

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121118\
 Data File : VX006411.D
 Acq On : 11 Dec 2018 10:47
 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
 12/12/2018 10:39:48 AM

Quant Time: Dec 12 04:42:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	596854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	913860	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	848841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	453632	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	330863	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
35) Dibromofluoromethane	5.50	113	311064	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	8.71	98	1138741	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	11.13	95	450160	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	317958	54.407	ug/l	99
3) Chloromethane	1.33	50	296069	49.300	ug/l	99
4) Vinyl Chloride	1.41	62	321079	49.676	ug/l	100
5) Bromomethane	1.64	94	283249	63.233	ug/l	97
6) Chloroethane	1.71	64	195067	49.222	ug/l	99
7) Trichlorofluoromethane	1.92	101	509714	51.374	ug/l	96
8) Diethyl Ether	2.19	74	188850	50.293	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	308645	54.709	ug/l	99
10) Methyl Iodide	2.51	142	449429	52.861	ug/l	98
11) Tert butyl alcohol	3.07	59	369528	221.769	ug/l	99
12) 1,1-Dichloroethene	2.37	96	277152	51.318	ug/l	90
13) Acrolein	2.29	56	245498	269.563	ug/l	99
14) Allyl chloride	2.73	41	478274	44.830	ug/l	97
15) Acrylonitrile	3.15	53	844317	242.821	ug/l	99
16) Acetone	2.45	43	885343	309.629	ug/l	96
17) Carbon Disulfide	2.57	76	697524	41.914	ug/l	99
18) Methyl Acetate	2.78	43	472204	49.382	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	966585	50.169	ug/l	99
20) Methylene Chloride	2.85	84	307955	50.605	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	292309	50.789	ug/l	91
22) Diisopropyl ether	3.87	45	874739	52.493	ug/l	96
23) Vinyl Acetate	3.82	43	3754500	264.163	ug/l	98
24) 1,1-Dichloroethane	3.70	63	527575	55.391	ug/l	99
25) 2-Butanone	4.70	43	1149687	281.792	ug/l	98
26) 2,2-Dichloropropane	4.59	77	462806	52.651	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	349022	54.367	ug/l	98
28) Bromochloromethane	5.02	49	222076	53.380	ug/l	99
29) Tetrahydrofuran	5.15	42	695470	245.270	ug/l	97
30) Chloroform	5.21	83	545955	54.545	ug/l	95
31) Cyclohexane	5.57	56	448207	50.920	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	499130	52.411	ug/l	100
36) 1,1-Dichloropropene	5.79	75	393677	51.156	ug/l	99
37) Ethyl Acetate	4.85	43	407676	47.305	ug/l	99
38) Carbon Tetrachloride	5.78	117	445425	49.200	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	529126	52.970	ug/l	98
40) Benzene	6.14	78	1207108	52.371	ug/l	99
41) Methacrylonitrile	5.06	41	230465	48.599	ug/l	99
42) 1,2-Dichloroethane	6.20	62	408110	54.101	ug/l	100
43) Isopropyl Acetate	6.46	43	679189	47.268	ug/l	99
44) Trichloroethene	7.21	130	360288	51.598	ug/l	96
45) 1,2-Dichloropropane	7.51	63	300315	51.266	ug/l	99
46) Dibromomethane	7.66	93	218019	51.532	ug/l	95
47) Bromodichloromethane	7.90	83	411886	50.273	ug/l	99
48) Methyl methacrylate	7.77	41	339095	48.509	ug/l	97
49) 1,4-Dioxane	7.75	88	168871	980.178	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2062967	246.626	ug/l	98
52) Toluene	8.78	92	805720	53.134	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	465415	48.573	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	502641	50.519	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	340873	55.332	ug/l	99
56) Ethyl methacrylate	9.18	69	501364	52.059	ug/l	96
57) 1,3-Dichloropropane	9.37	76	526629	54.060	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1313083	268.681	ug/l	99
59) 2-Hexanone	9.49	43	1656943	259.274	ug/l	98
60) Dibromochloromethane	9.59	129	373776	49.204	ug/l	99
61) 1,2-Dibromoethane	9.67	107	359848	52.240	ug/l	99
64) Tetrachloroethene	9.34	164	318907	49.887	ug/l	98
65) Chlorobenzene	10.13	112	960490	53.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	351372	50.189	ug/l	99
67) Ethyl Benzene	10.25	91	1568990	52.353	ug/l	99
68) m/p-Xylenes	10.36	106	1268445	105.661	ug/l	100
69) o-Xylene	10.70	106	625609	52.759	ug/l	100
70) Styrene	10.71	104	1013326	52.837	ug/l	99
71) Bromoform	10.86	173	290933	44.022	ug/l #	100
73) Isopropylbenzene	11.02	105	1674096	53.439	ug/l	100
74) N-amyl acetate	10.90	43	616441	45.696	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	501210	50.010	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	468320m	53.487	ug/l	
77) Bromobenzene	11.26	156	445366	51.228	ug/l	98
78) n-propylbenzene	11.36	91	1882708	54.065	ug/l	100
79) 2-Chlorotoluene	11.42	91	1091676	52.744	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1383792	53.090	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	160276	42.957	ug/l	92
82) 4-Chlorotoluene	11.51	91	1264238	52.536	ug/l	99
83) tert-Butylbenzene	11.77	119	1466320	52.725	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1430789	53.160	ug/l	99
85) sec-Butylbenzene	11.94	105	1729039	54.650	ug/l	100
86) p-Isopropyltoluene	12.06	119	1551793	54.469	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	820622	53.048	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	812173	51.727	ug/l	99
89) n-Butylbenzene	12.39	91	1335598	54.944	ug/l	99
90) Hexachloroethane	12.60	117	270665	46.615	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	795826	51.835	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	114905	44.725	ug/l	92

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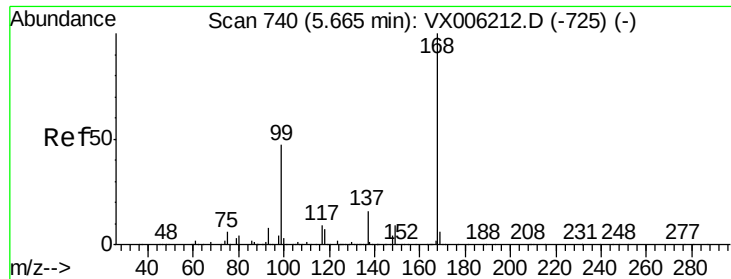
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QLast Update : Fri Nov 30 03:55:33 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	592193	52.870	ug/l	100
94) Hexachlorobutadiene	13.78	225	268657	54.236	ug/l	99
95) Naphthalene	13.83	128	1793321	51.470	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	583754	52.618	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: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 596854

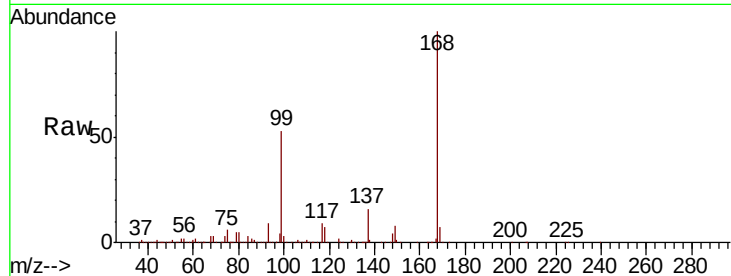
Ion Ratio Lower Upper

168 100

99 53.0 37.8 56.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

150000

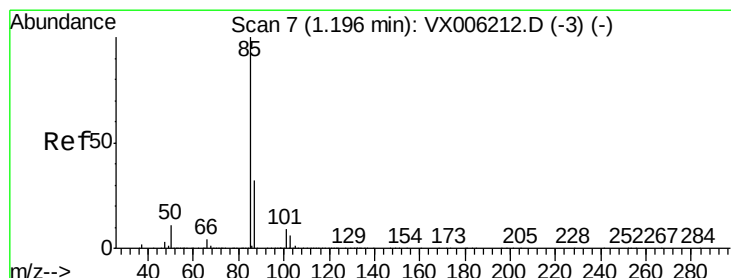
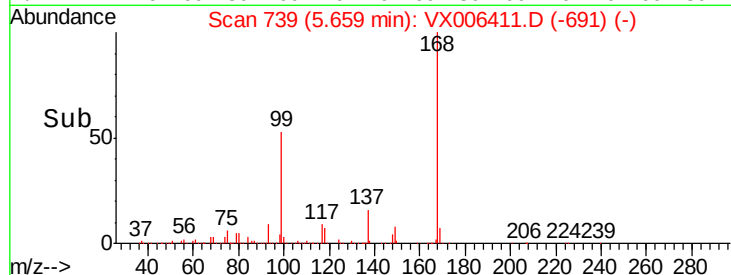
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50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 54.407 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006411.D

