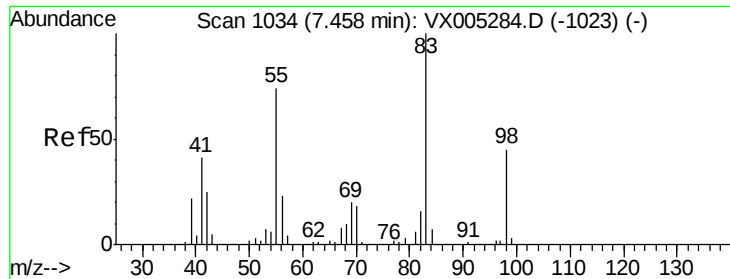
MMDadoda
10/17/2018 9:34:16 AM



#38
Carbon Tetrachloride
Concen: 47.636 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.8	118.2
121	29.8	24.9	37.3





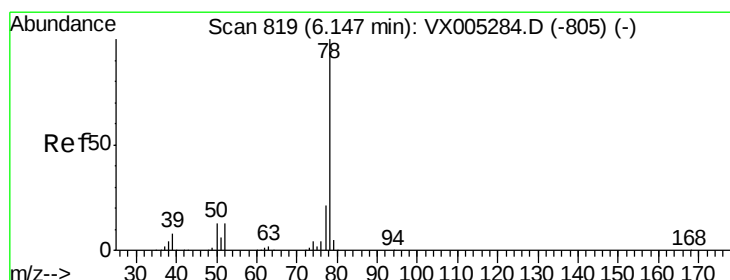
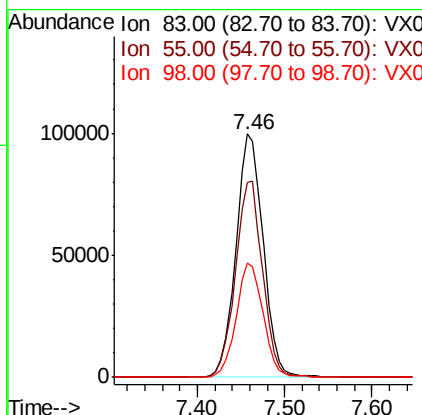
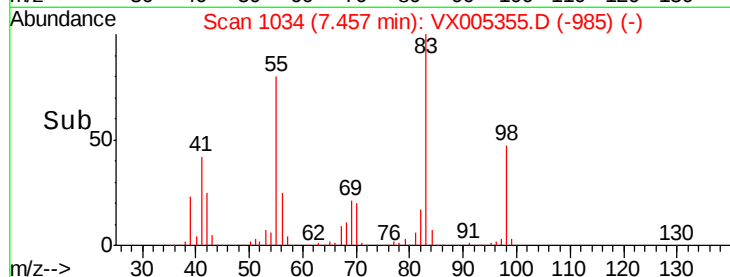
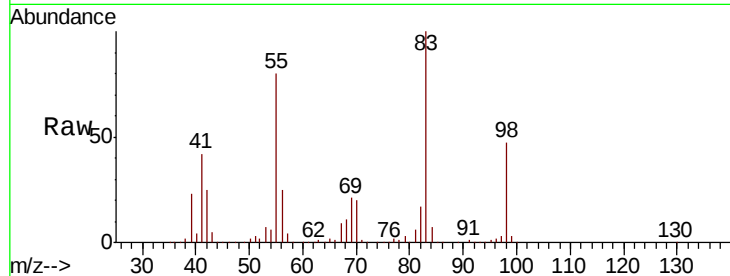
#39
Methvlcvclohexane
Concen: 50.771 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	61.0	91.4
98	47.0	39.6	59.4

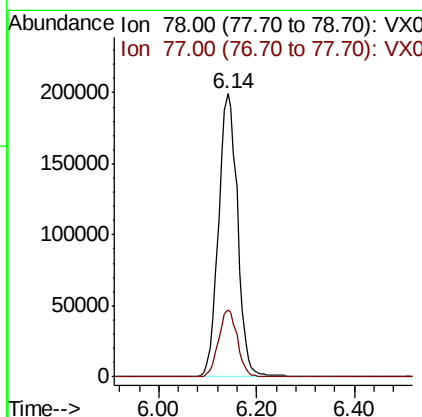
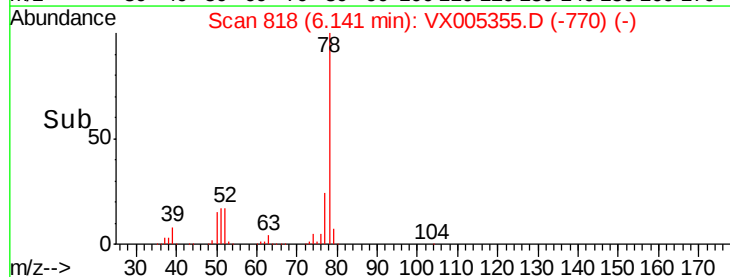
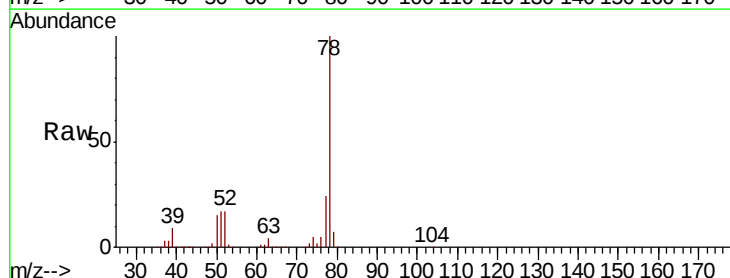
Manual Integrations
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#40
Benzene
Concen: 45.507 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





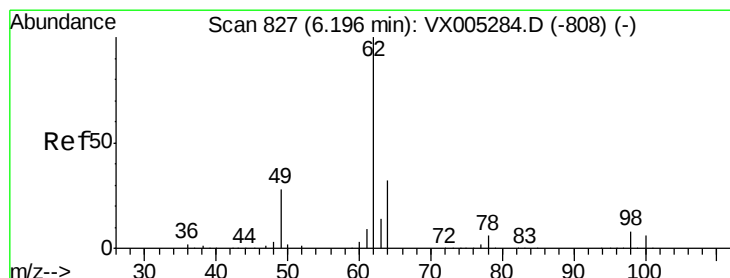
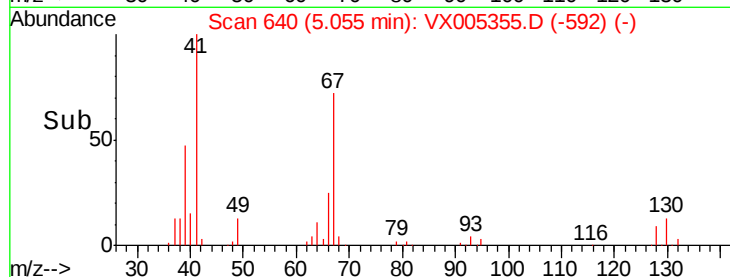
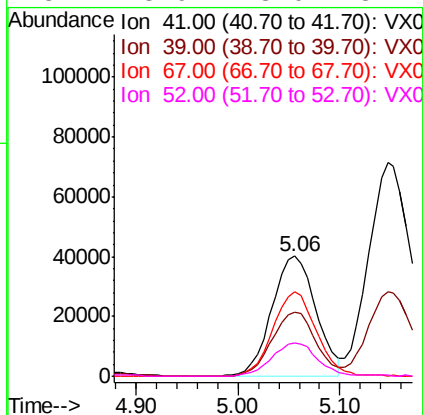
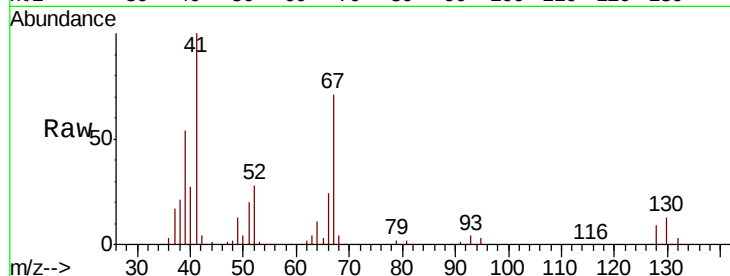
#41
Methacrylonitrile
Concen: 44.394 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		120553		
39	53.9	42.4	63.6		
67	69.3	59.2	88.8		
52	28.9	23.0	34.4		

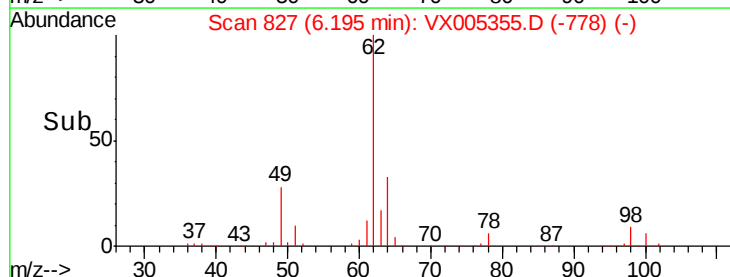
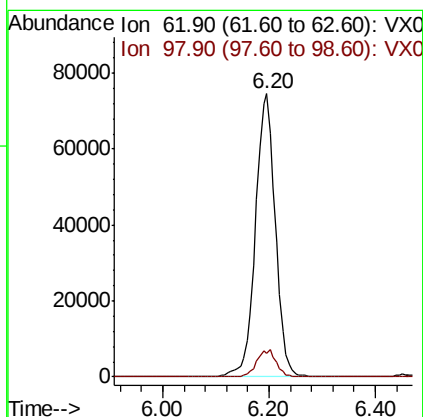
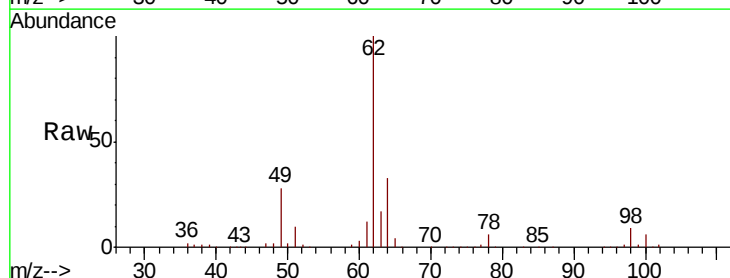
Manual Integrations
APPROVED

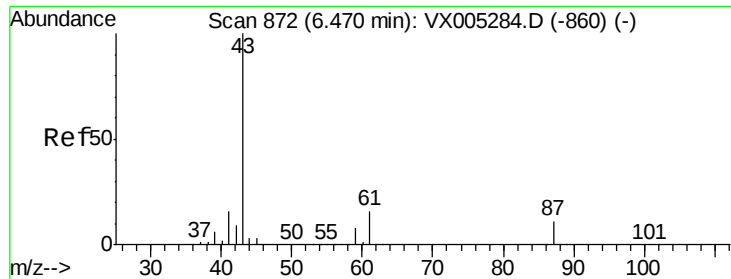
MMDadoda
10/17/2018 9:34:16 AM



#42
1,2-Dichloroethane
Concen: 45.851 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		191290		
98	9.3	0.0	20.6		





#43

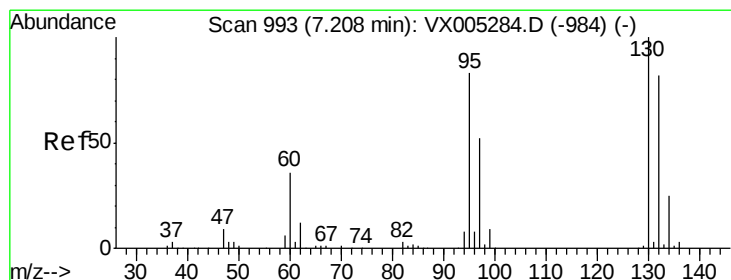
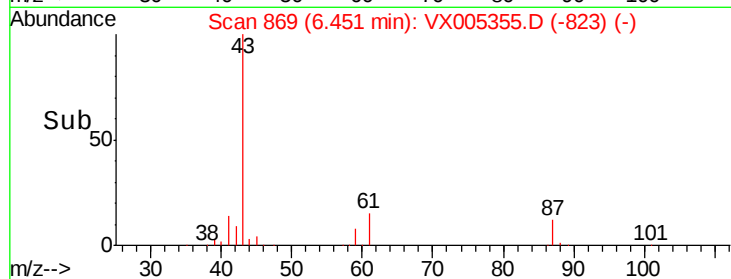
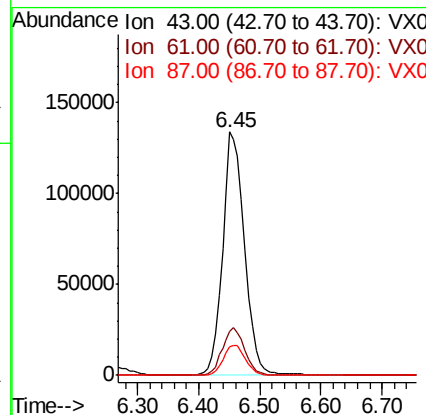
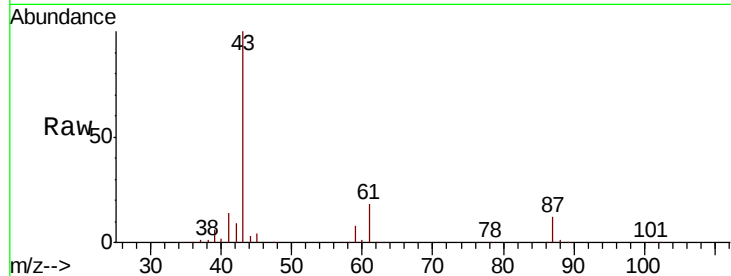
Isopropyl Acetate
 Concen: 49.031 ug/l
 RT: 6.45 min Scan# 869
 Delta R.T. -0.02 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	17.0	25.4
87	12.9	11.4	17.2

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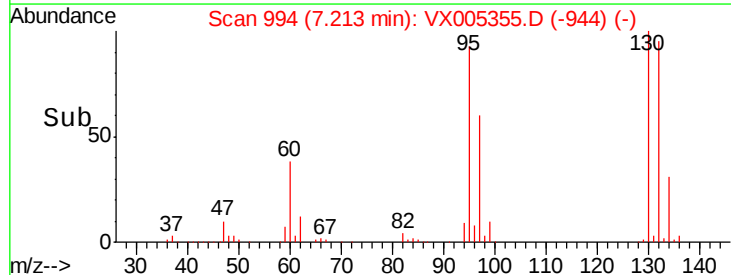
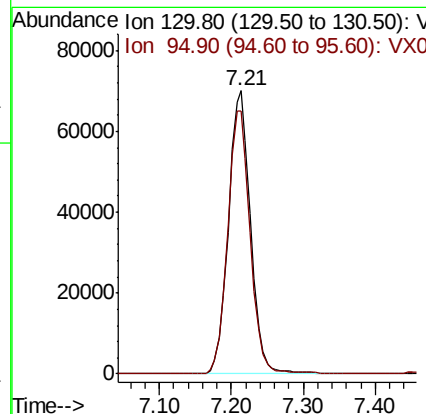
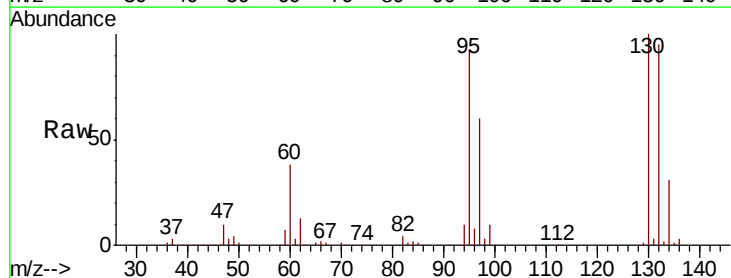
MMDadoda
 10/17/2018 9:34:16 AM



#44

Trichloroethene
 Concen: 49.480 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	181.6





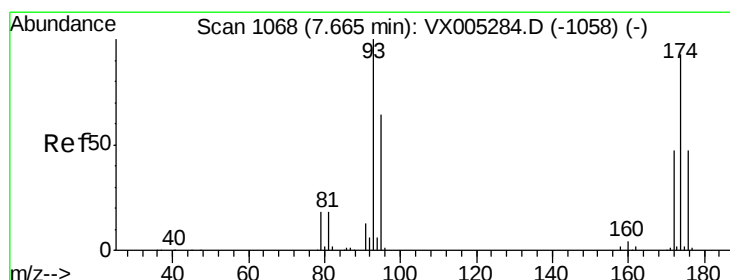
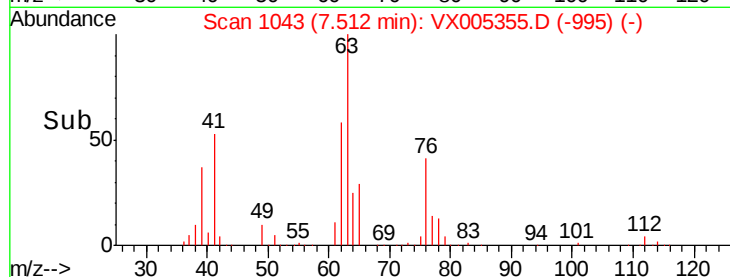
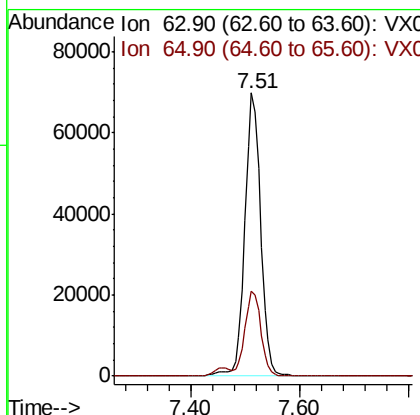
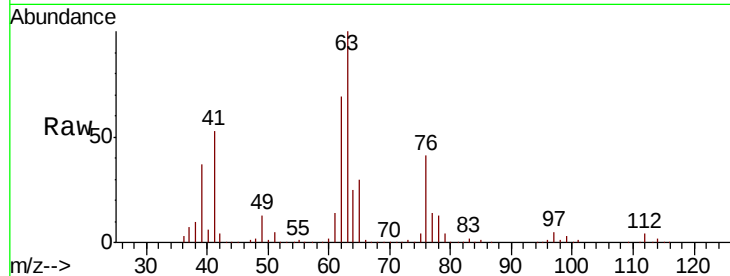
#45
 1,2-Dichloropropane
 Concen: 49.002 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 142023
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.3 36.5