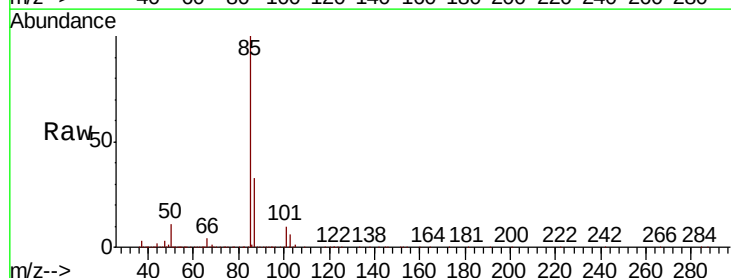
Acq: 11 Dec 2018 10:47

Tgt Ion: 85 Resp: 317958

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300000

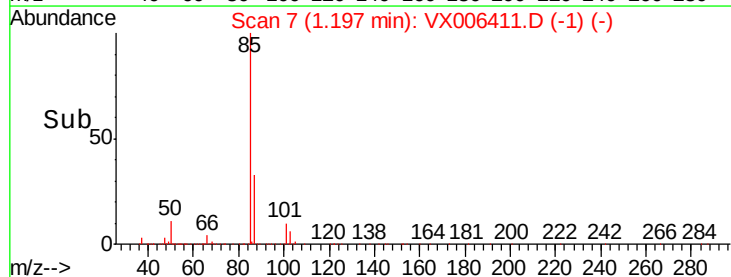
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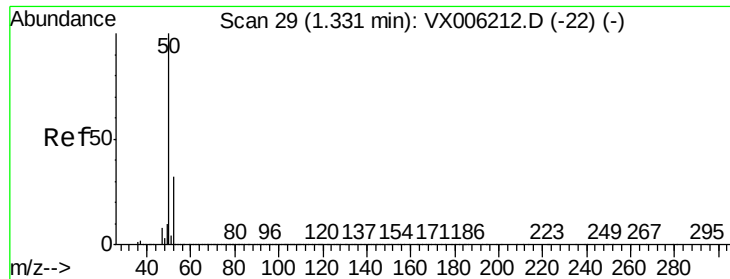
100000

0

Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 49.300 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 296069

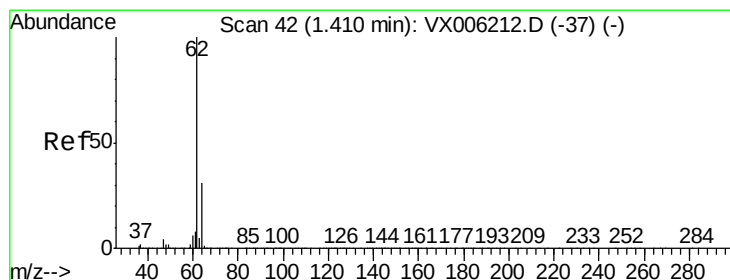
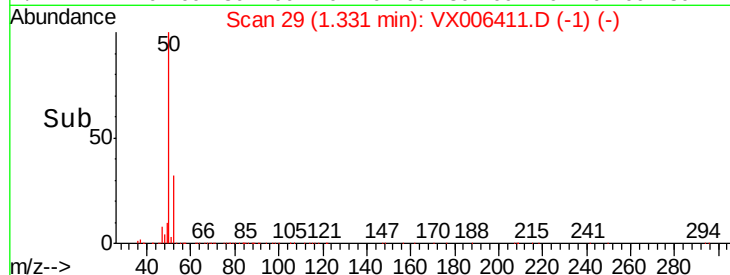
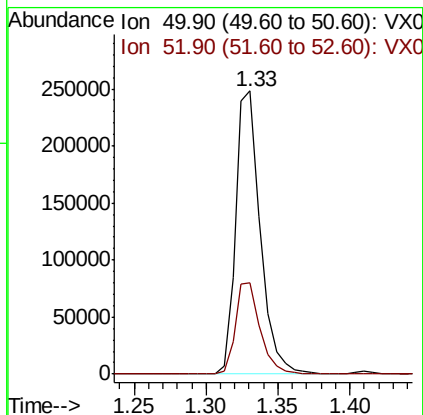
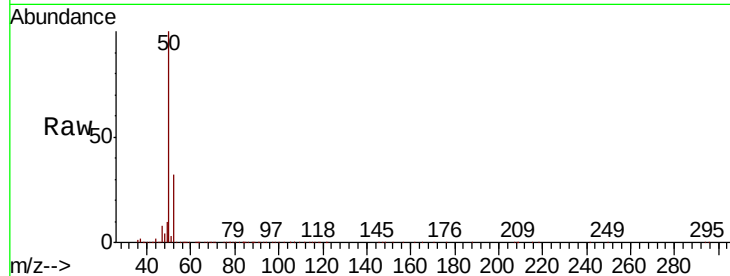
Ion Ratio Lower Upper

50 100

52 32.2 25.2 37.8

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#4

Vinyl Chloride

Concen: 49.676 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006411.D

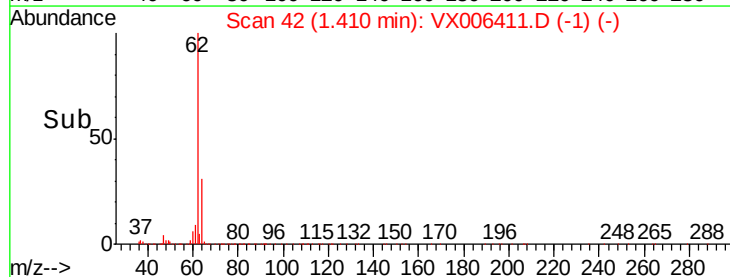
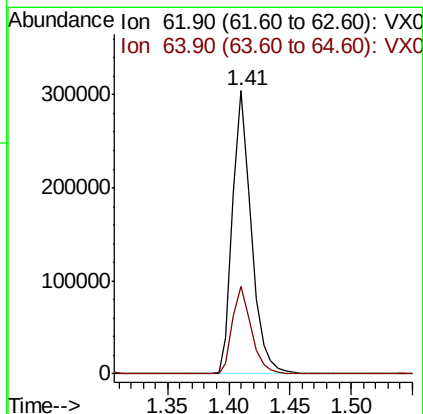
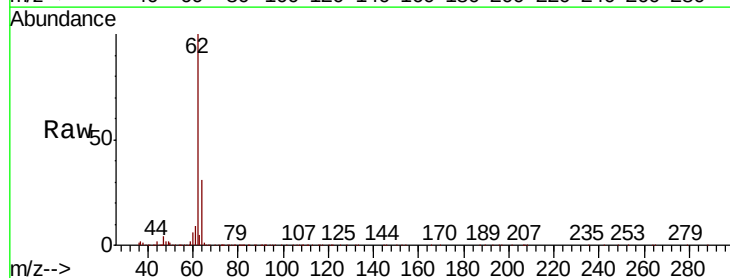
Acq: 11 Dec 2018 10:47

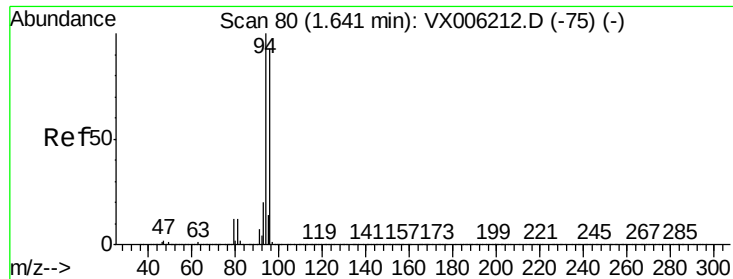
Tgt Ion: 62 Resp: 321079

Ion Ratio Lower Upper

62 100

64 31.1 24.9 37.3





#5

Bromomethane

Concen: 63.233 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 283249

Ion Ratio Lower Upper

94 100

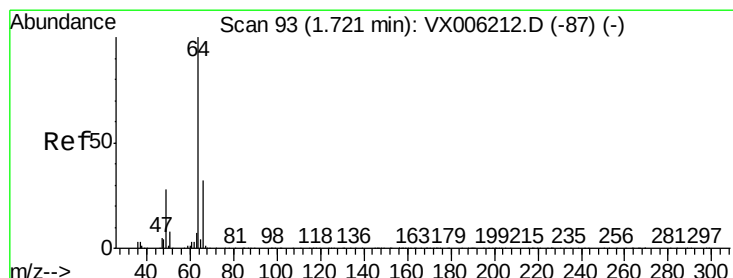
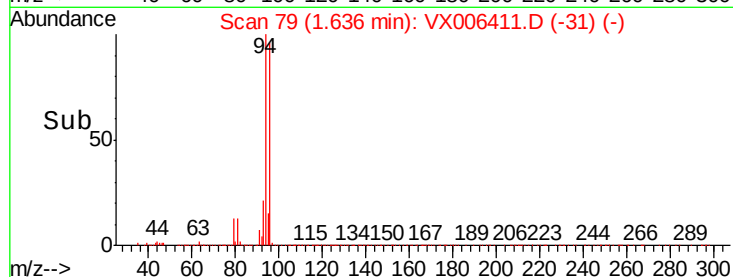
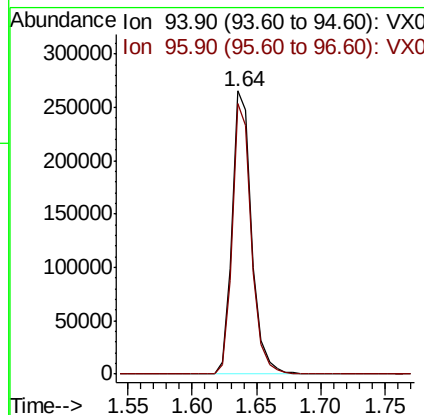
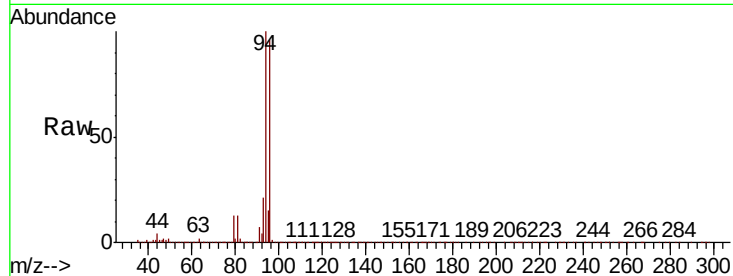
96 95.6 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 49.222 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006411.D