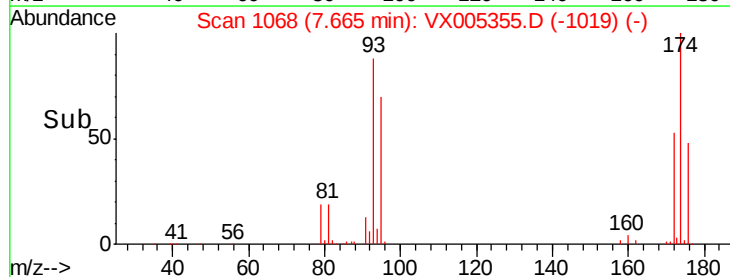
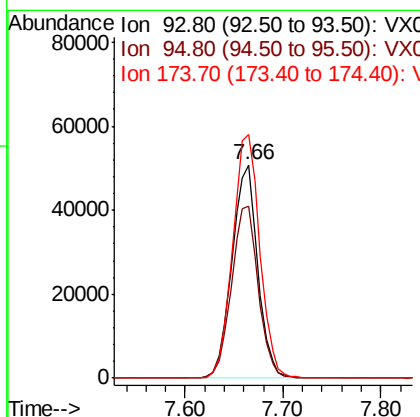
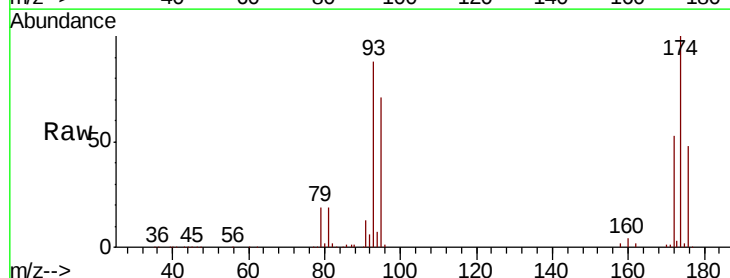
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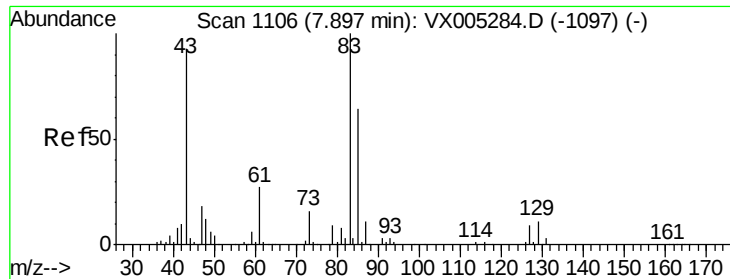
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#46
 Dibromomethane
 Concen: 48.560 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Tgt Ion: 93 Resp: 92890
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.5 98.3
 174 120.2 94.2 141.4





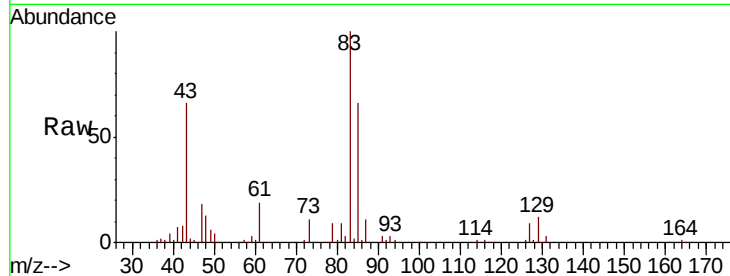
#47
Bromodichloromethane
Concen: 50.975 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

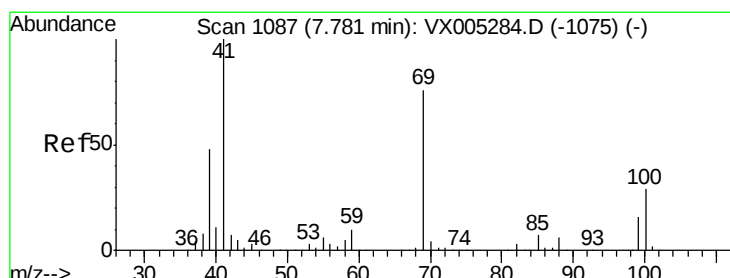
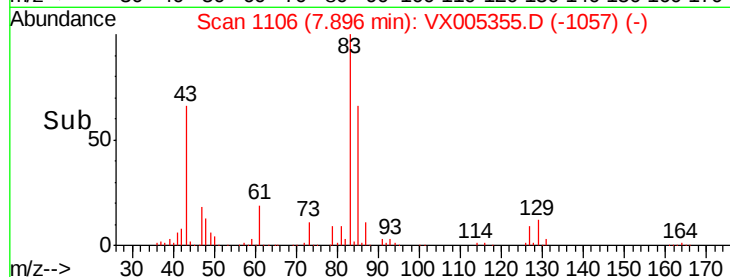
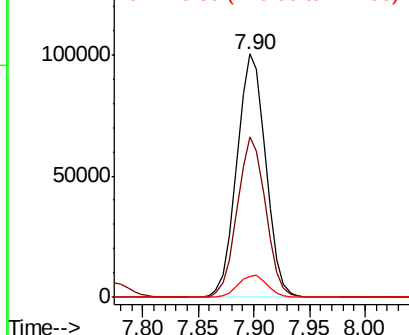
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.6	50.9	76.3	
127	8.8	7.3	10.9	

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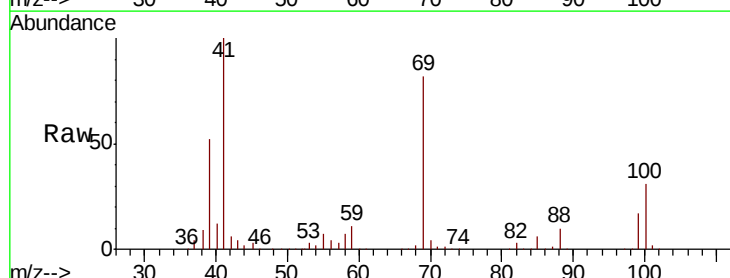


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

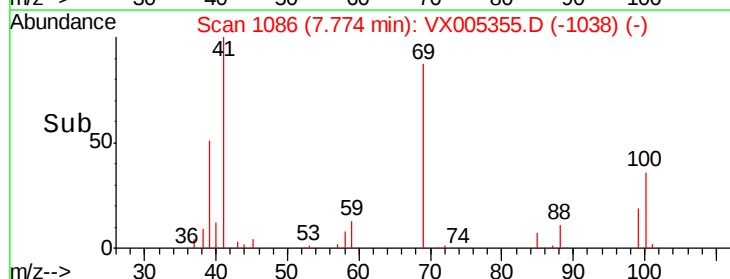
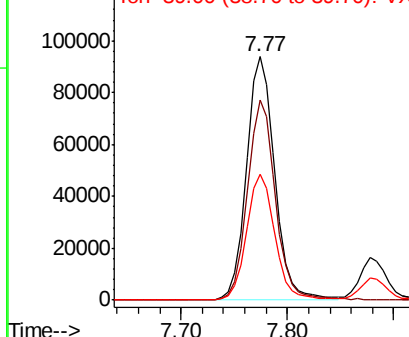


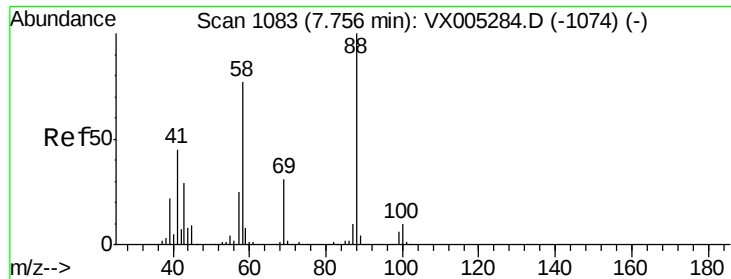
#48
Methyl methacrylate
Concen: 49.878 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	82.0	70.2	105.4	
39	51.8	42.7	64.1	



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





#49

1,4-Dioxane

Concen: 940.446 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

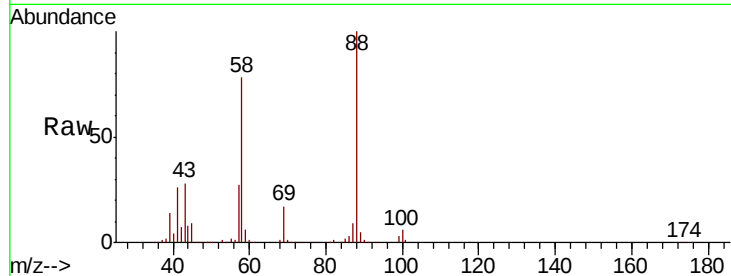
ClientSampleId :

VSTDCCC050

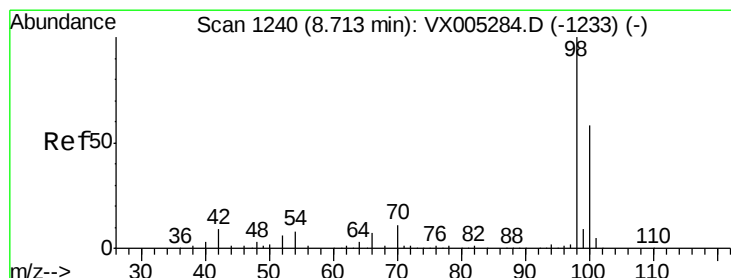
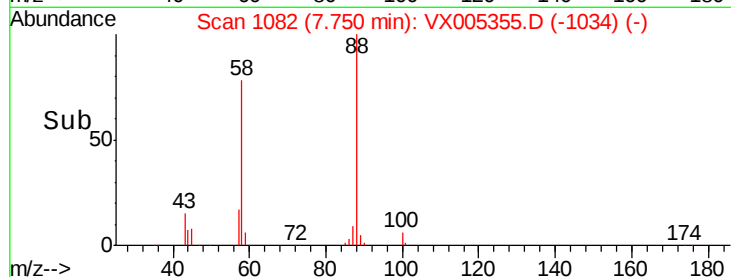
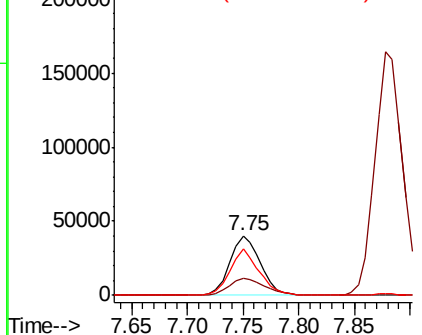
Tot Ion:	88	Resp:	75910
Ion	Ratio	Lower	Upper
88	100		
43	33.4	24.7	37.1
58	74.3	55.3	82.9

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.465 ug/l

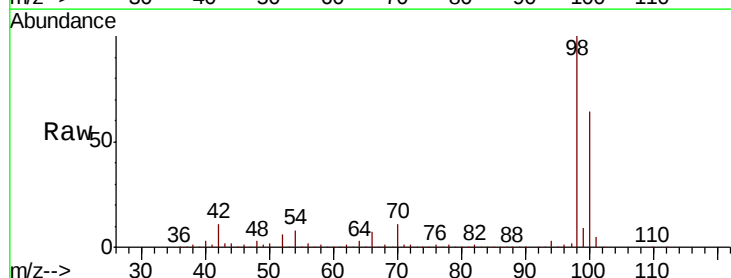
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

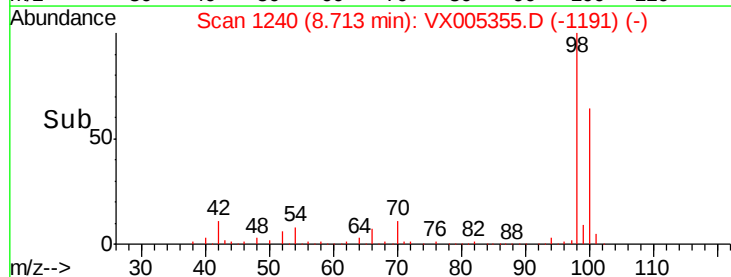
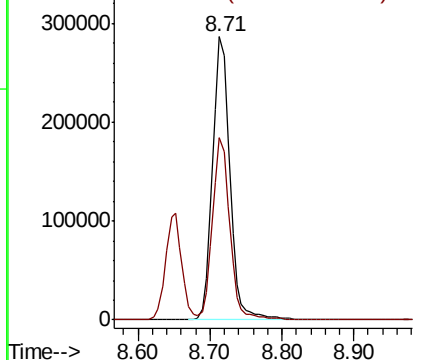
Lab File: VX005355.D

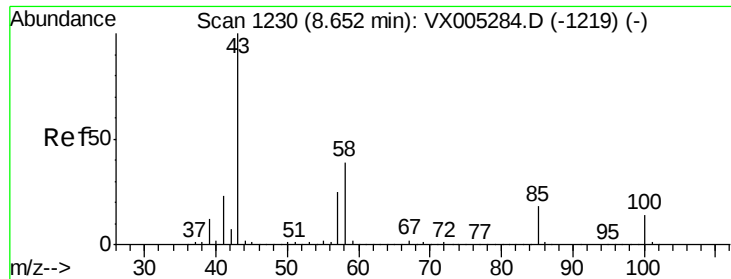
Acq: 16 Oct 2018 08:08

Tgt Ion:	98	Resp:	475909
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 249.375 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1165089

Ion Ratio Lower Upper

43 100

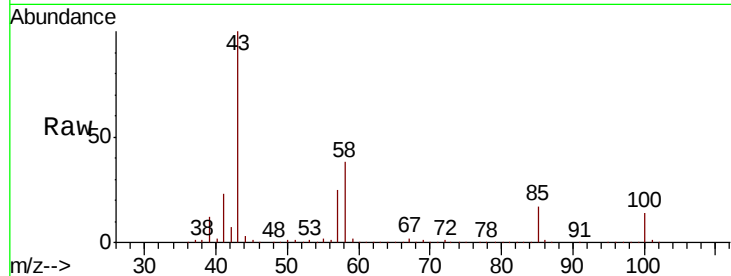
58 38.4 33.1 49.7

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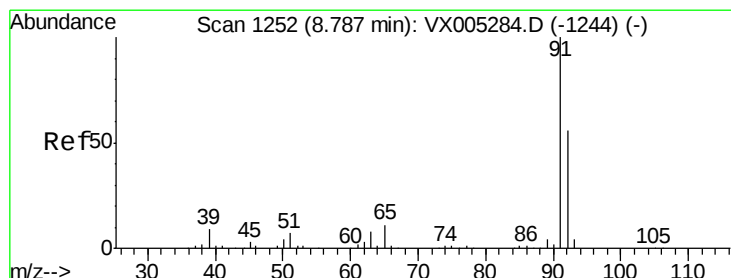
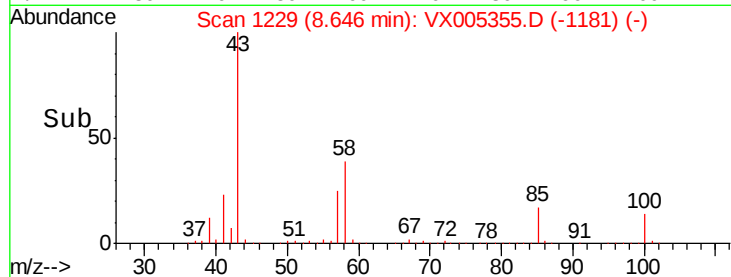
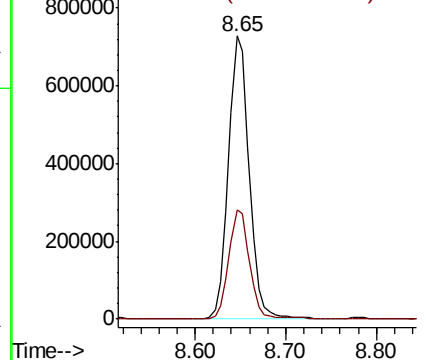
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.199 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005355.D

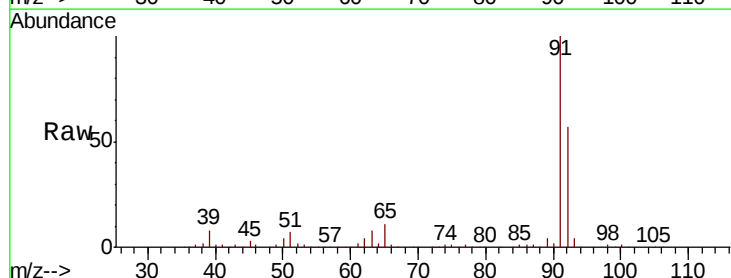
Acq: 16 Oct 2018 08:08

Tgt Ion: 92 Resp: 337418

Ion Ratio Lower Upper

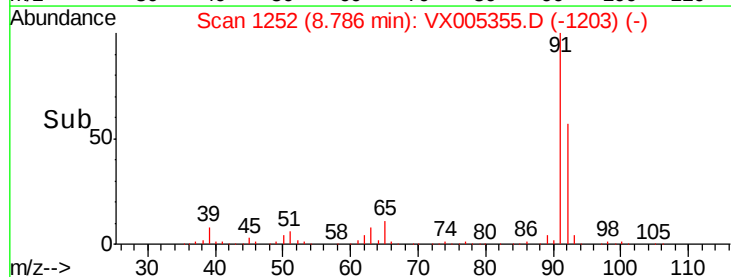
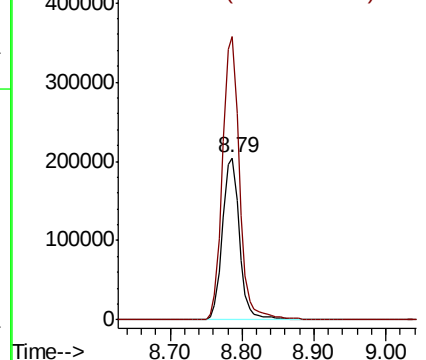
92 100

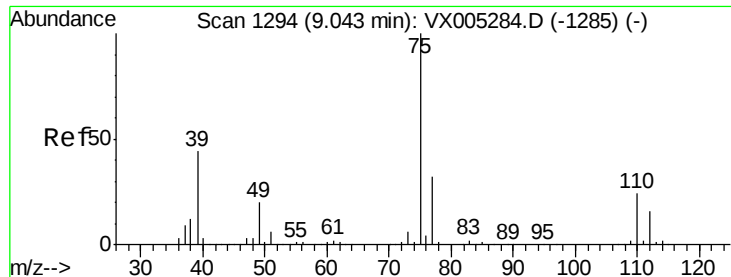
91 174.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





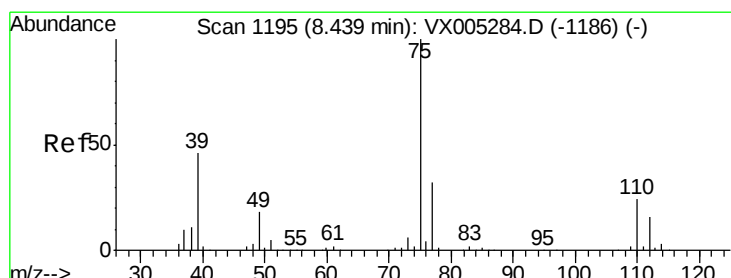
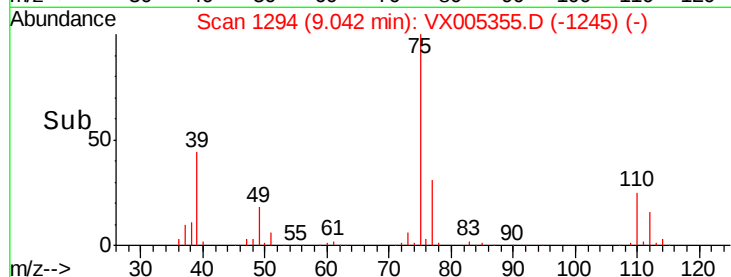
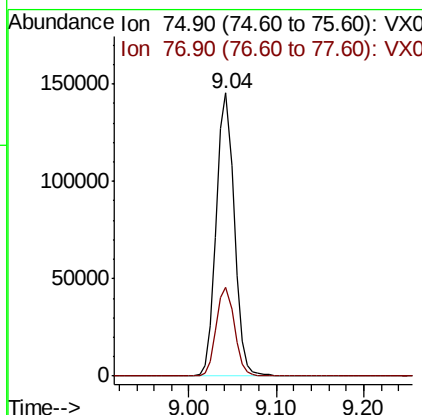
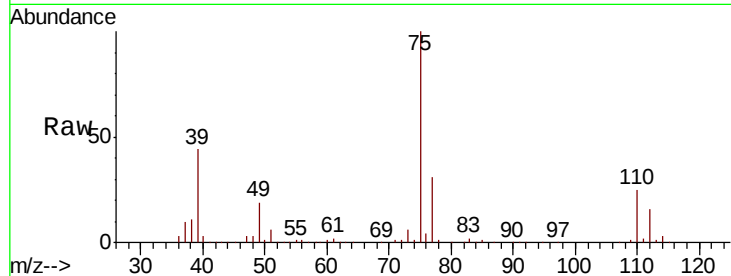
#53
t-1,3-Dichloropropene
Concen: 54.062 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 207016
Ion Ratio Lower Upper
75 100
77 31.2 24.6 37.0

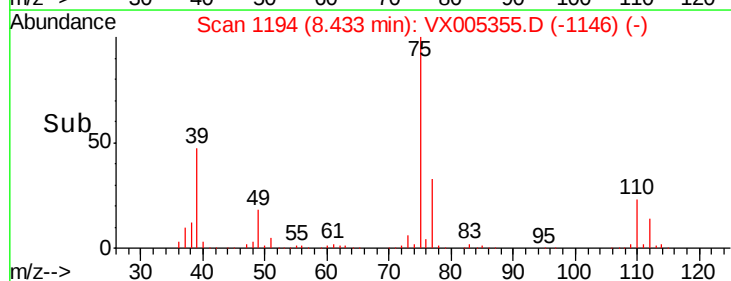
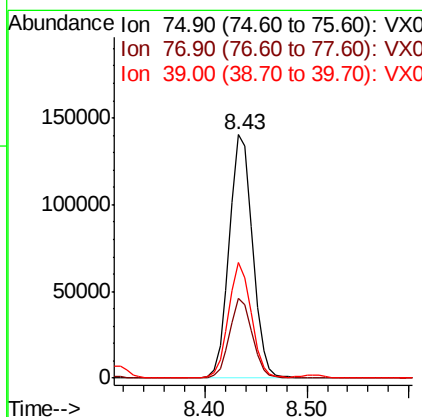
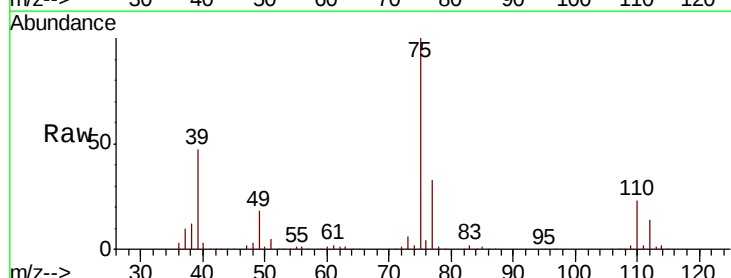
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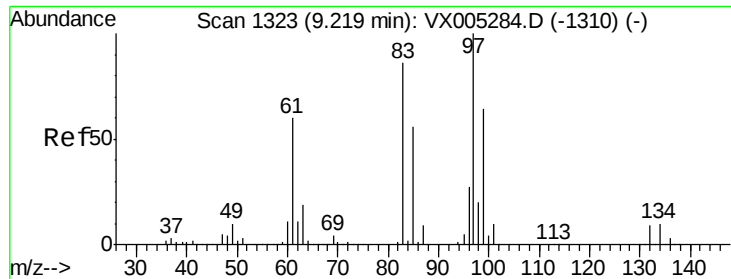
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#54
cis-1,3-Dichloropropene
Concen: 53.461 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion: 75 Resp: 221812
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.2
39 47.4 36.4 54.6





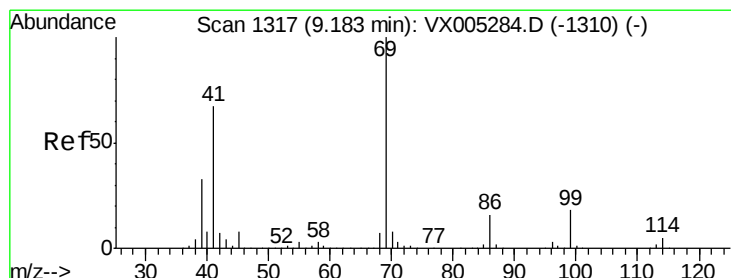
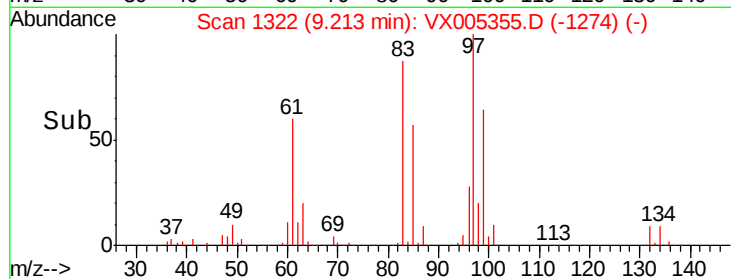
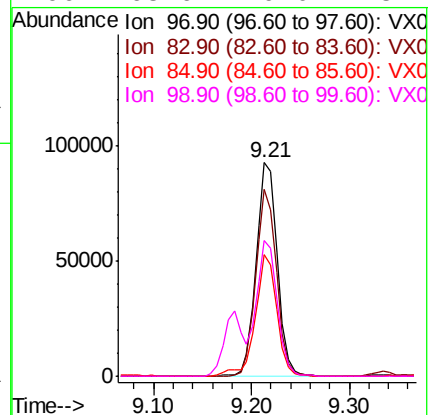
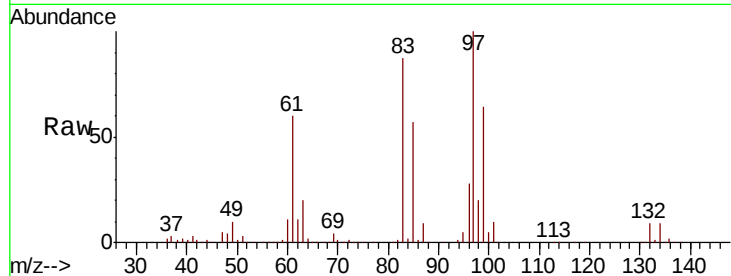
#55
 1,1,2-Trichloroethane
 Concen: 50.687 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	138777
Ion	Ratio	Lower	Upper
97	100		
83	87.4	66.4	99.6
85	56.9	43.3	64.9
99	63.6	49.0	73.4

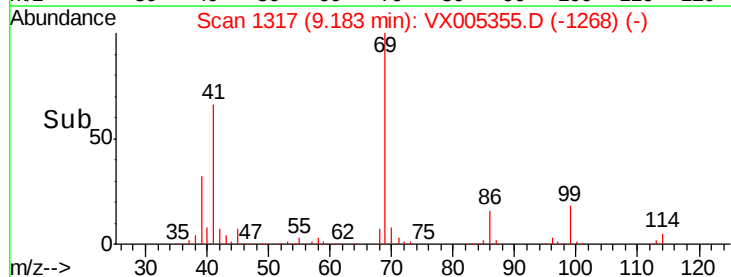
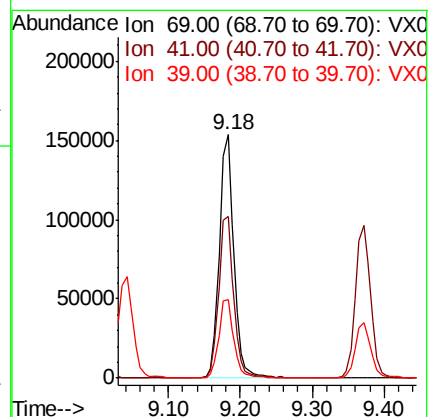
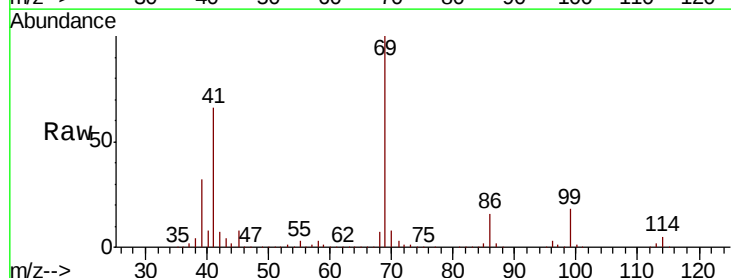
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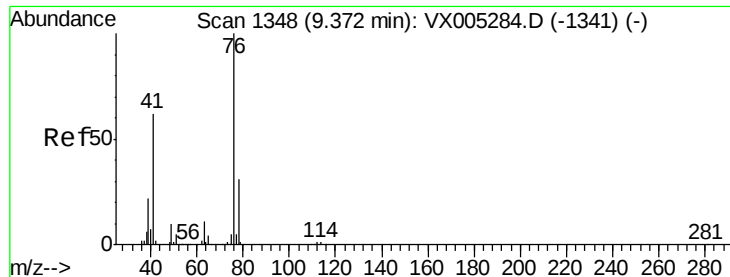
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#56
 Ethyl methacrylate
 Concen: 53.413 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Tgt Ion:	69	Resp:	213190
Ion	Ratio	Lower	Upper
69	100		
41	68.4	51.0	76.4
39	33.0	26.1	39.1





#57

1,3-Dichloropropane

Concen: 50.758 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 231954

Ion Ratio Lower Upper

76 100

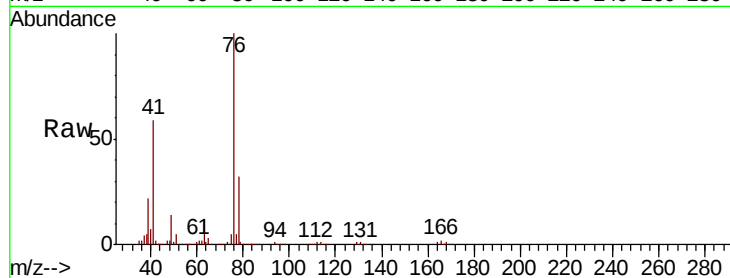
78 31.9 25.5 38.3

Manual Integrations

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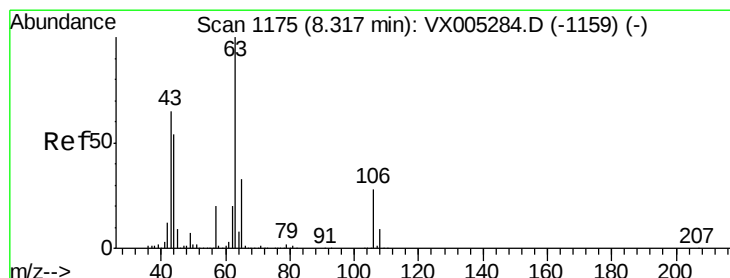
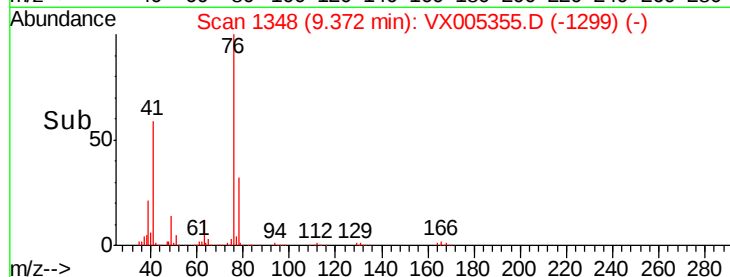
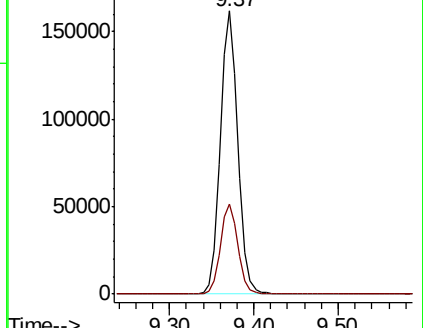
MMDadoda

10/17/2018 9:34:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 257.510 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005355.D

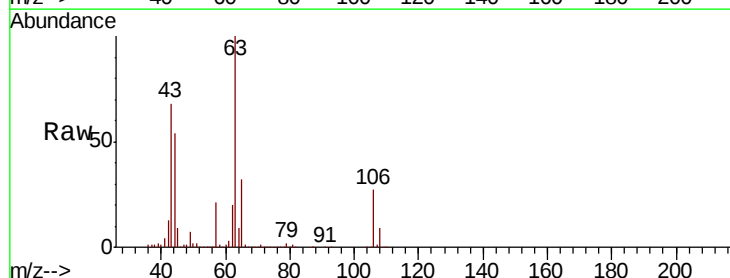
Acq: 16 Oct 2018 08:08

Tgt Ion: 63 Resp: 576412

Ion Ratio Lower Upper

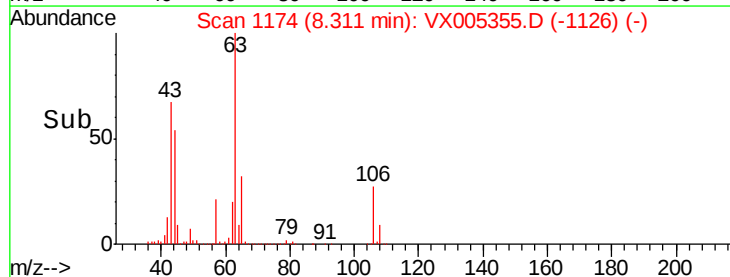
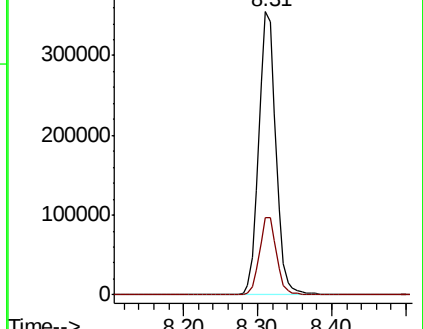
63 100

106 27.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





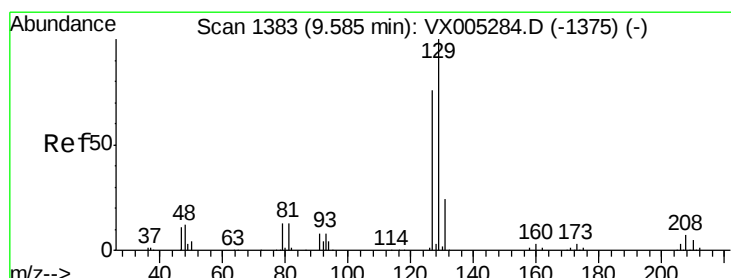
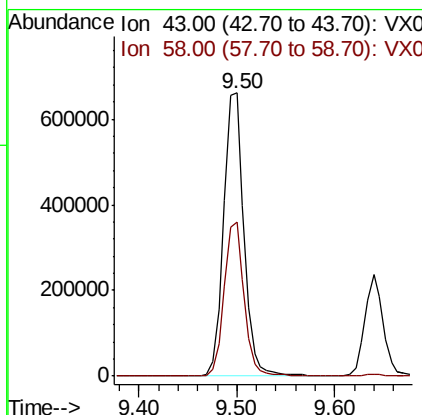
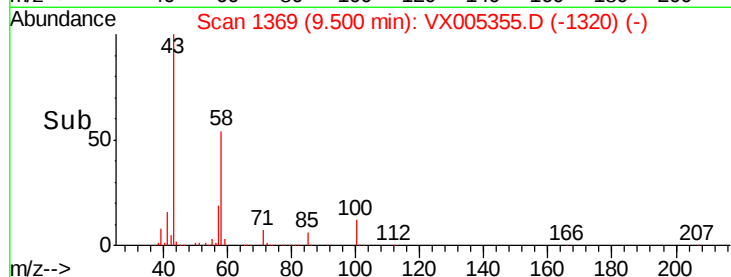
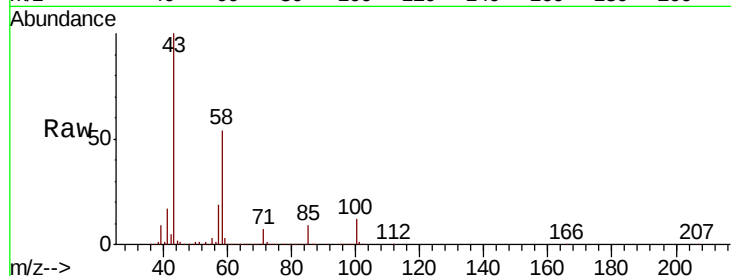
#59
2-Hexanone
Concen: 253.744 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 953624
Ion Ratio Lower Upper
43 100
58 53.5 29.0 87.0