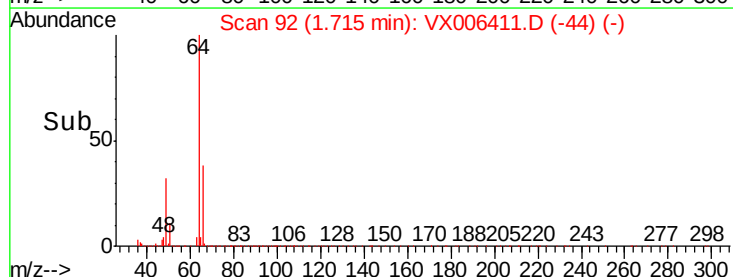
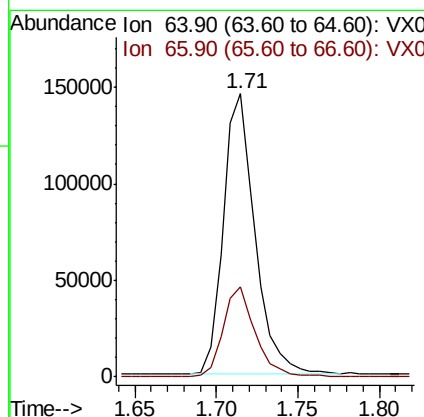
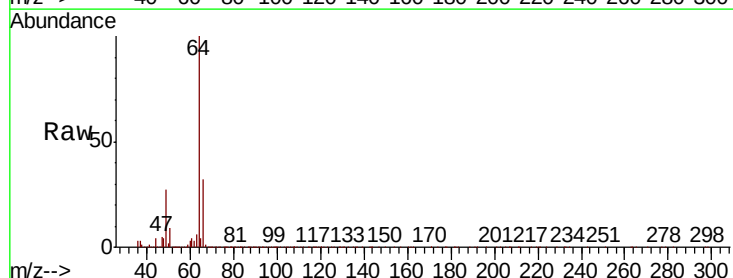
Acq: 11 Dec 2018 10:47

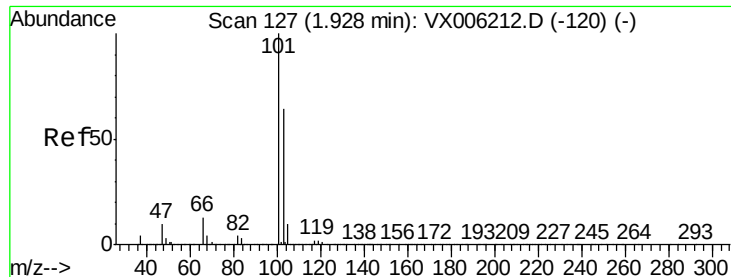
Tgt Ion: 64 Resp: 195067

Ion Ratio Lower Upper

64 100

66 31.8 25.9 38.9





#7

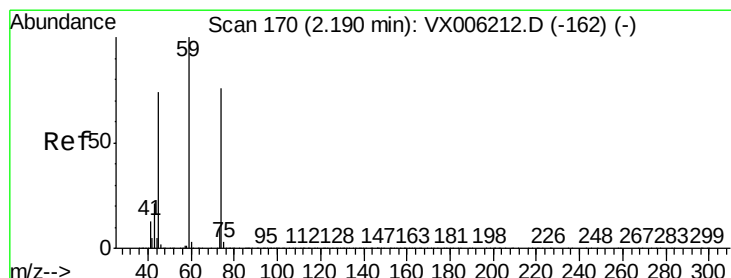
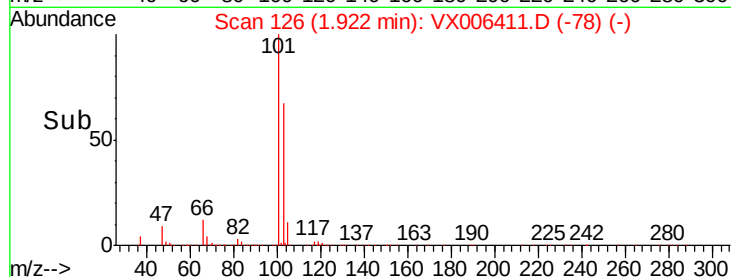
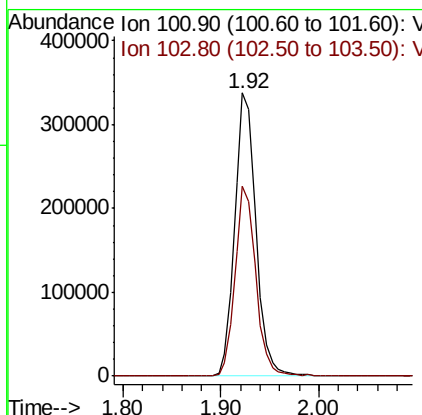
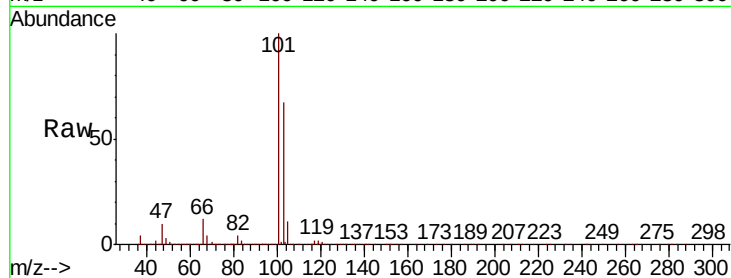
Trichlorofluoromethane
Concen: 51.374 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.0	76.4

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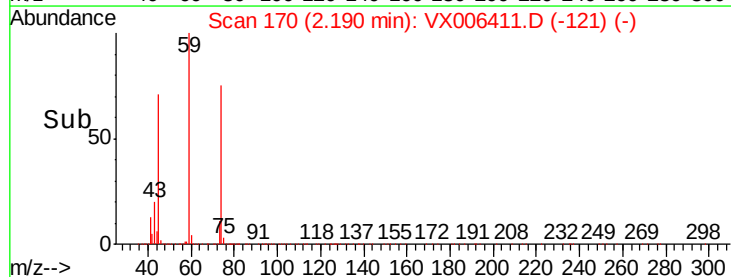
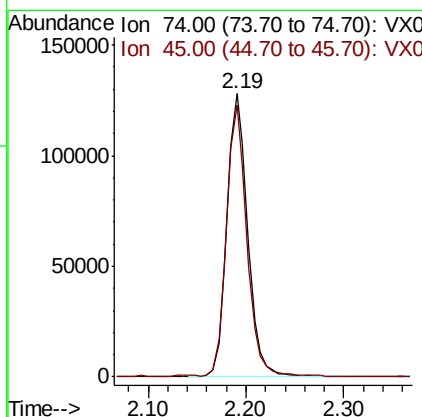
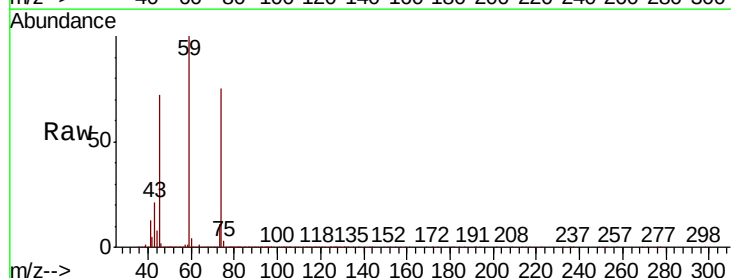
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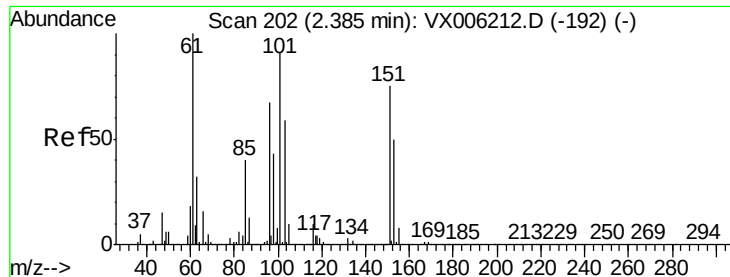


#8

Diethyl Ether
Concen: 50.293 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.709 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

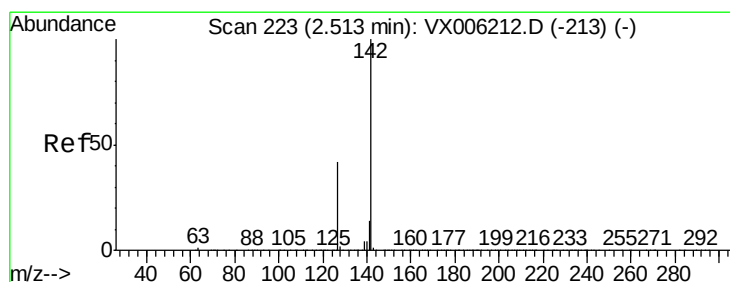
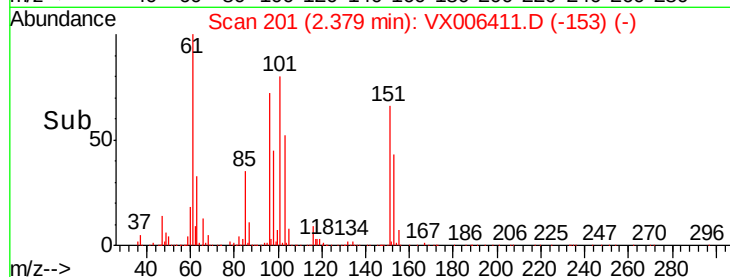
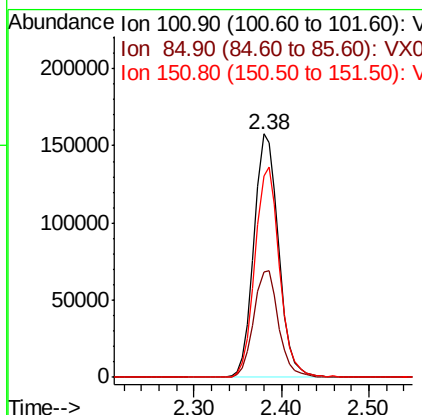
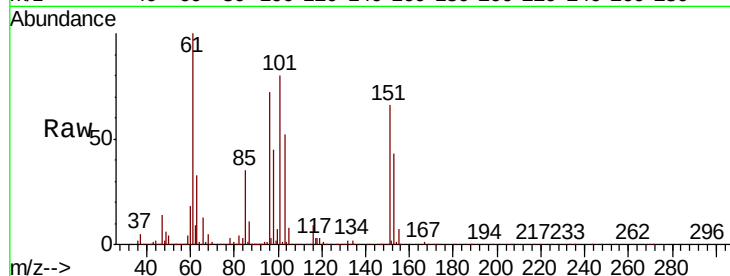
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	308645
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.5	53.3
151	86.5	68.6	103.0