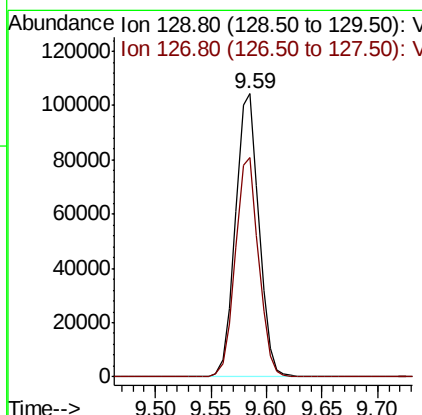
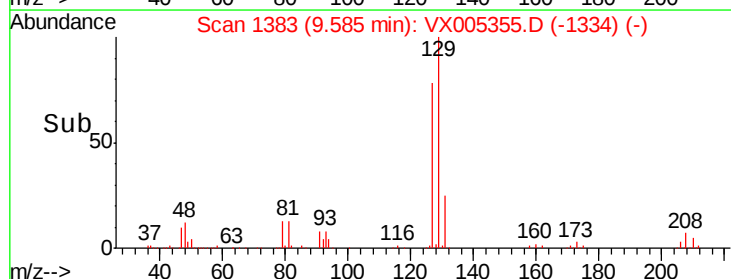
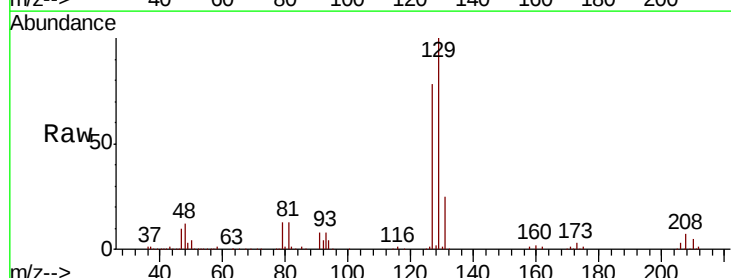
Manual Integrations
APPROVED

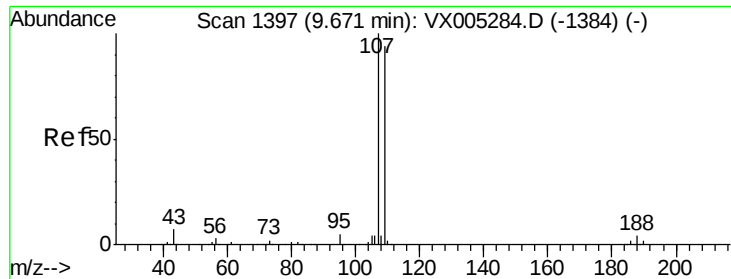
MMDadoda
10/17/2018 9:34:16 AM



#60
Dibromochloromethane
Concen: 53.852 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion: 129 Resp: 152405
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.323 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 144594

Ion Ratio Lower Upper

107 100

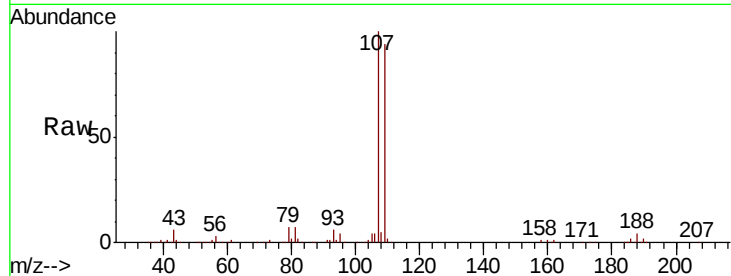
109 95.6 76.0 114.0

Manual Integrations

APPROVED

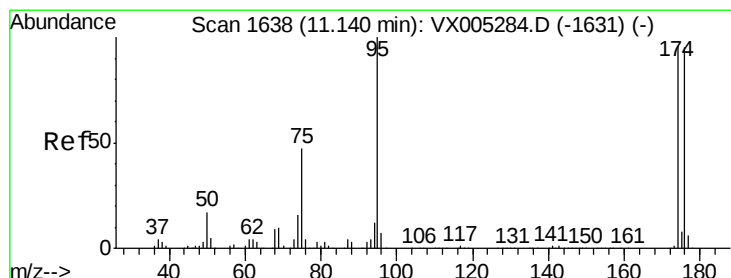
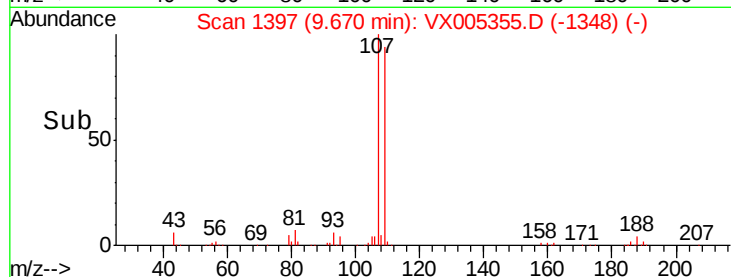
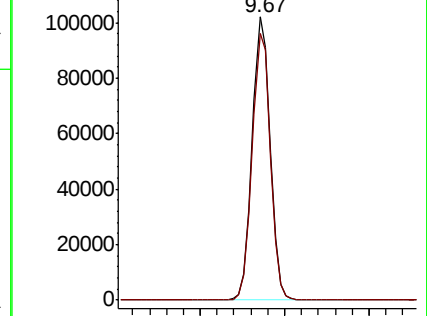
MMDadoda

10/17/2018 9:34:16 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.693 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

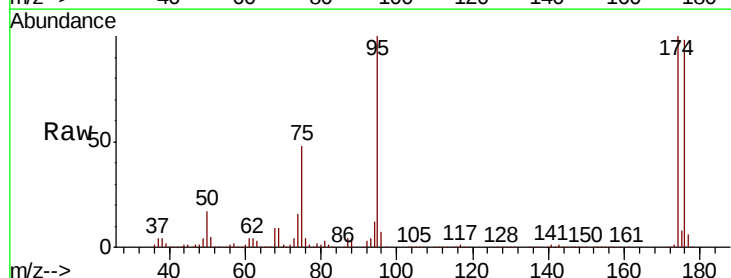
Tgt Ion: 95 Resp: 179573

Ion Ratio Lower Upper

95 100

174 95.4 0.0 185.2

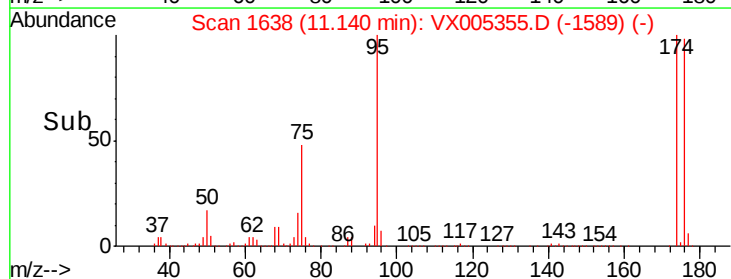
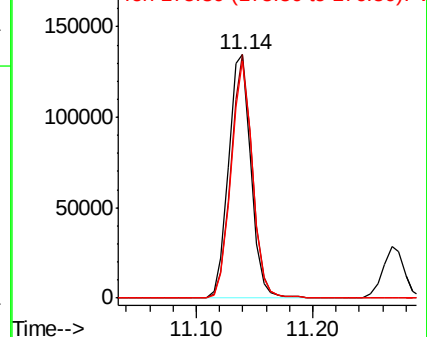
176 93.0 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





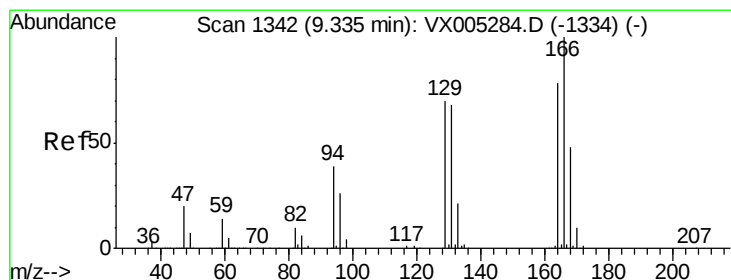
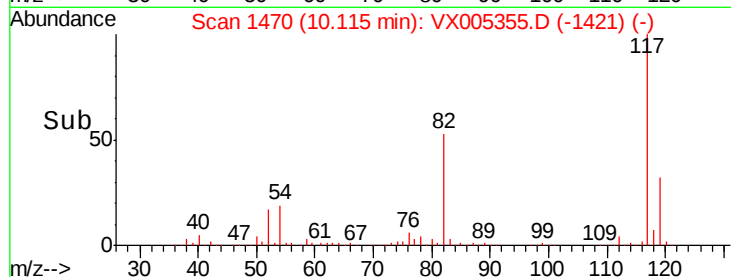
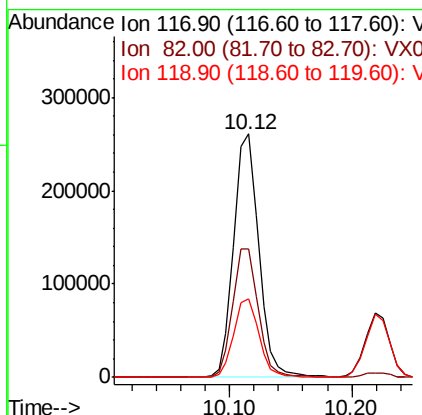
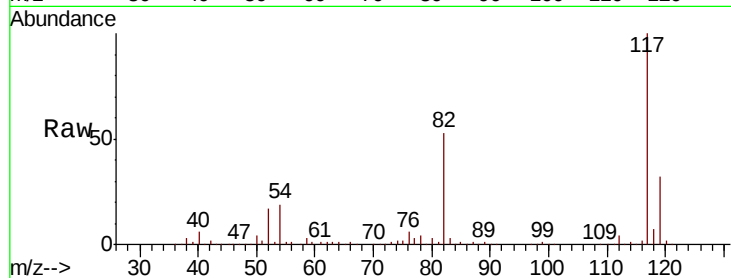
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	47.8	71.6
119	32.4	29.3	43.9

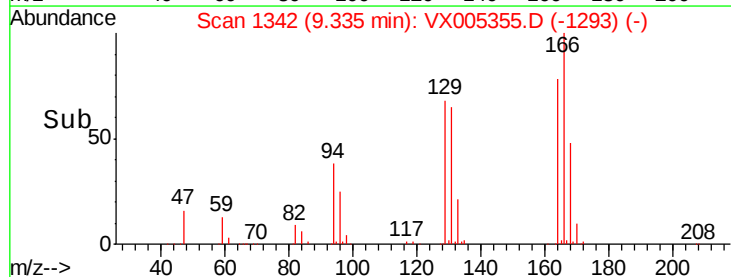
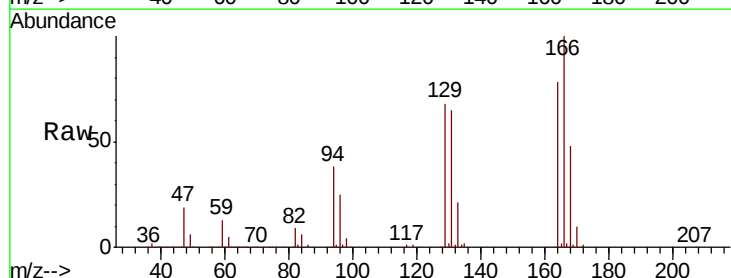
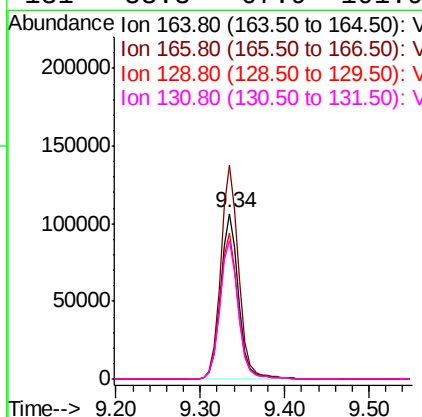
Manual Integrations
APPROVED

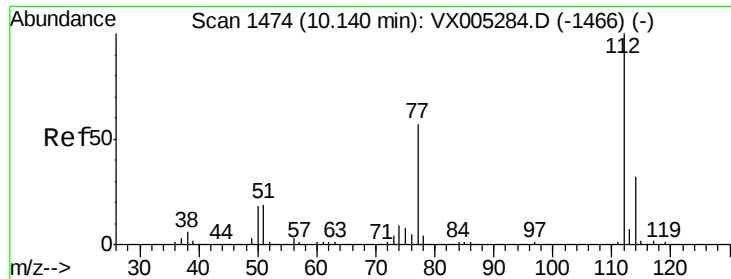
MMDadoda
10/17/2018 9:34:16 AM



#64
Tetrachloroethene
Concen: 52.287 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.8	154.2
129	87.9	69.4	104.0
131	83.8	67.9	101.9





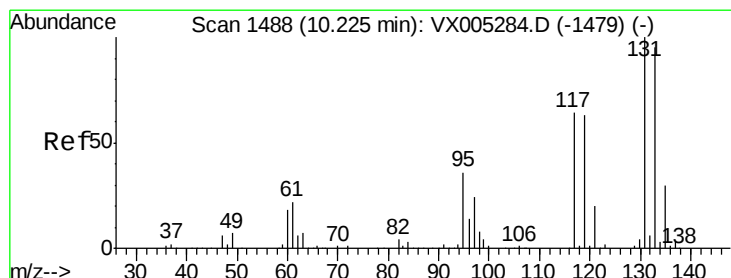
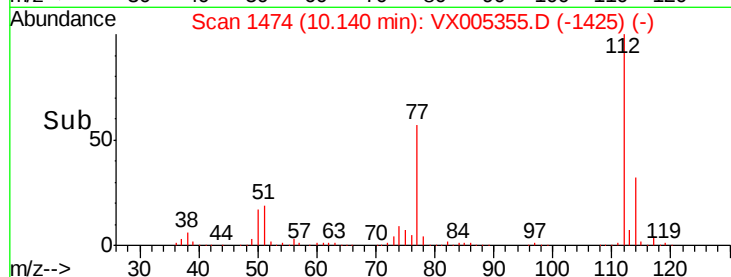
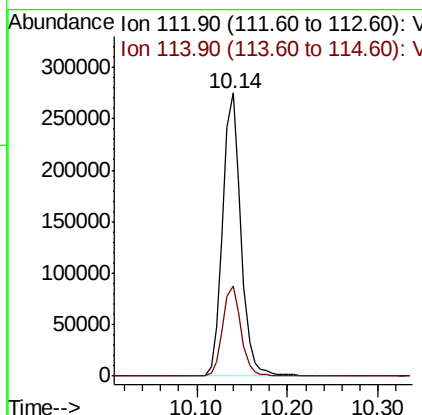
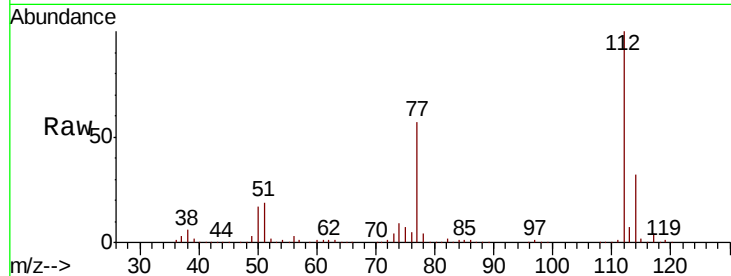
#65
Chlorobenzene
Concen: 48.939 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 386636
Ion Ratio Lower Upper
112 100
114 32.0 27.8 41.8

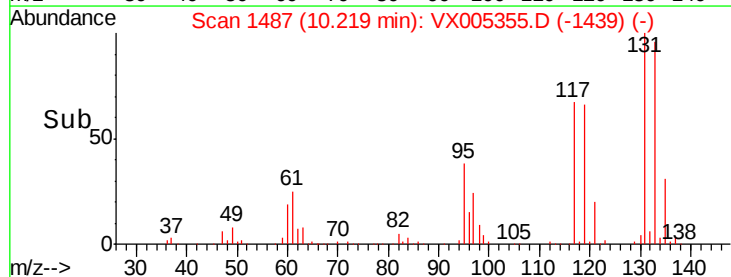
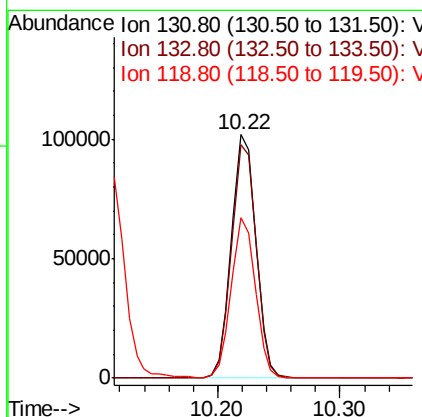
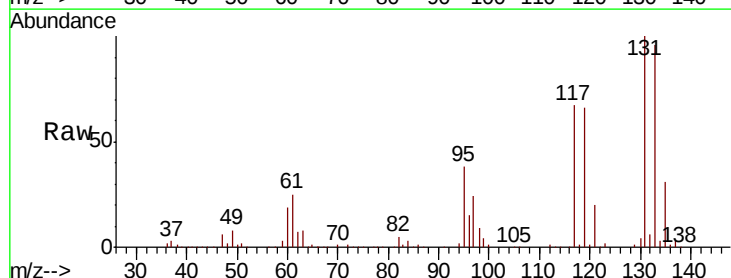
Manual Integrations
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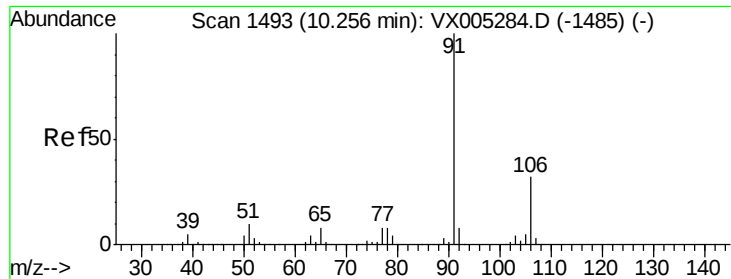
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.218 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion:131 Resp: 141383
Ion Ratio Lower Upper
131 100
133 96.5 48.1 144.4
119 64.9 32.9 98.6