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#10

Methyl Iodide

Concen: 52.861 ug/l

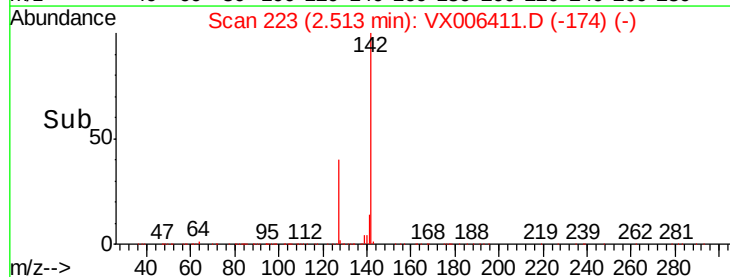
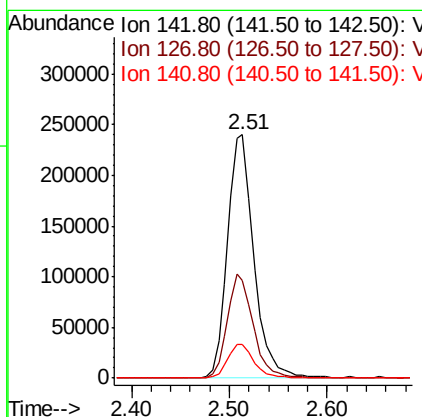
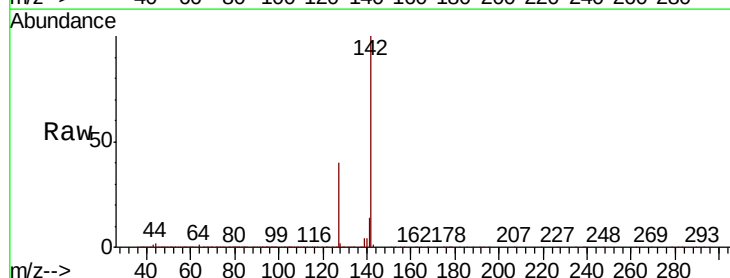
RT: 2.51 min Scan# 223

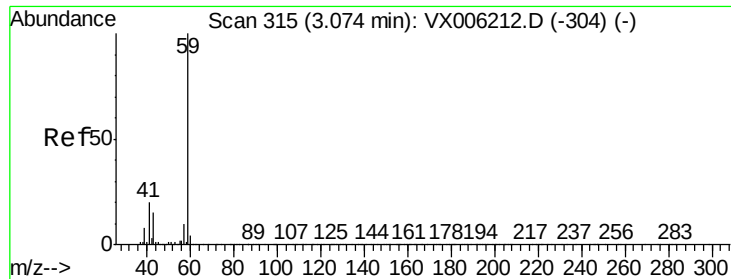
Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Tgt Ion:	142	Resp:	449429
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.8	52.2
141	14.0	11.4	17.2





#11

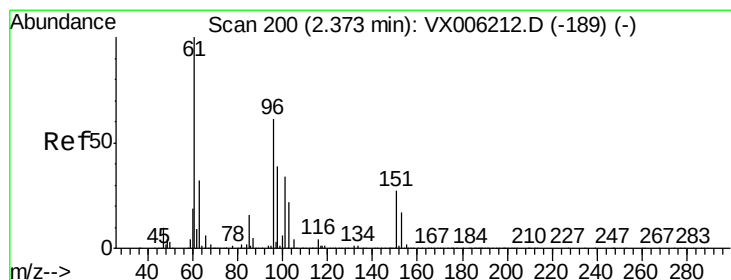
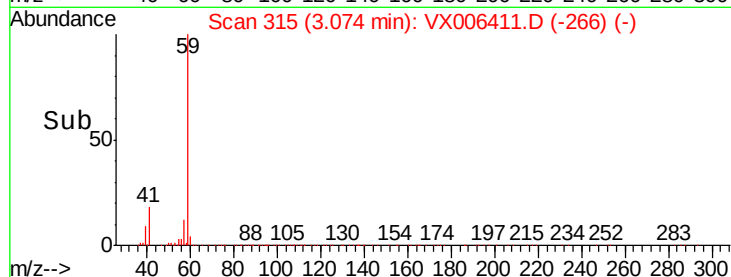
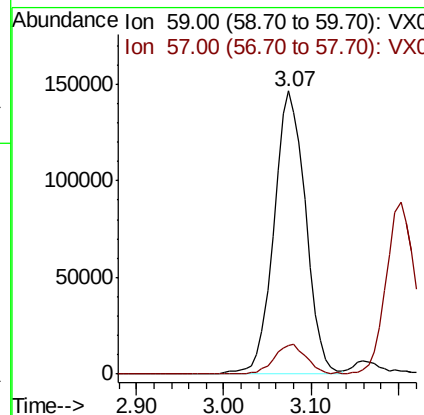
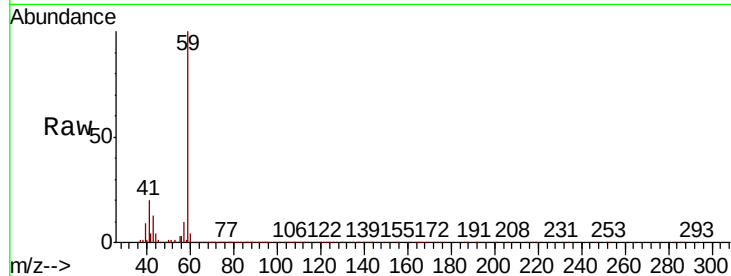
Tert butyl alcohol
Concen: 221.769 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

Manual Integrations
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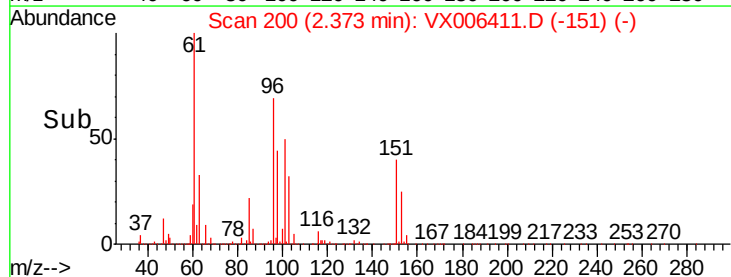
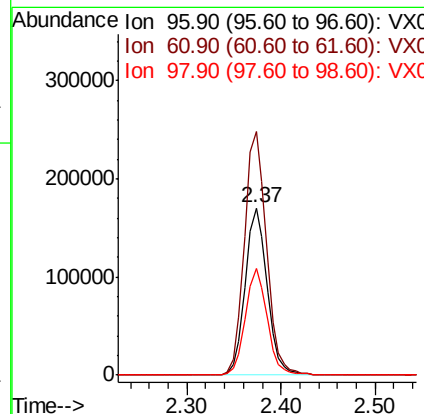
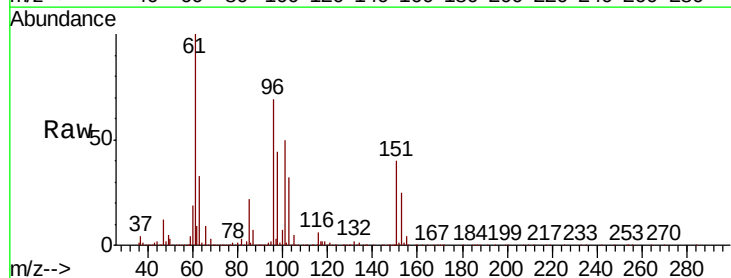
MMDadoda
12/12/2018 10:39:48 AM

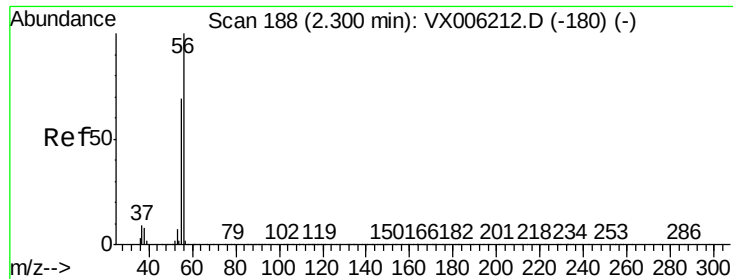


#12

1,1-Dichloroethene
Concen: 51.318 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.4	131.7	197.5
98	64.1	51.8	77.6





#13

Acrolein

Concen: 269.563 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 245498

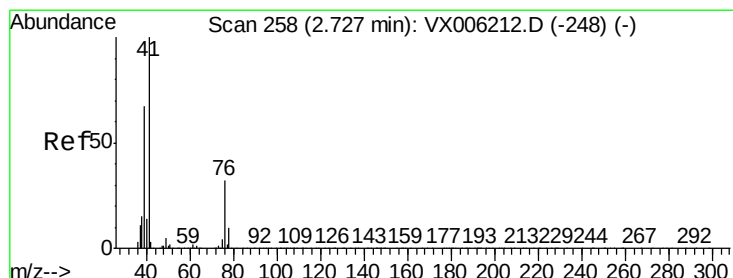
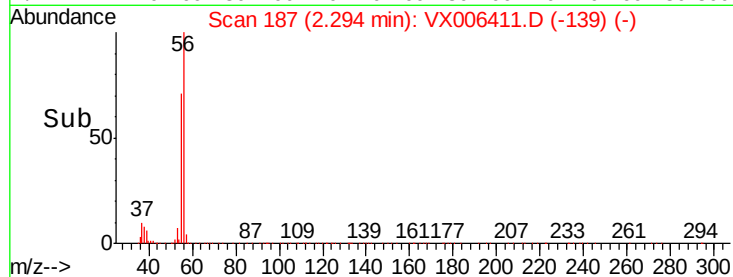
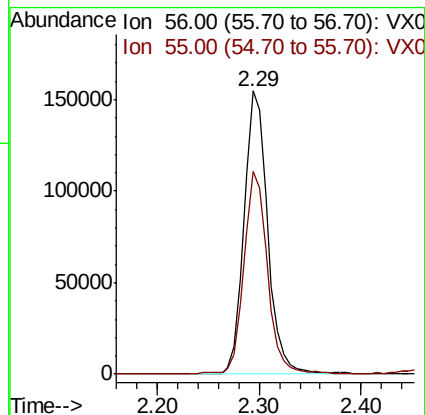
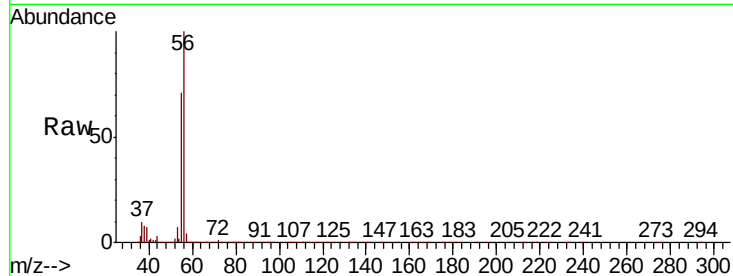
Ion Ratio Lower Upper

56 100

55 71.0 57.8 86.6

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#14

Allyl chloride

Concen: 44.830 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

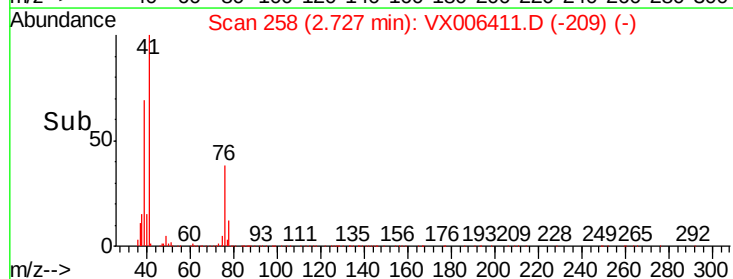
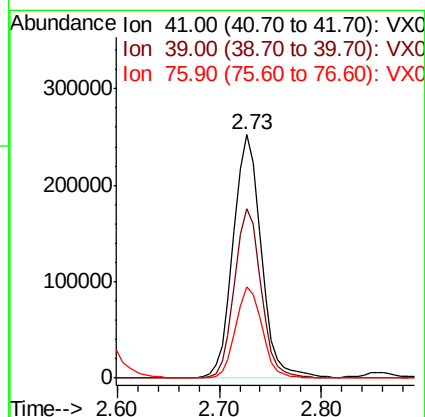
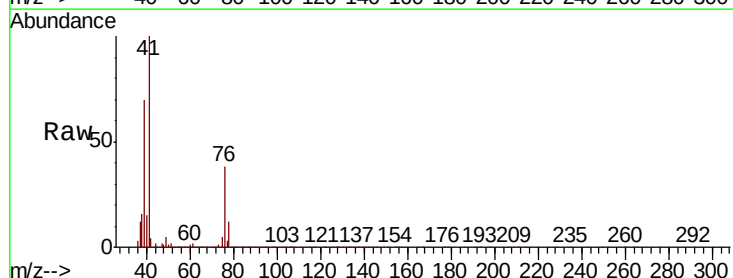
Tgt Ion: 41 Resp: 478274

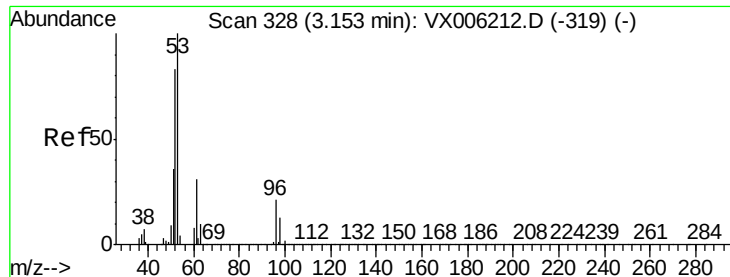
Ion Ratio Lower Upper

41 100

39 66.2 52.4 78.6

76 35.3 25.4 38.0





#15

Acrylonitrile

Concen: 242.821 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

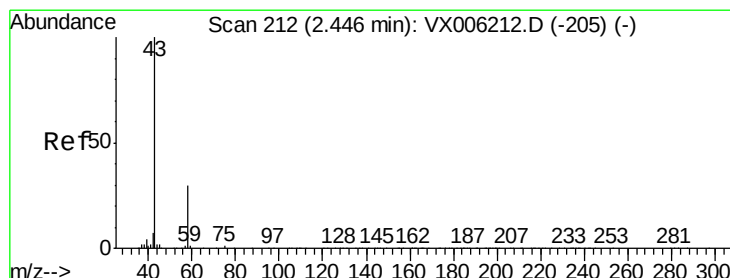
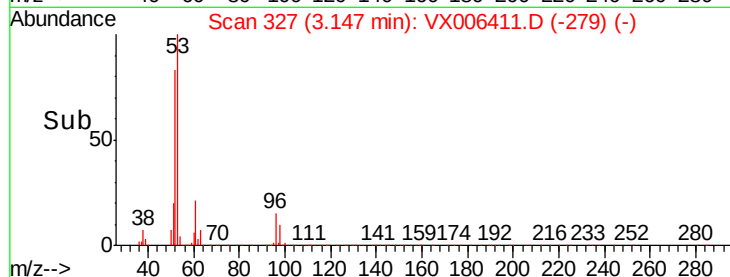
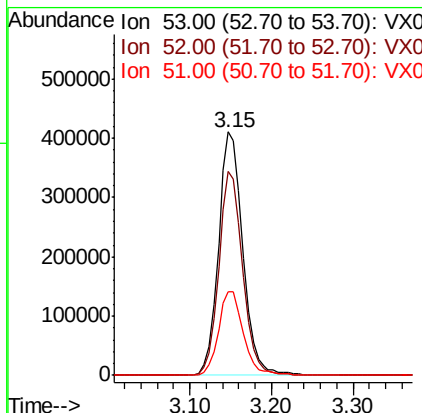
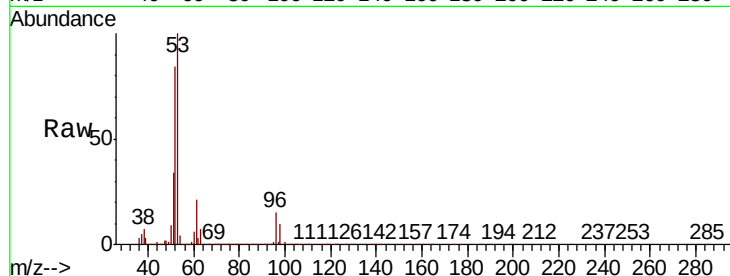
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	844317
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.2	99.4
51	35.1	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 309.629 ug/l

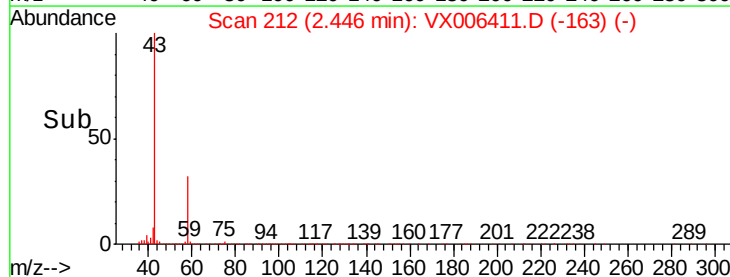
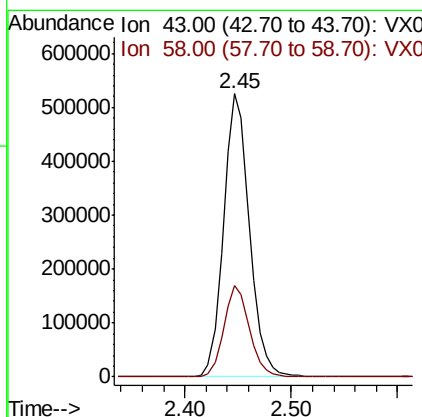
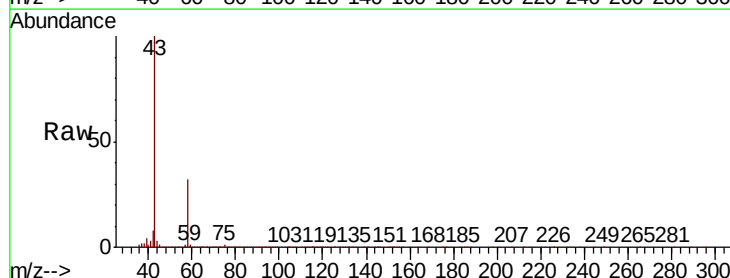
RT: 2.45 min Scan# 212