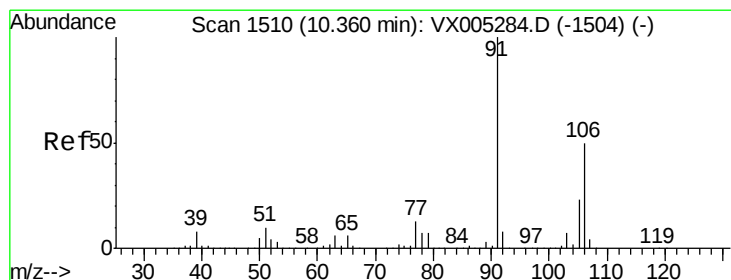
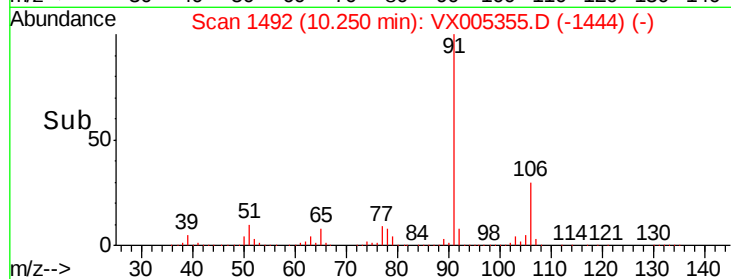
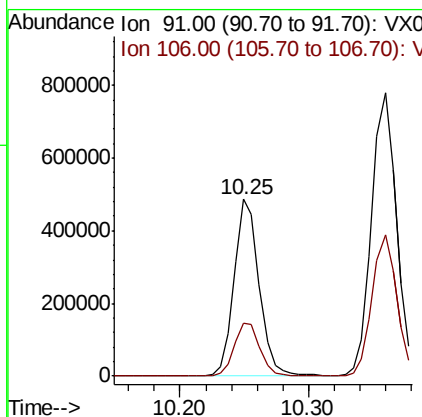
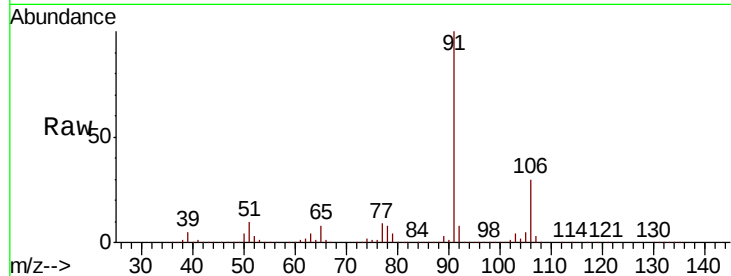
#67
Ethyl Benzene
Concen: 51.657 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 663457
Ion Ratio Lower Upper
91 100
106 30.1 25.9 38.9

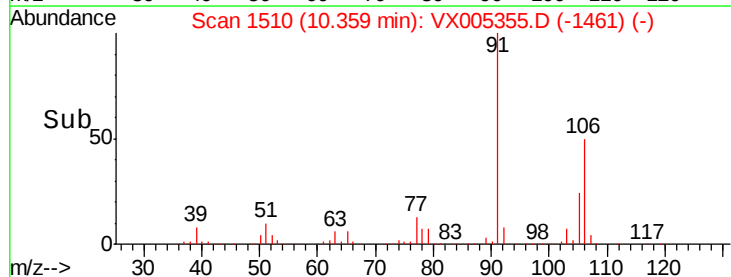
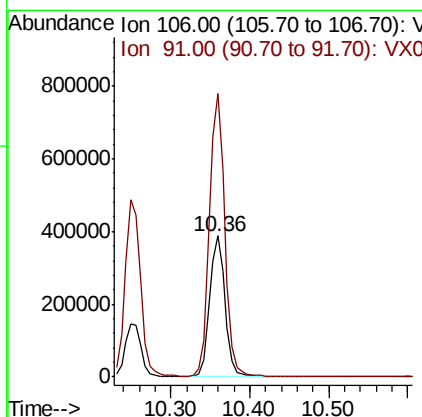
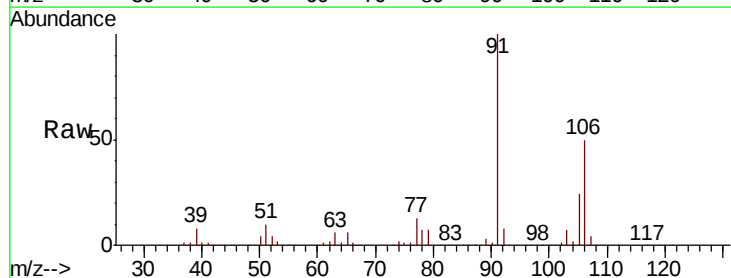
Manual Integrations
APPROVED

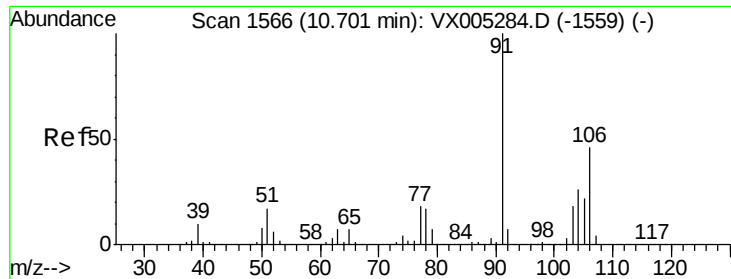
MMDadoda
10/17/2018 9:34:16 AM



#68
m/p-Xylenes
Concen: 104.864 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion: 106 Resp: 522749
Ion Ratio Lower Upper
106 100
91 201.8 157.1 235.7





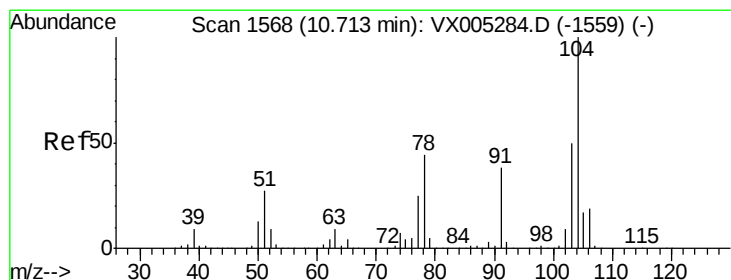
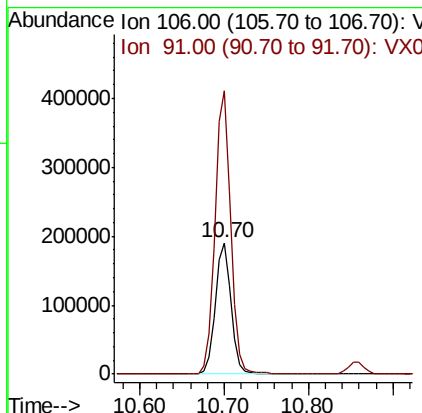
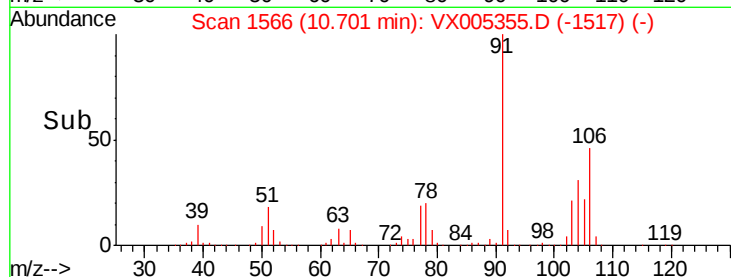
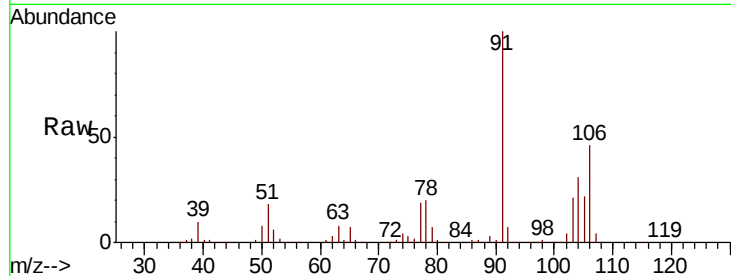
#69
o-Xylene
Concen: 51.306 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 246663
Ion Ratio Lower Upper
106 100
91 215.6 105.1 315.1

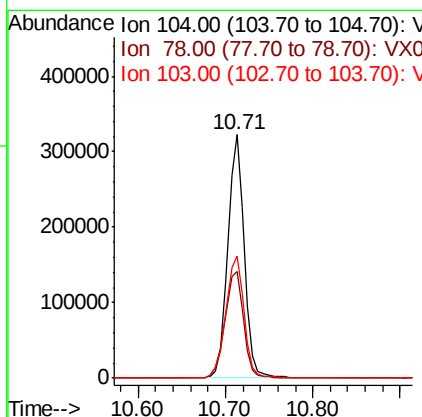
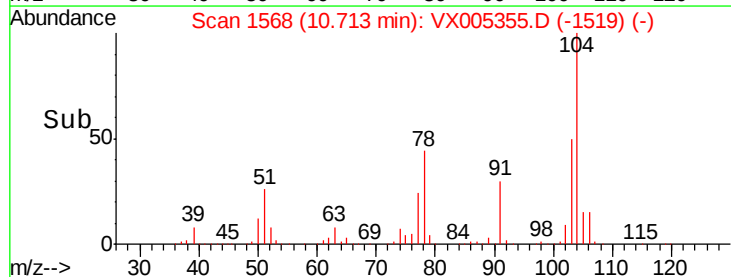
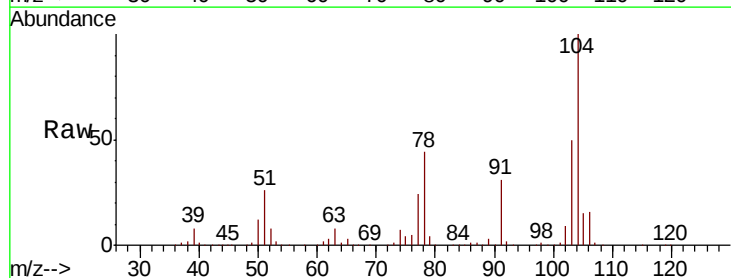
Manual Integrations
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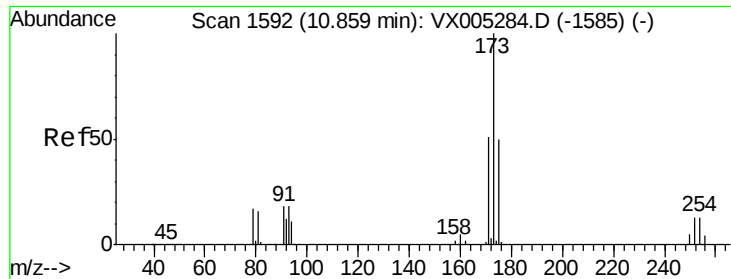
MMDadoda
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#70
Styrene
Concen: 53.041 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion:104 Resp: 419433
Ion Ratio Lower Upper
104 100
78 49.9 37.4 56.0
103 55.8 43.8 65.6





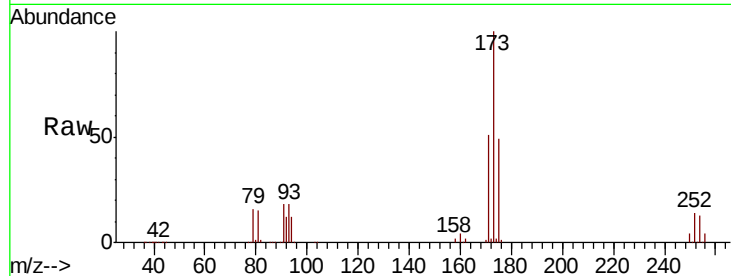
#71
Bromoform
Concen: 51.464 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
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10/17/2018 9:34:16 AM

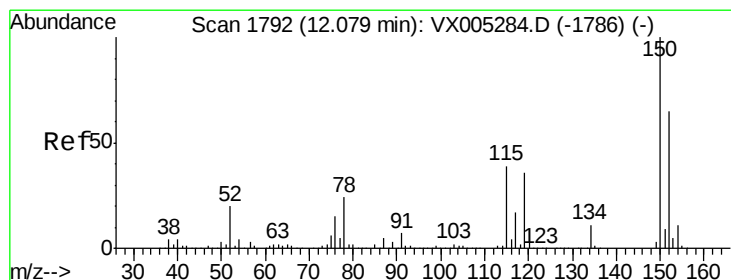
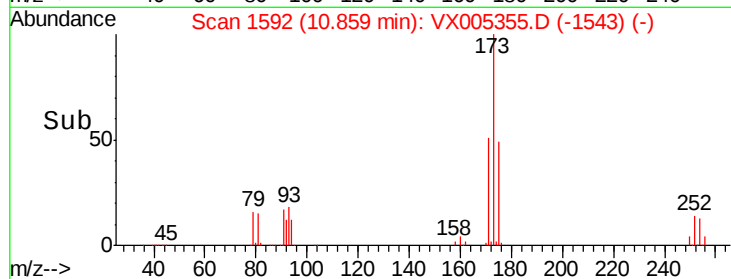
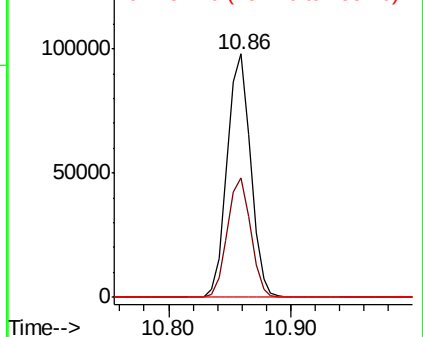


Abundance

Ion 172.70 (172.40 to 173.40): V

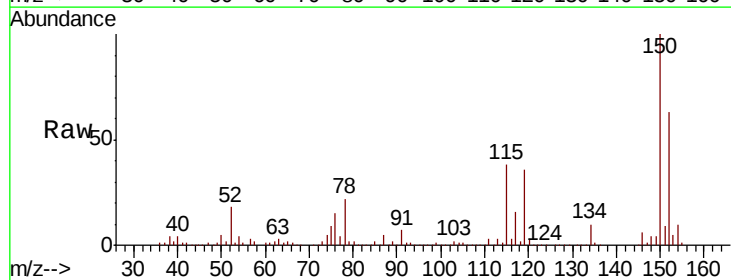
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.4	39.0	117.0
150	173.0	0.0	351.0

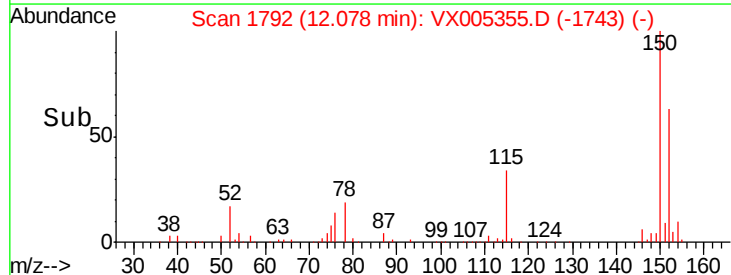
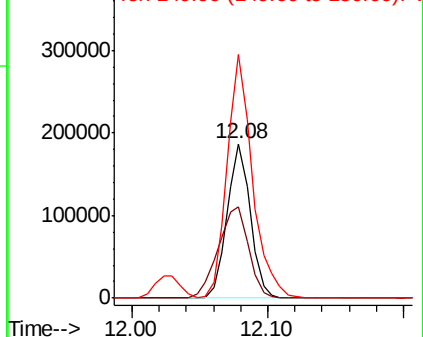


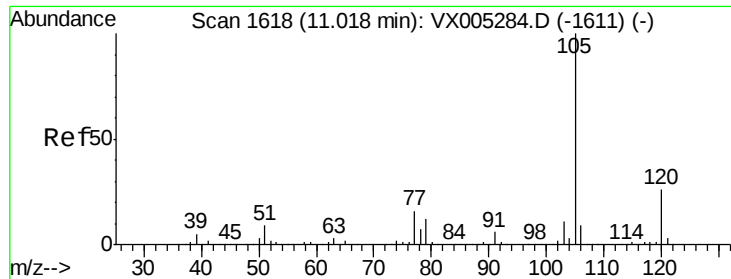
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





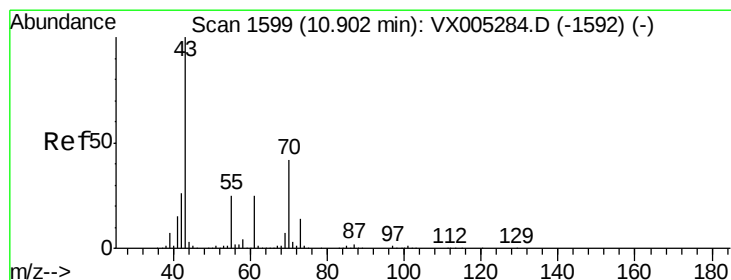
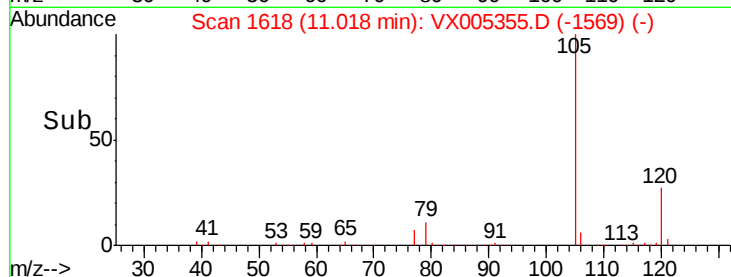
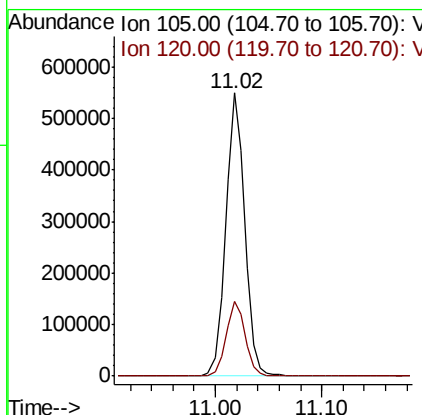
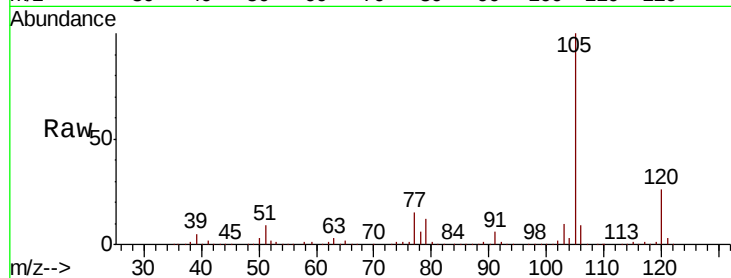
#73
Isopropylbenzene
Concen: 52.191 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 683407
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4

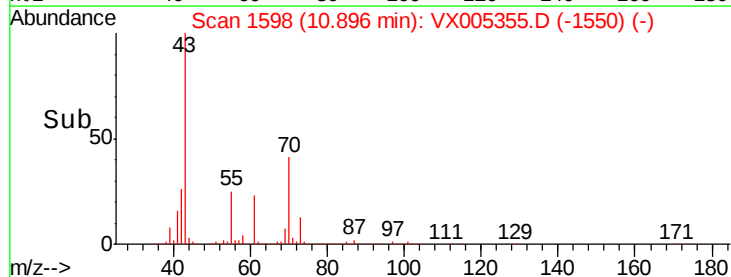
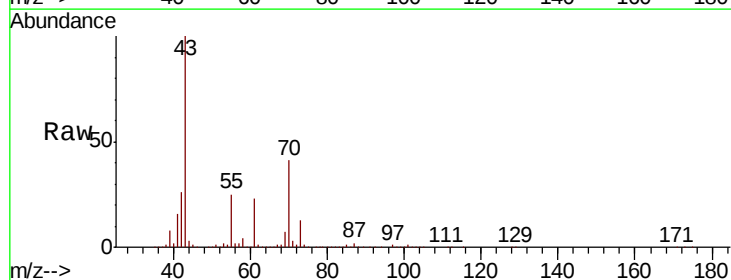
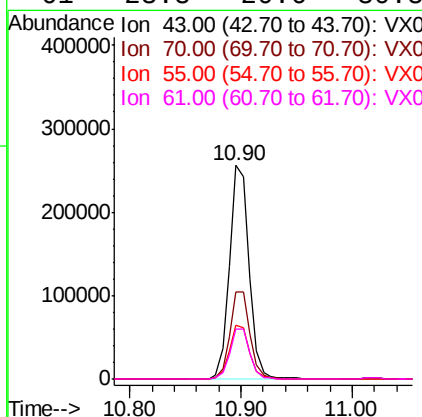
Manual Integrations
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#74
N-ethyl acetate
Concen: 49.253 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion: 43 Resp: 311060
Ion Ratio Lower Upper
43 100
70 41.6 37.4 56.0
55 25.5 21.8 32.8
61 23.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 45.977 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

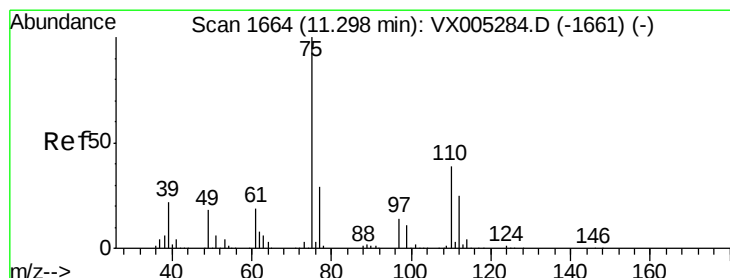
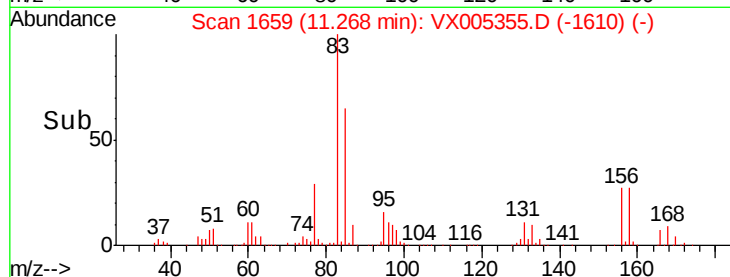
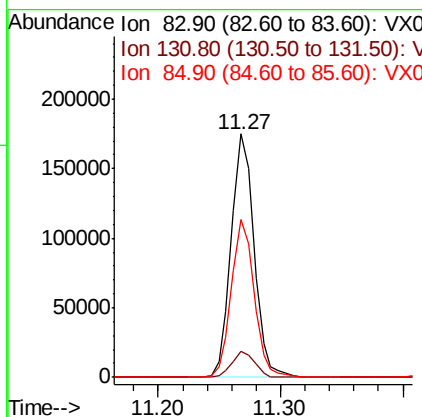
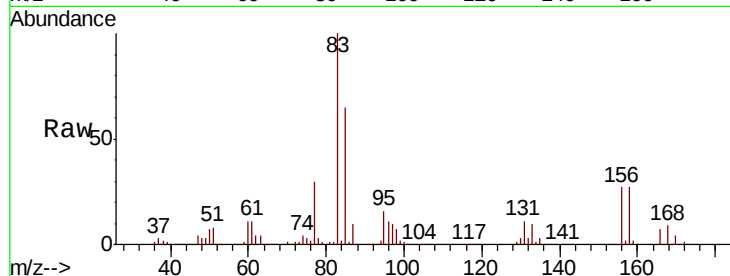
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	227103
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.6	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:34:16 AM



#76

1,2,3-Trichloropropane

Concen: 51.008 ug/l m

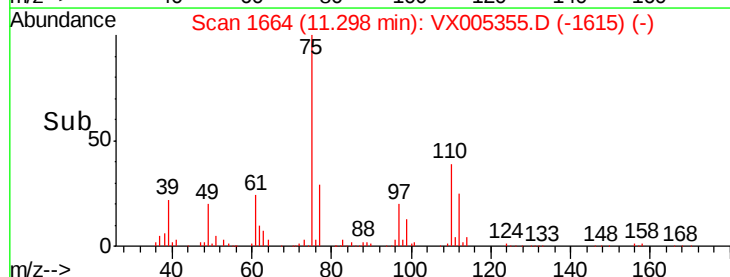
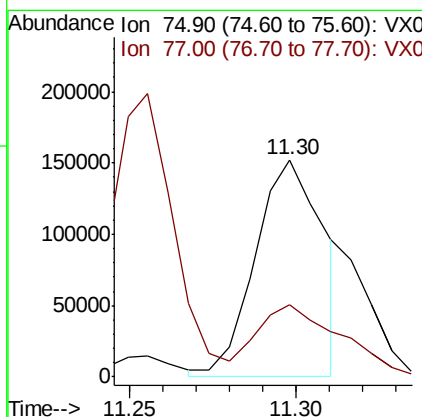
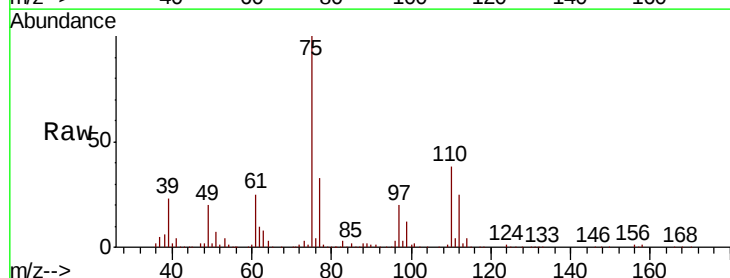
RT: 11.30 min Scan# 1664

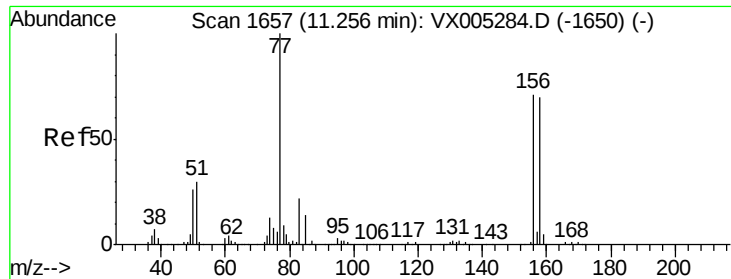
Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Tgt Ion:	75	Resp:	217936
Ion Ratio	Lower	Upper	
75	100		
77	40.6	20.2	60.6





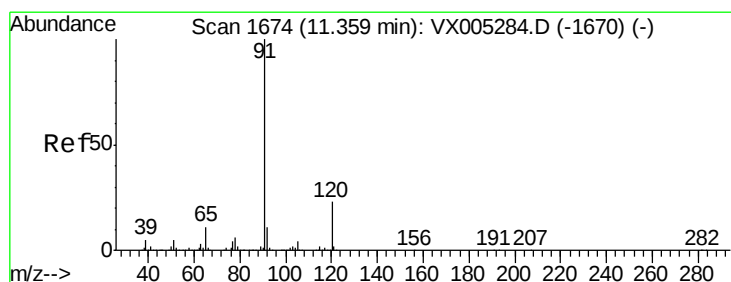
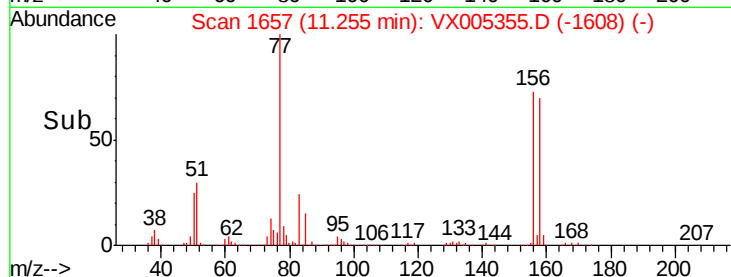
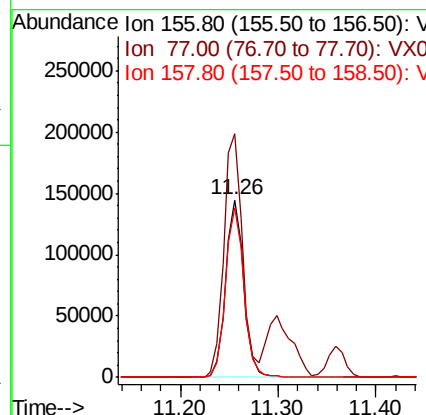
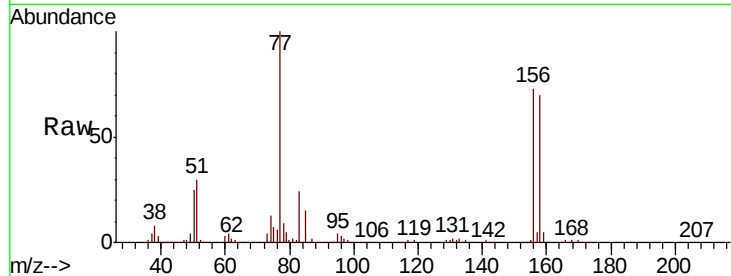
#77
Bromobenzene
Concen: 49.166 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	142.1	71.5	214.3	
158	97.6	48.9	146.8	

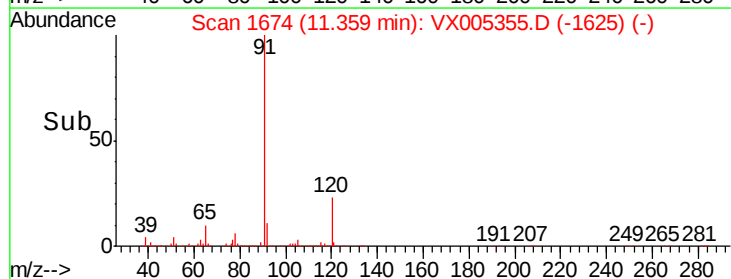
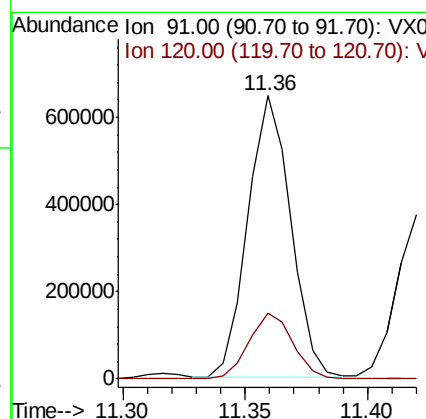
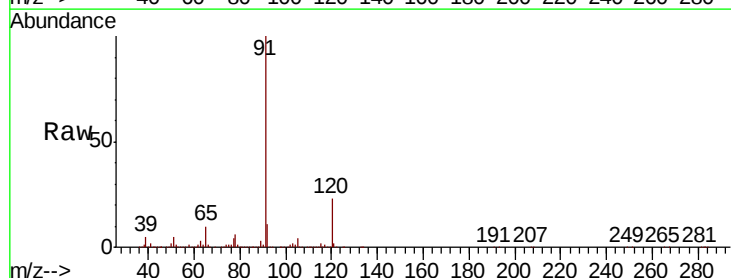
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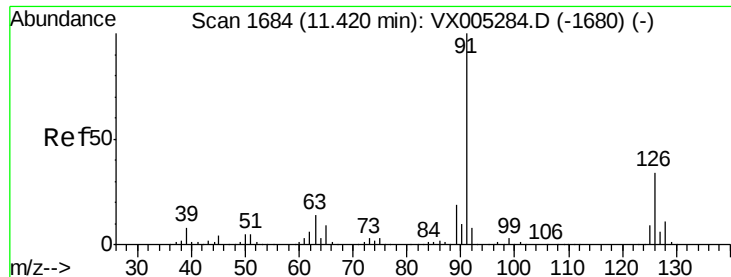
MMDadoda
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#78
n-propylbenzene
Concen: 52.400 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.1	11.9	35.9	





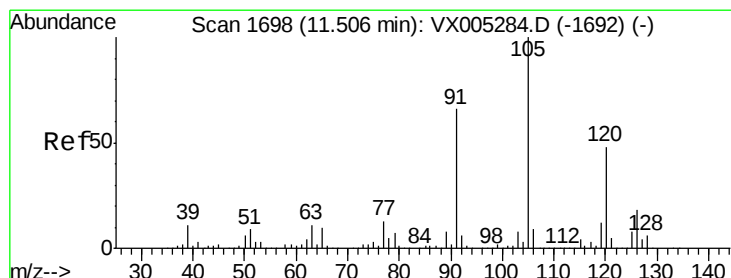
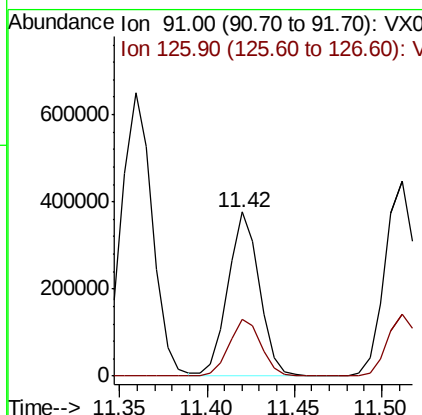
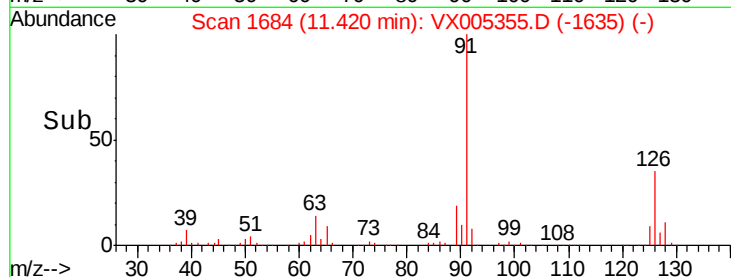
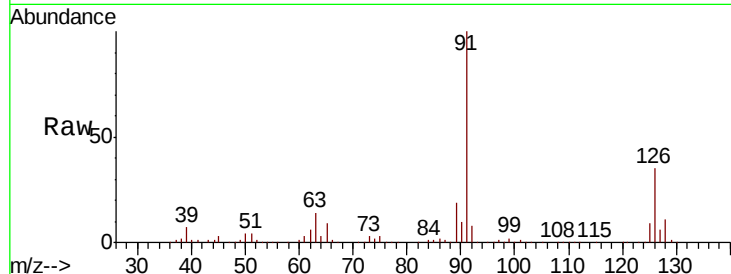
#79
 2-Chlorotoluene
 Concen: 50.538 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 466380
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.9 53.7

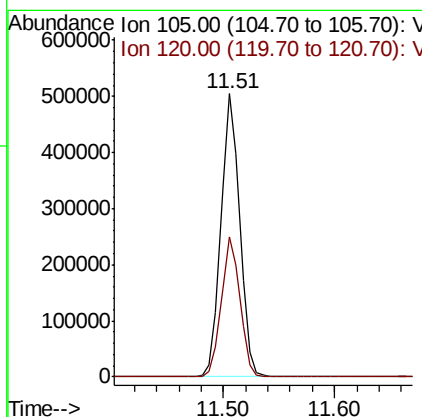
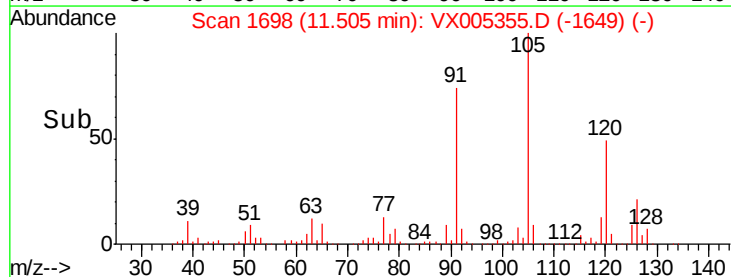
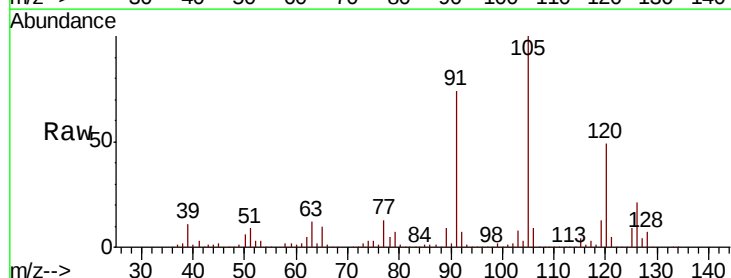
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.483 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Tgt Ion: 105 Resp: 588502
 Ion Ratio Lower Upper
 105 100
 120 49.2 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.899 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 70166

Ion Ratio Lower Upper

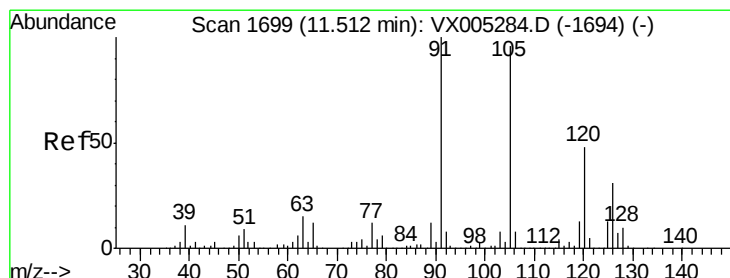
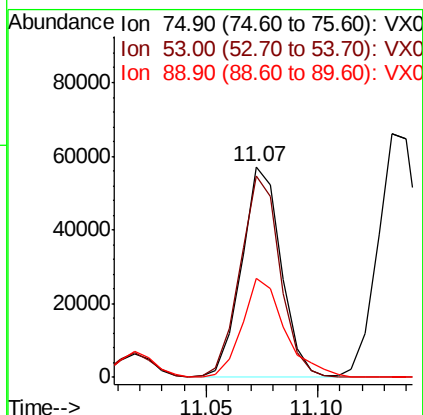
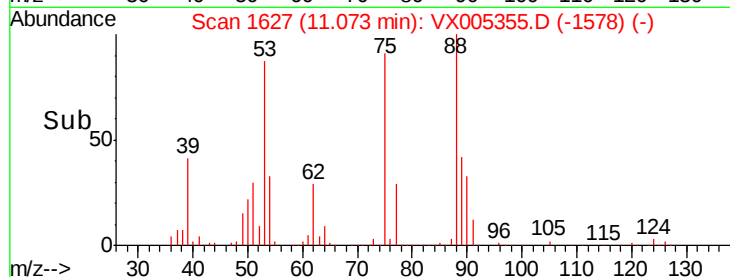
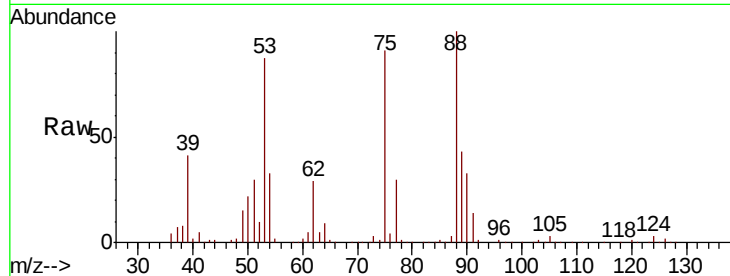
75 100