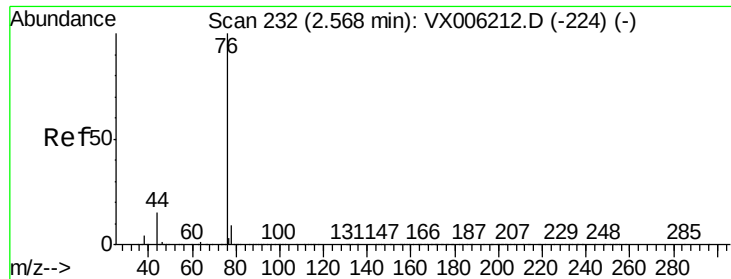
Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Tgt Ion:	43	Resp:	885343
Ion Ratio		Lower	Upper
43	100		
58	32.1	24.0	36.0





#17

Carbon Disulfide

Concen: 41.914 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 697524

Ion Ratio Lower Upper

76 100

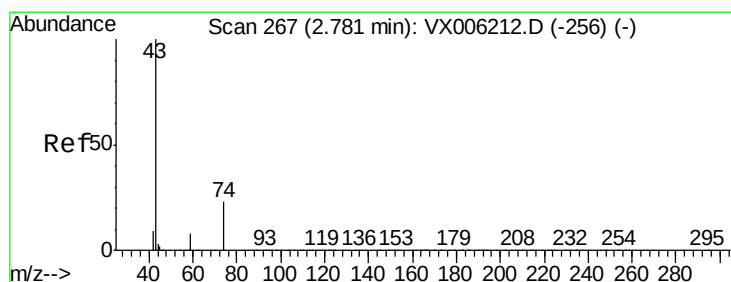
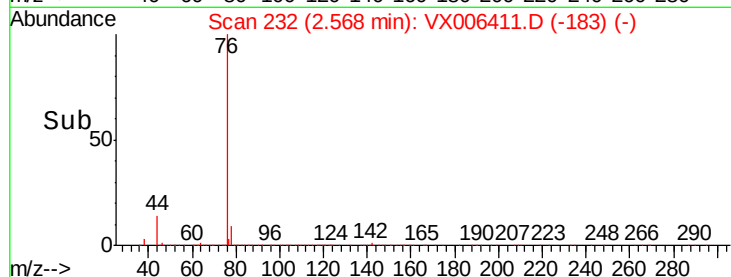
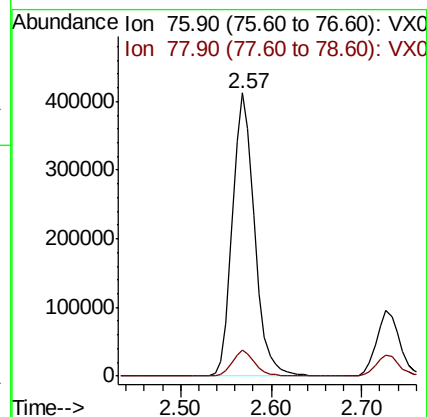
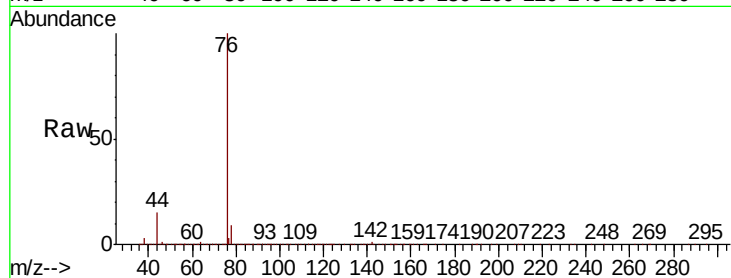
78 9.3 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 49.382 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006411.D

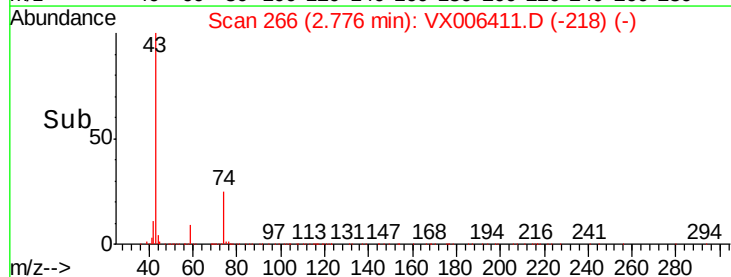
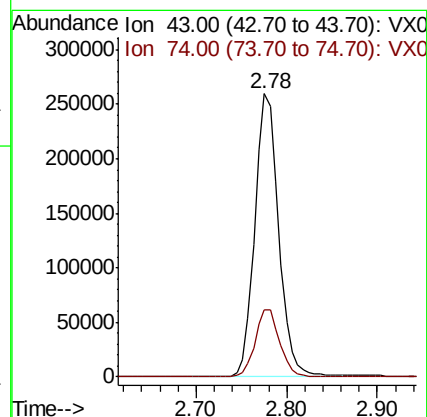
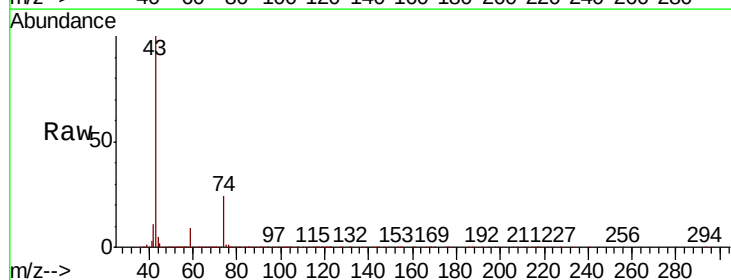
Acq: 11 Dec 2018 10:47

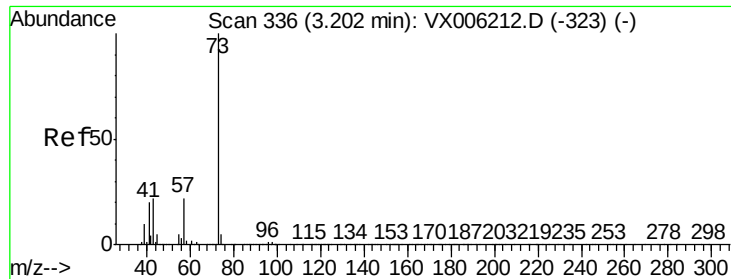
Tgt Ion: 43 Resp: 472204

Ion Ratio Lower Upper

43 100

74 24.6 17.9 26.9





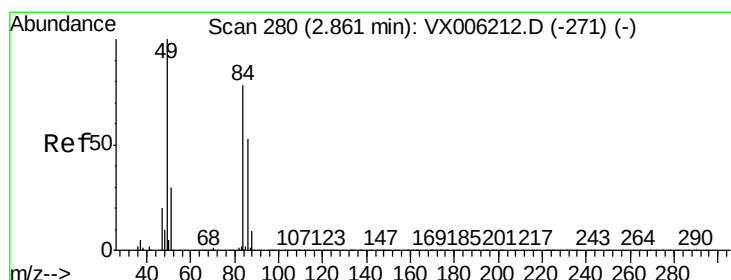
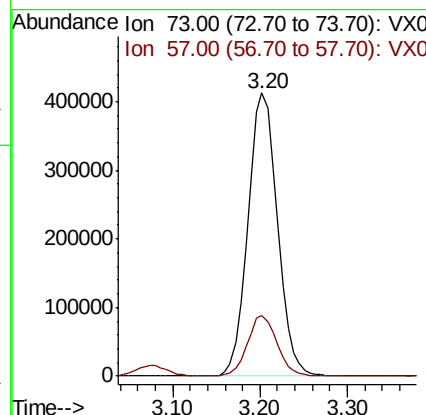
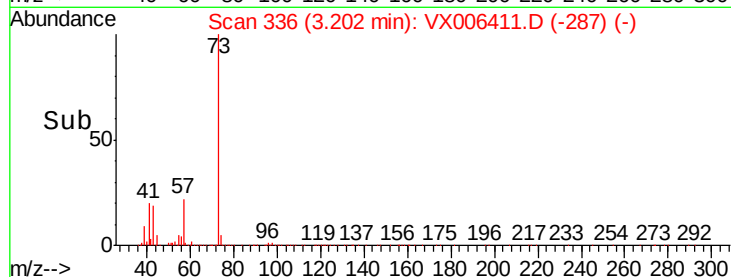
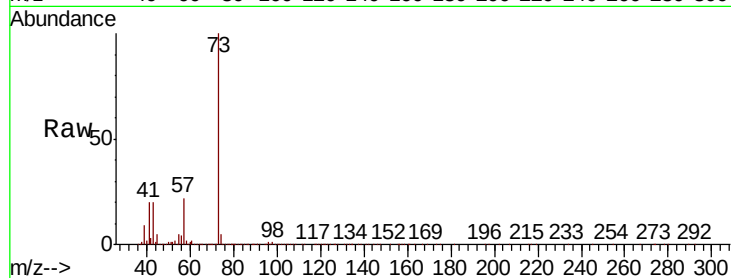
#19
Methyl tert-butyl Ether
Concen: 50.169 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.5	26.3

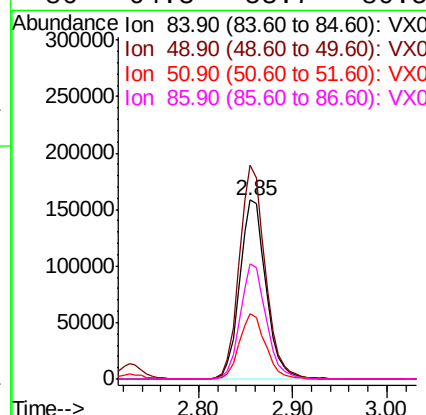
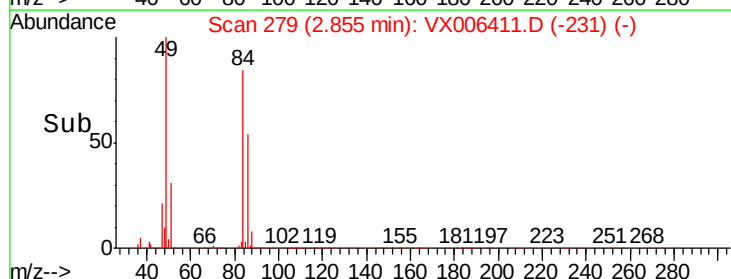
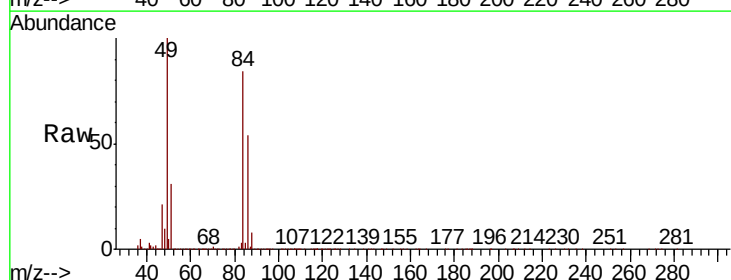
Manual Integrations
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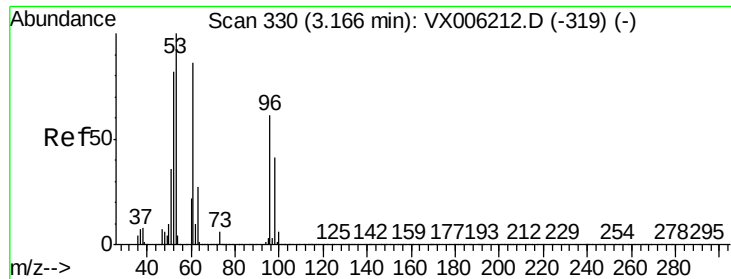
MMDadoda
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#20
Methylene Chloride
Concen: 50.605 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.5	102.2	153.4
51	36.6	31.1	46.7
86	64.3	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 50.789 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

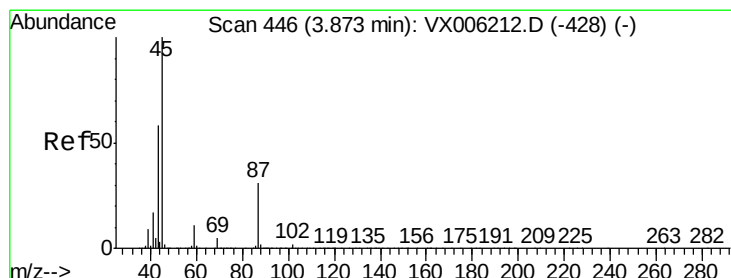
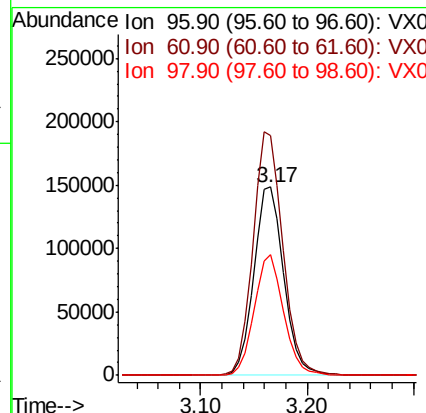
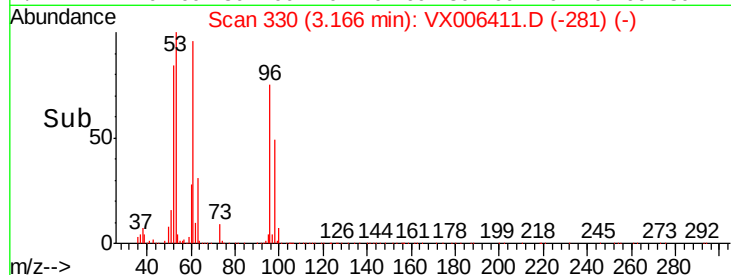
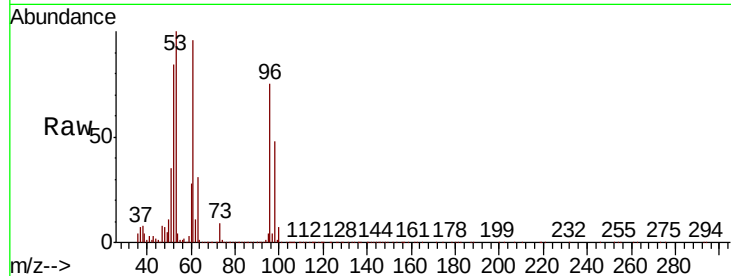
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	292309
Ion Ratio	Lower	Upper	
96	100		
61	127.2	113.3	169.9
98	64.3	53.2	79.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.493 ug/l

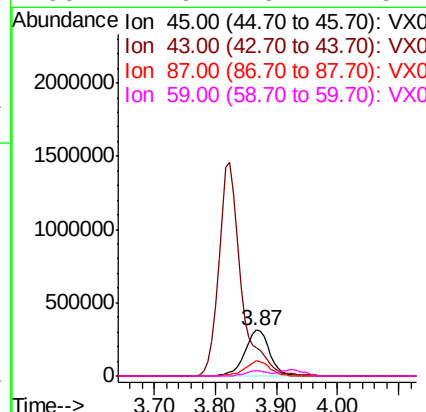
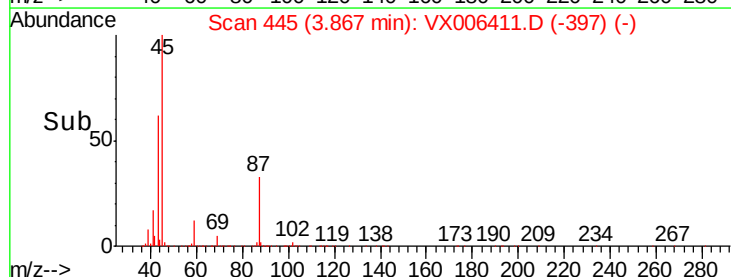
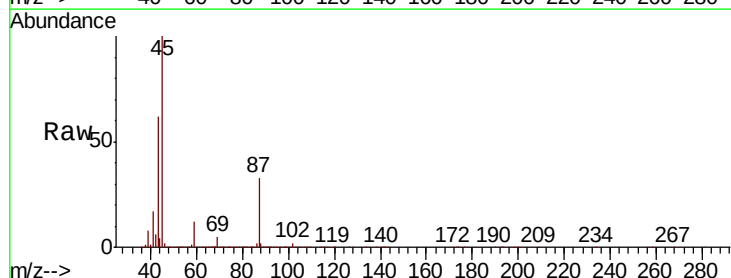
RT: 3.87 min Scan# 445

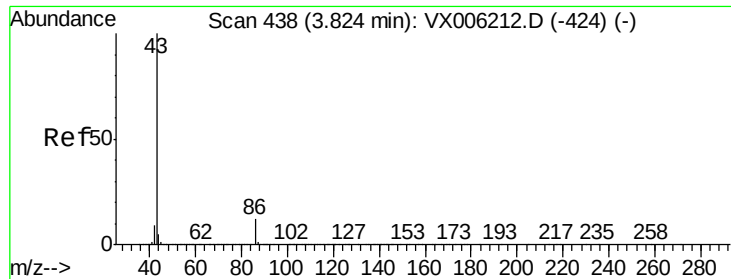
Delta R.T. -0.01 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Tgt Ion:	45	Resp:	874739
Ion Ratio	Lower	Upper	
45	100		
43	62.1	46.2	69.2
87	32.5	24.9	37.3
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 264.163 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Tot Ion: 43 Resp: 3754500

Ion Ratio Lower Upper

43 100

86 11.1 9.4 14.0

Instrument :

MSVOA_X

ClientSampleId :

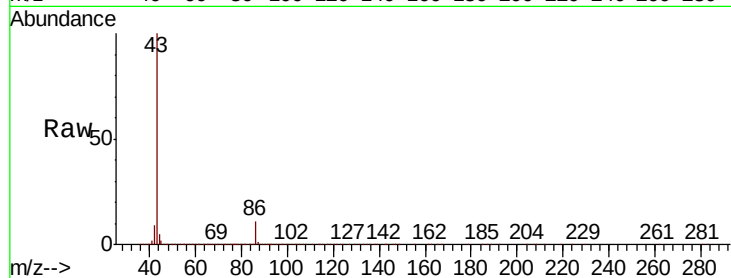
VSTDCCC050

Manual Integrations

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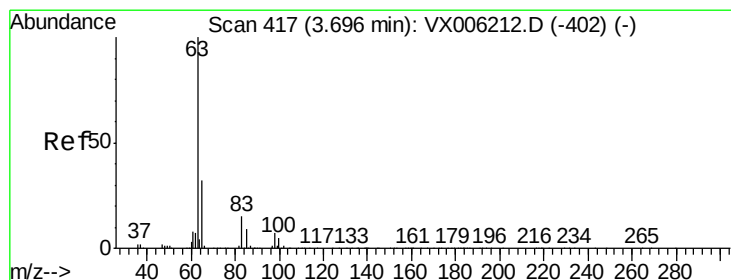
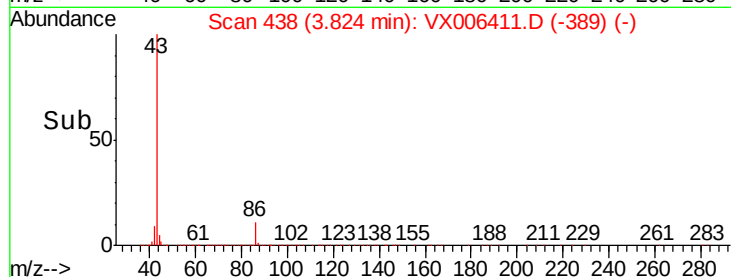
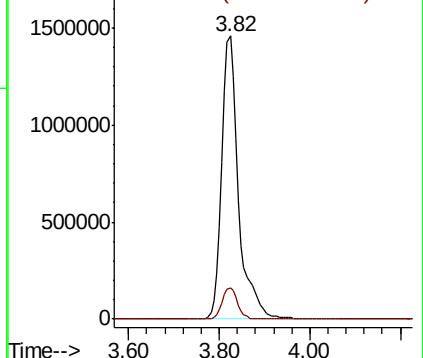
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 55.391 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