53 98.1 80.1 120.1

89 51.6 37.2 55.8

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#82

4-Chlorotoluene

Concen: 50.883 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005355.D

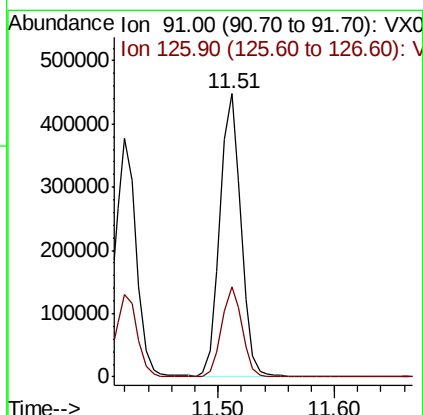
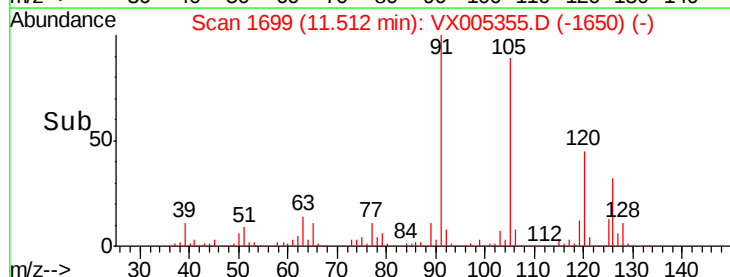
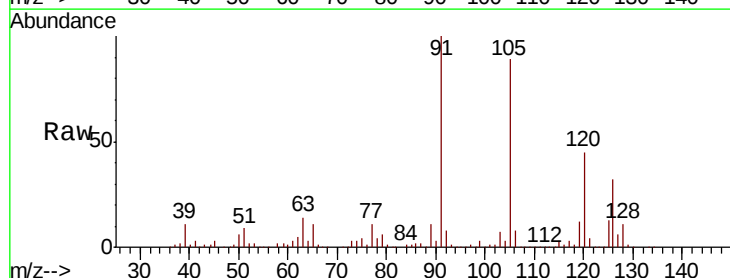
Acq: 16 Oct 2018 08:08

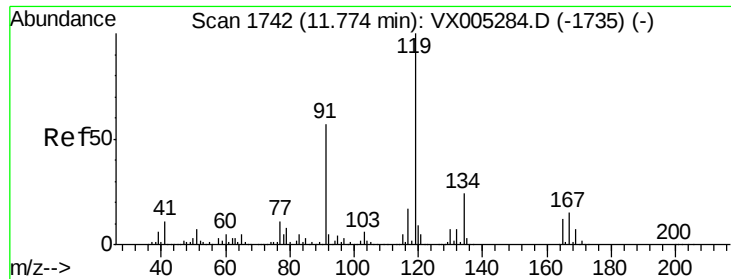
Tgt Ion: 91 Resp: 556627

Ion Ratio Lower Upper

91 100

126 31.2 15.5 46.5





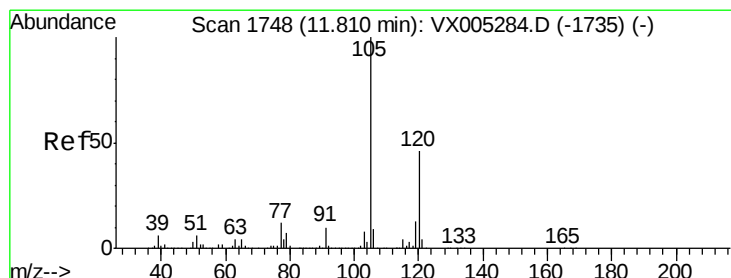
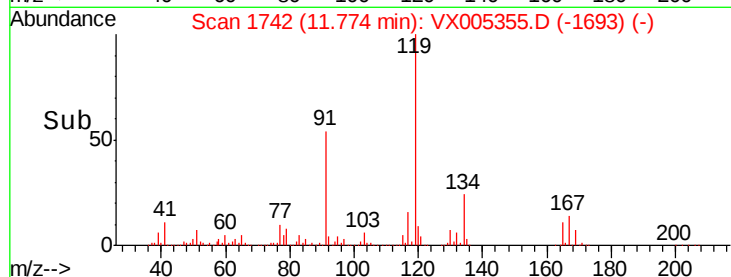
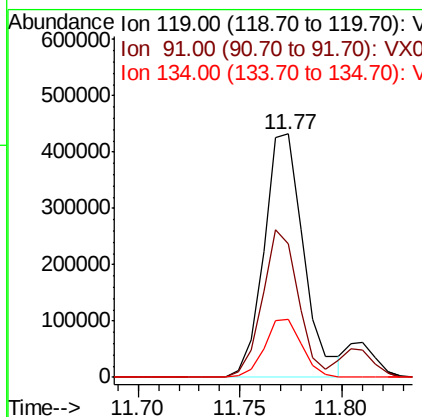
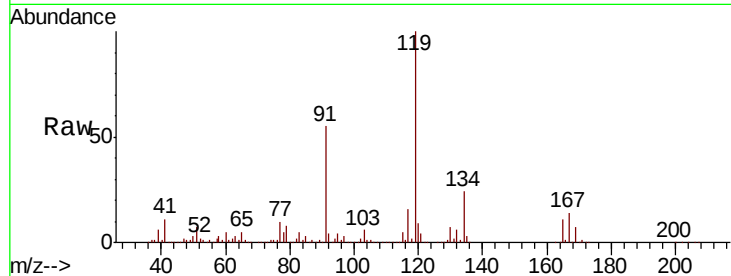
#83
tert-Butylbenzene
Concen: 51.542 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.0	27.0	81.0
134	22.7	11.7	35.1

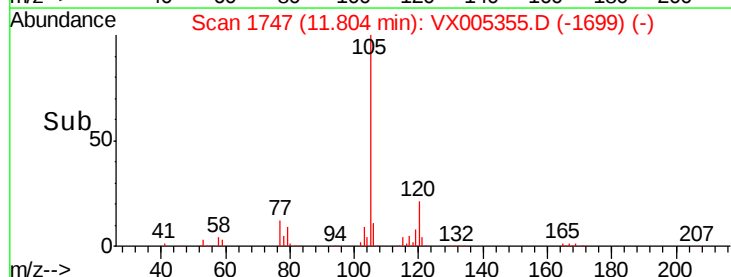
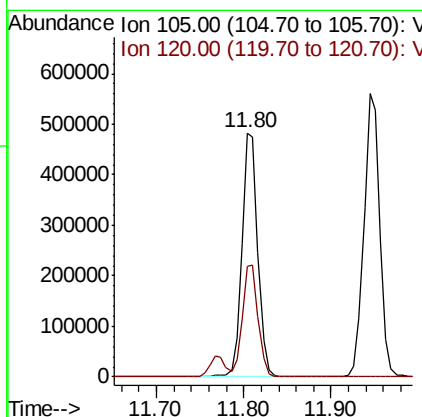
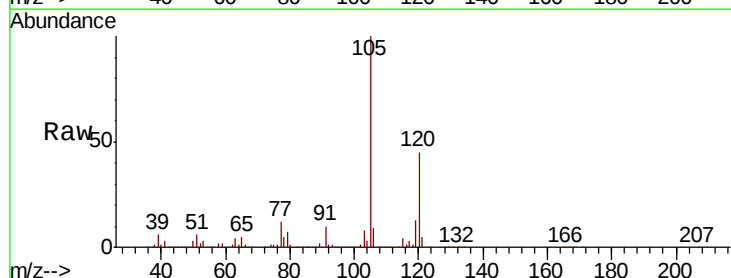
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#84
1,2,4-Trimethylbenzene
Concen: 52.711 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.2	69.6





#85

sec-Butylbenzene

Concen: 52.567 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 706381

Ion Ratio Lower Upper

105 100

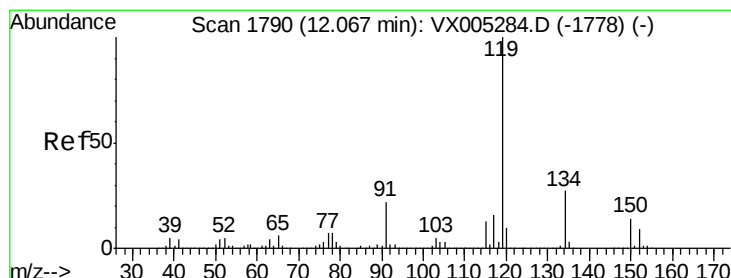
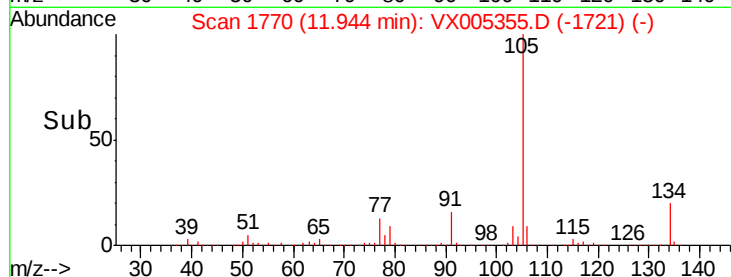
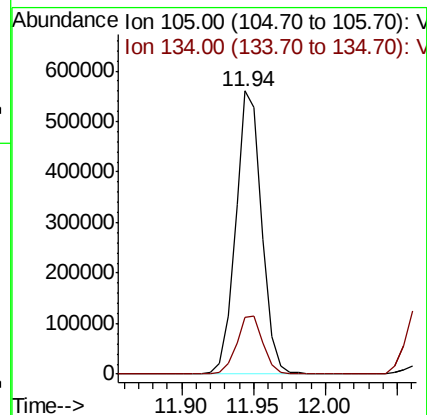
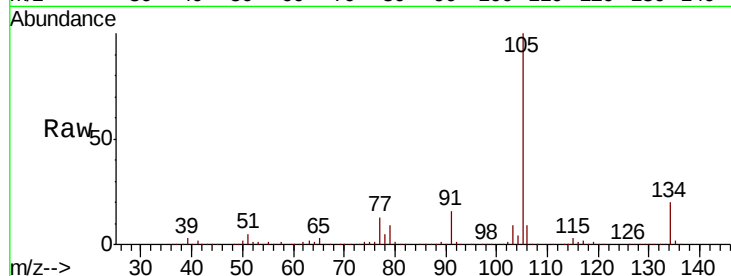
134 20.7 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 54.058 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

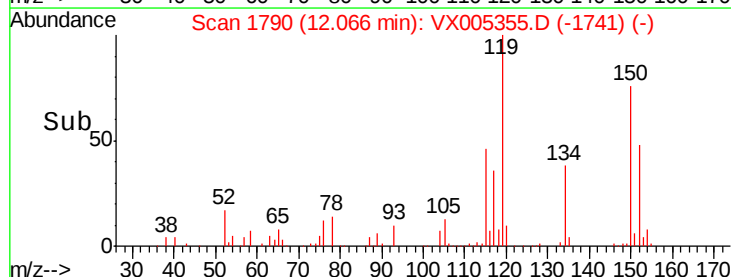
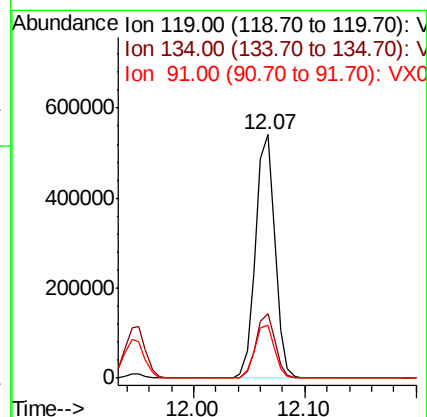
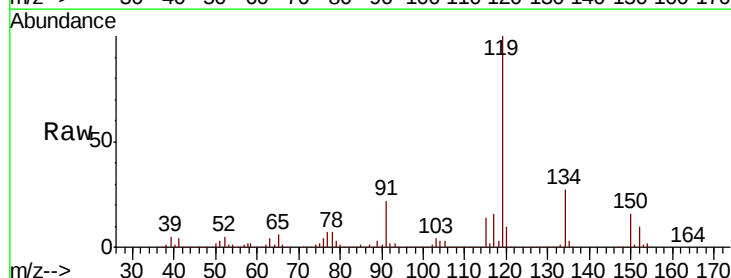
Tgt Ion:119 Resp: 656572

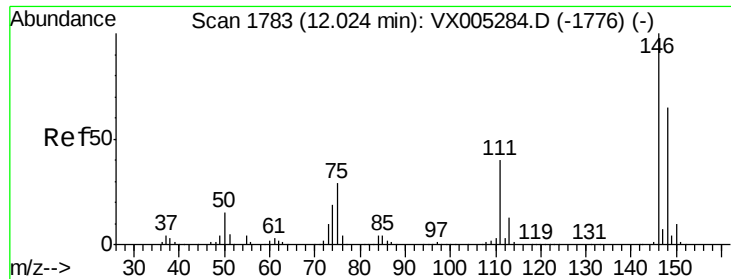
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 22.5 10.9 32.7





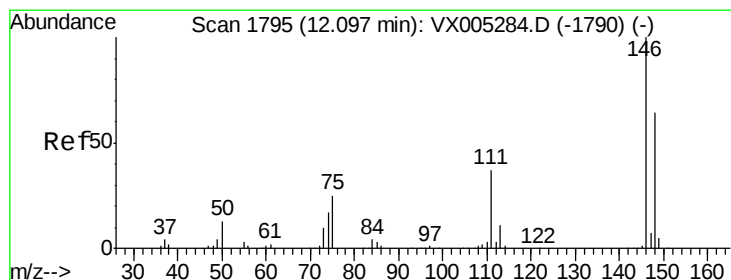
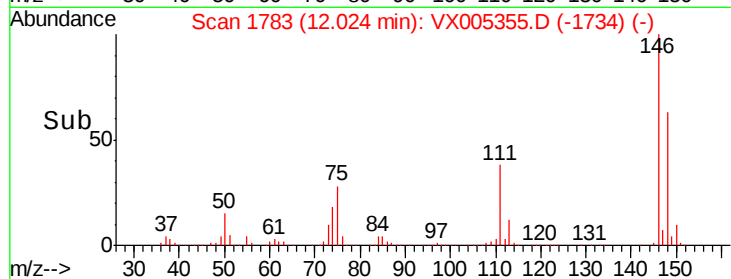
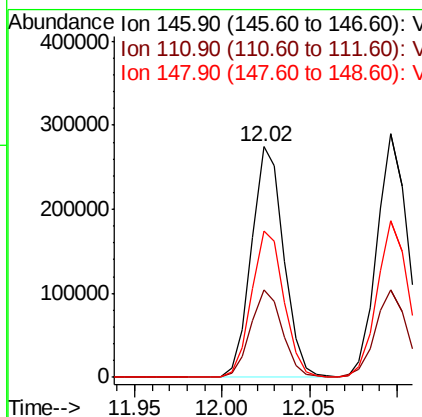
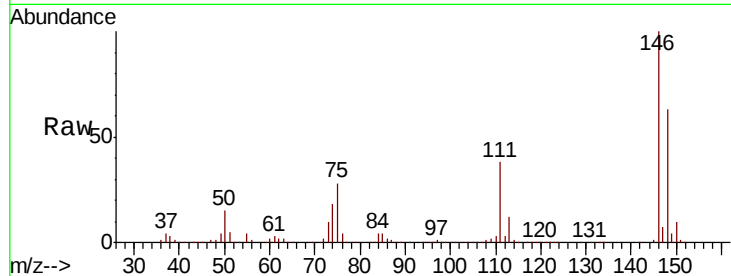
#87
 1,3-Dichlorobenzene
 Concen: 50.348 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	63.8	32.1	96.5

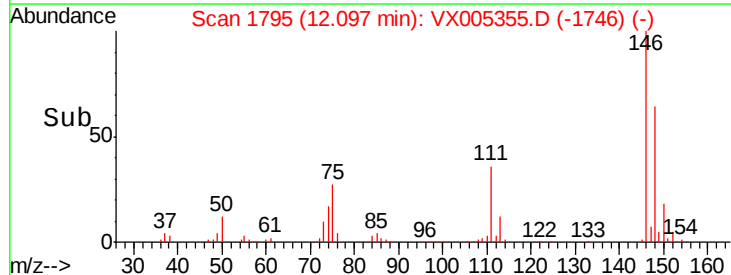
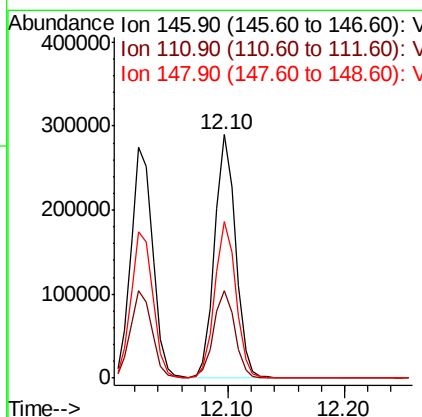
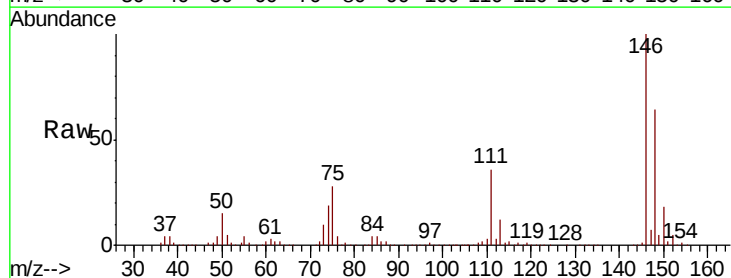
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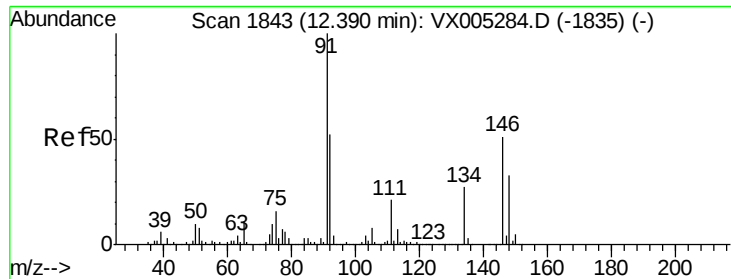
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#88
 1,4-Dichlorobenzene
 Concen: 49.922 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	64.9	32.0	96.0





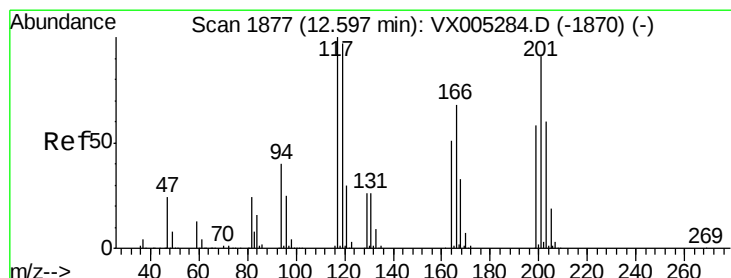
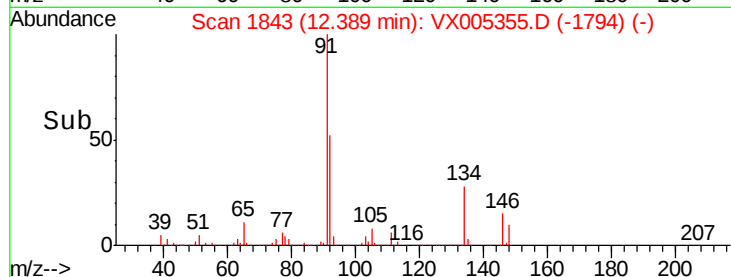
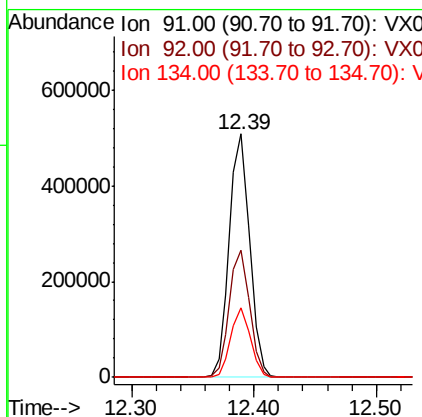
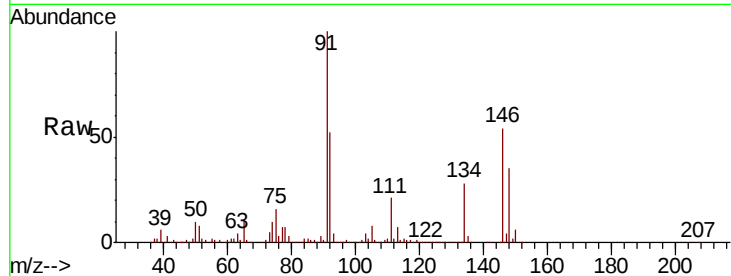
#89
n-Butylbenzene
Concen: 53.128 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.3	81.9
134	27.5	13.6	40.7

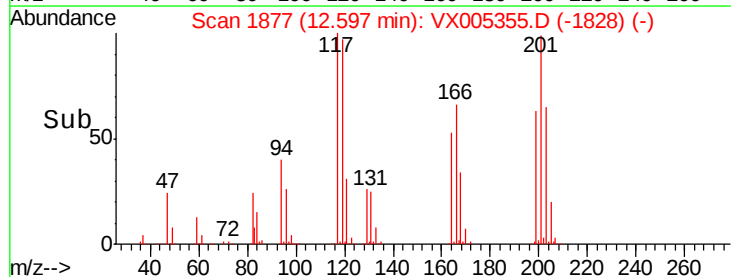
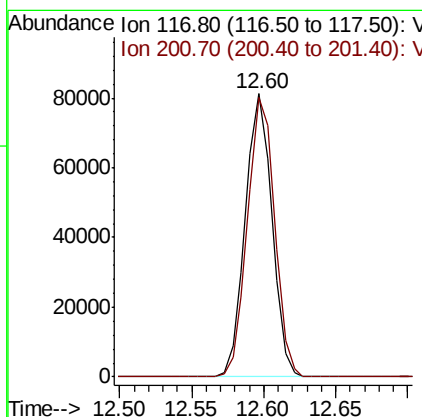
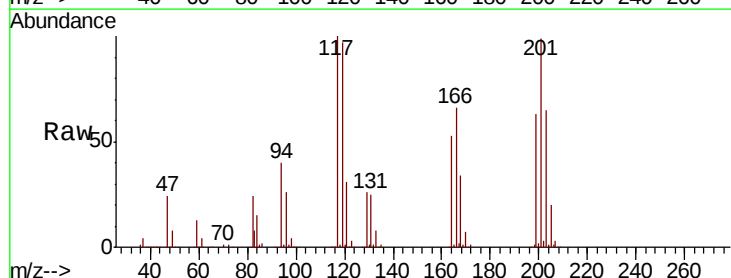
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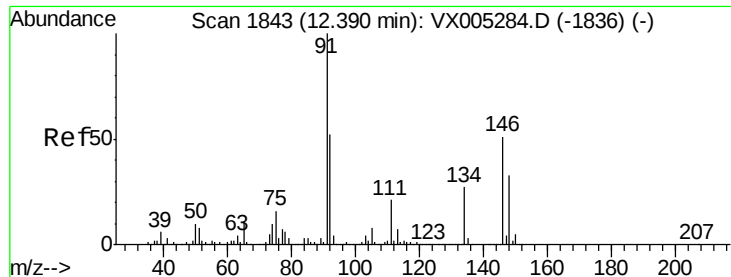
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#90
Hexachloroethane
Concen: 49.695 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.4	46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 49.235 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Instrument :

MSVOA_X

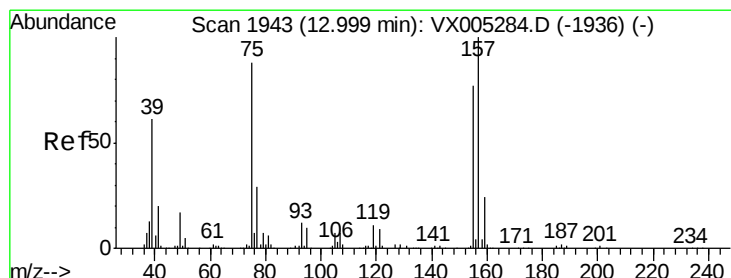
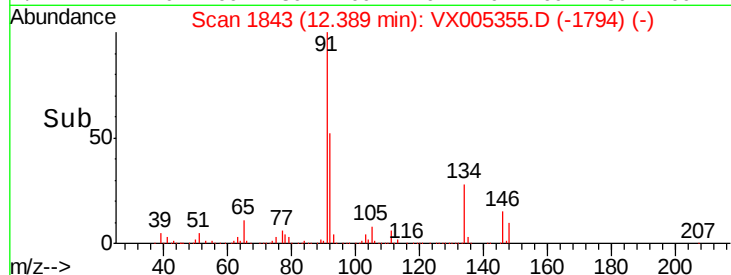
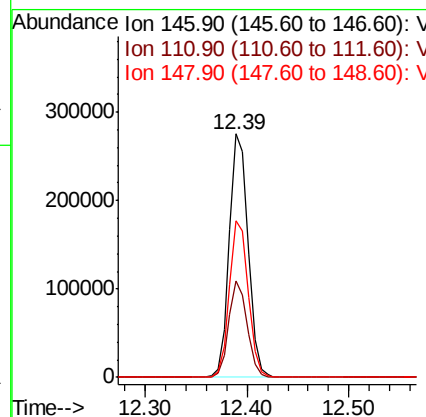
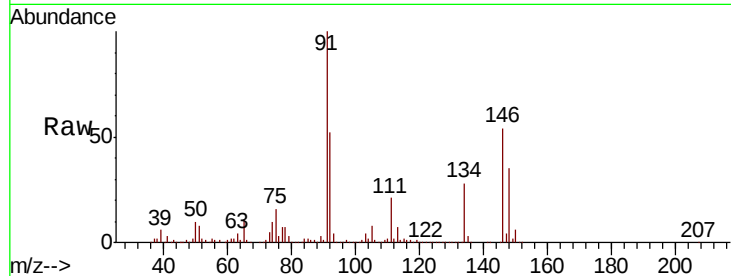
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	351510
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.4	58.1
148	64.3	32.8	98.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.821 ug/l

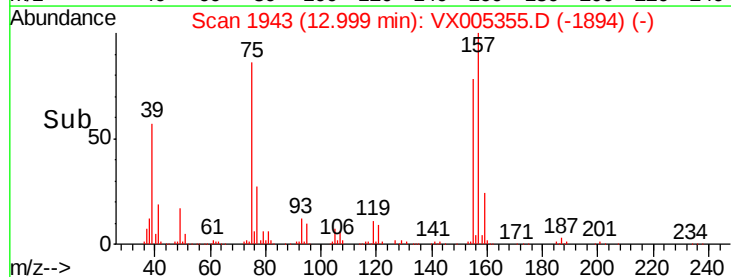
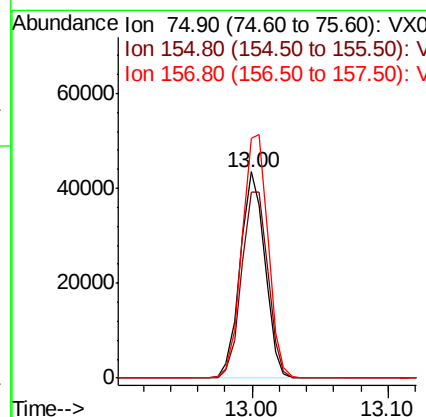
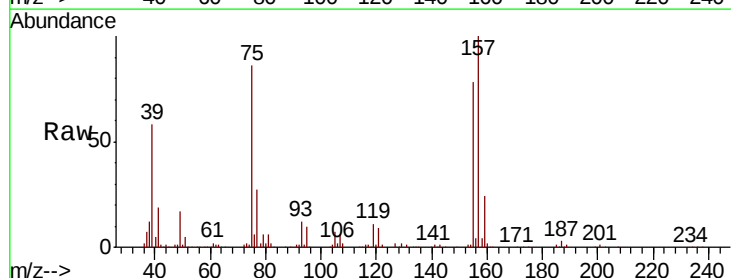
RT: 13.00 min Scan# 1943

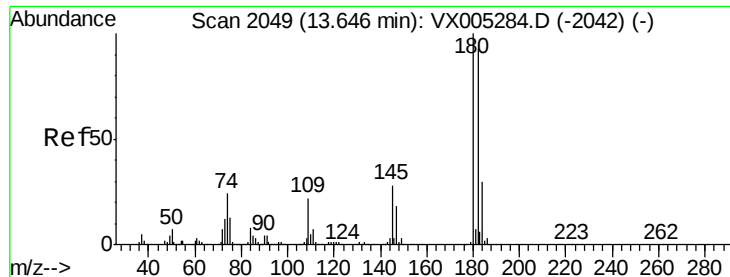
Delta R.T. -0.00 min

Lab File: VX005355.D

Acq: 16 Oct 2018 08:08

Tgt Ion:	75	Resp:	55209
Ion Ratio	Lower	Upper	
75	100		
155	95.9	48.0	144.2
157	123.6	61.4	184.1





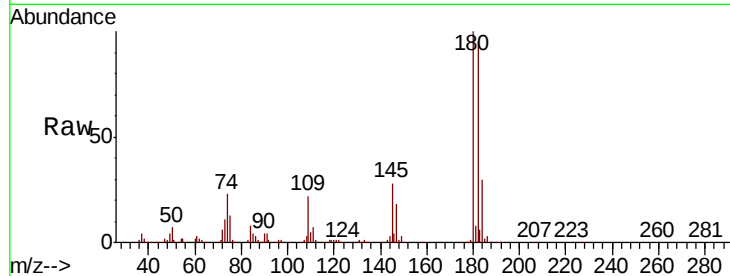
#93
 1,2,4-Trichlorobenzene
 Concen: 52.828 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	276709		
182	95.6	48.4	145.0	
145	27.7	14.3	42.9	

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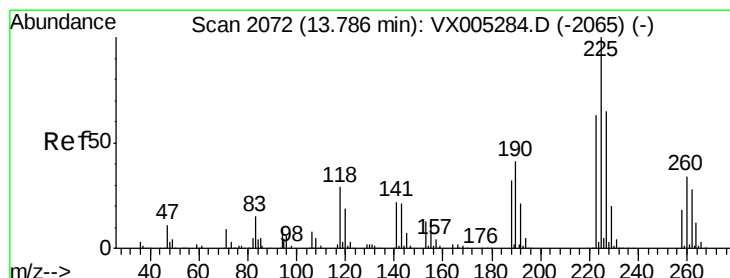
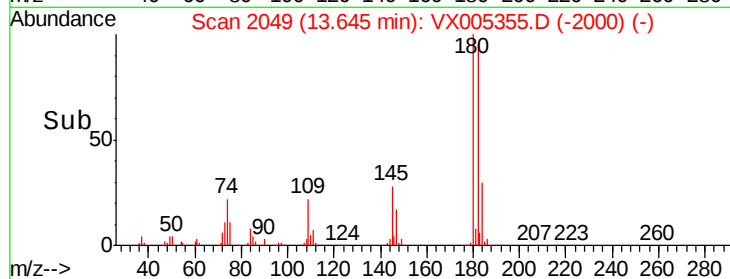
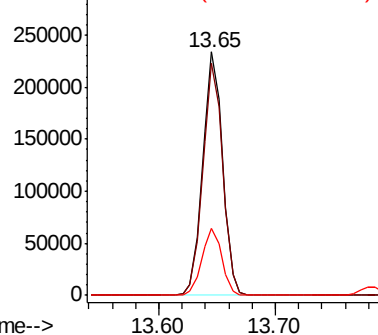


Abundance

Ion 179.80 (179.50 to 180.50): V

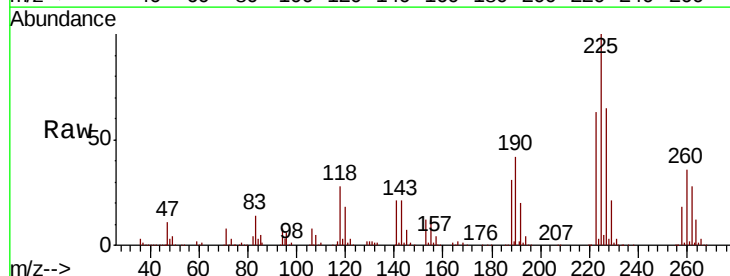
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.375 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005355.D
 Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144891		
223	63.1	30.1	90.5	
227	64.5	30.8	92.4	

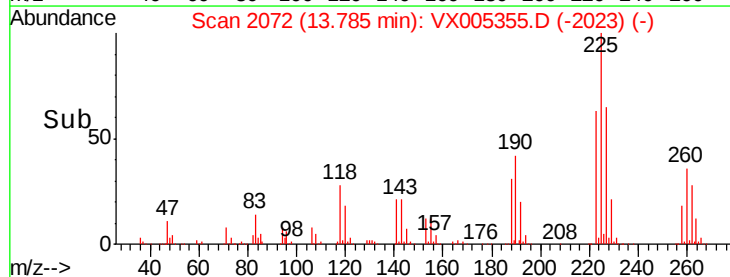
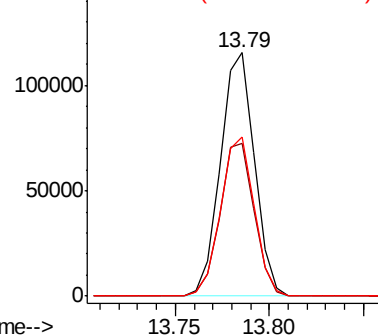


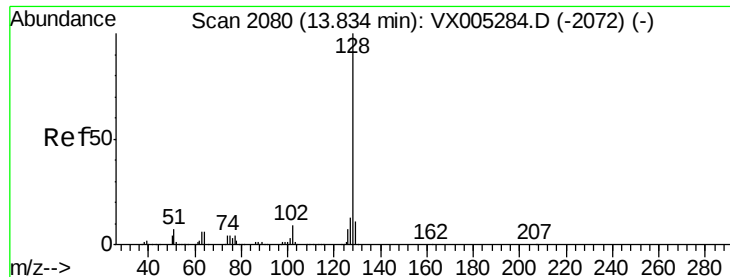
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





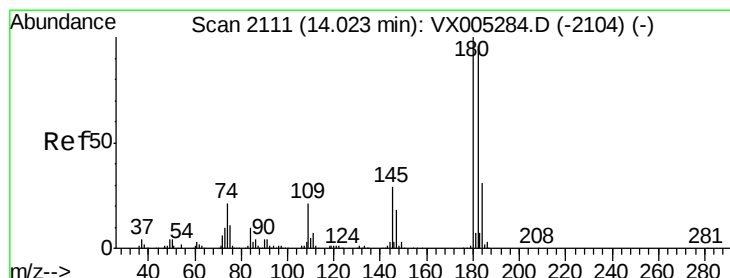
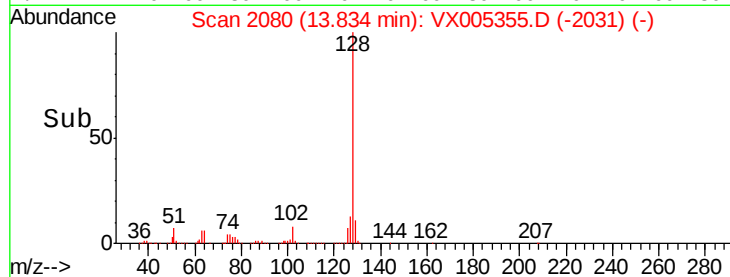
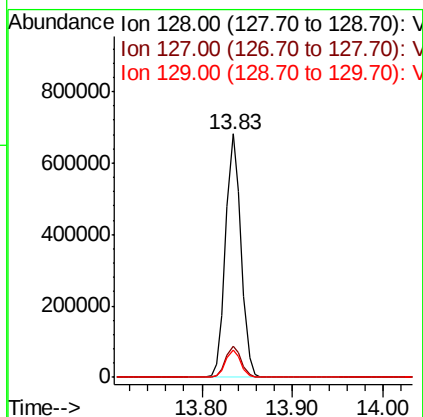
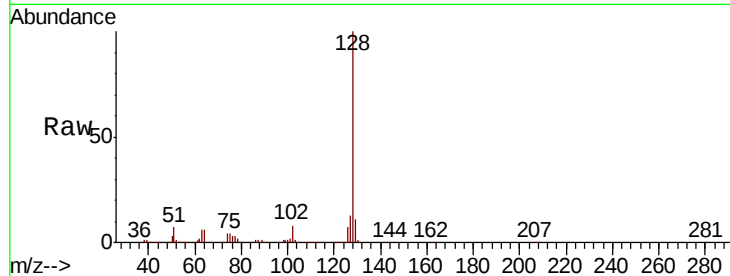
#95
Naphthalene
Concen: 52.928 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:34:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.325 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005355.D
Acq: 16 Oct 2018 08:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.5	145.6
145	29.8	14.9	44.9