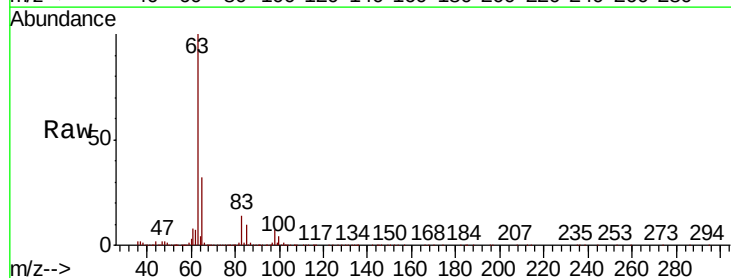
Tgt Ion: 63 Resp: 527575

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

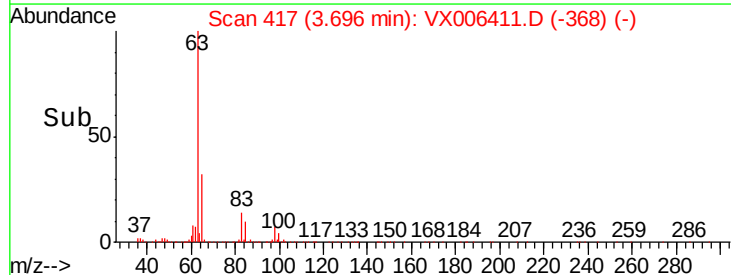
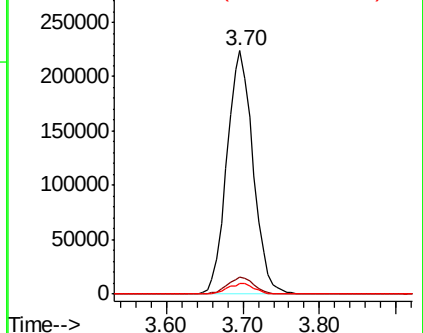
100 4.5 2.5 7.4

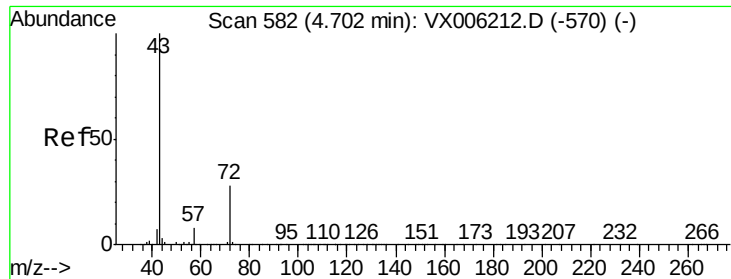


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 281.792 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1149687

Ion Ratio Lower Upper

43 100

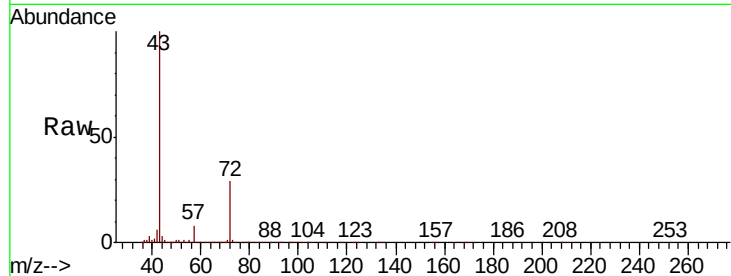
72 29.0 22.6 33.8

Manual Integrations

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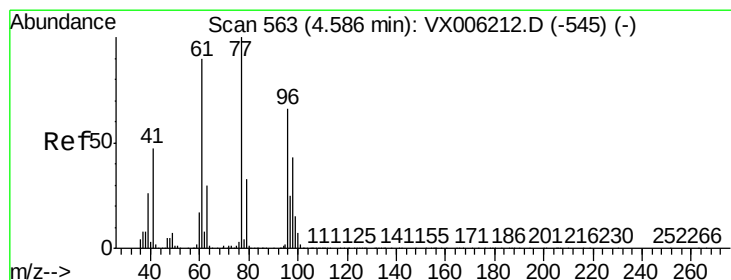
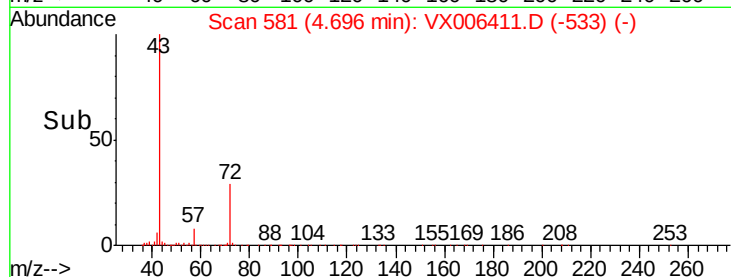
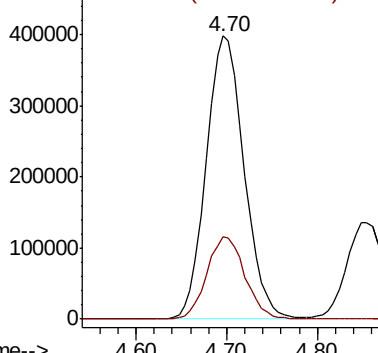
MMDadoda

12/12/2018 10:39:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 52.651 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006411.D

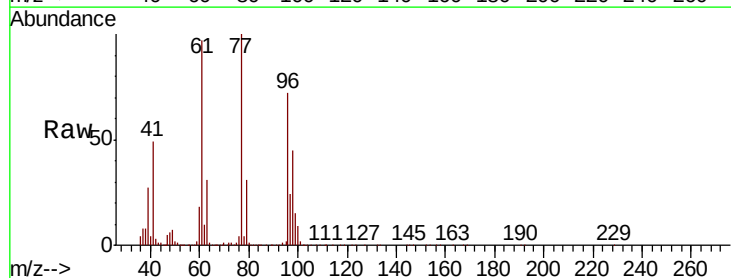
Acq: 11 Dec 2018 10:47

Tgt Ion: 77 Resp: 462806

Ion Ratio Lower Upper

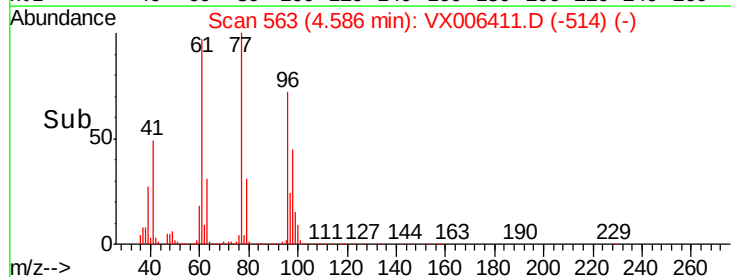
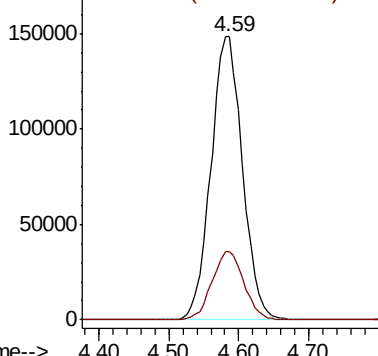
77 100

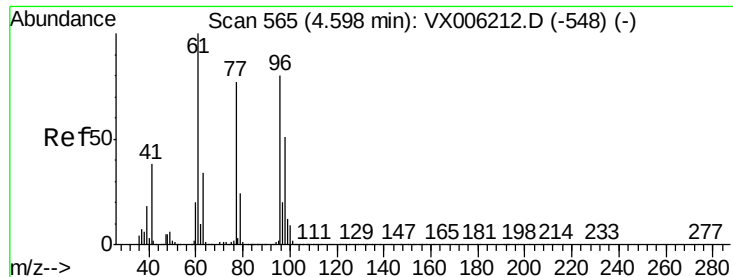
97 24.5 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

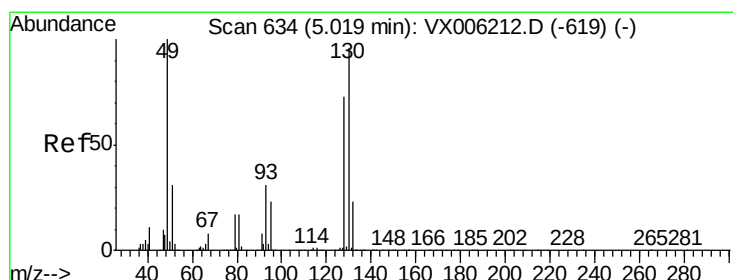
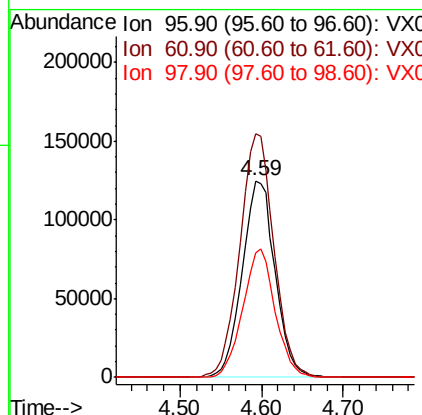
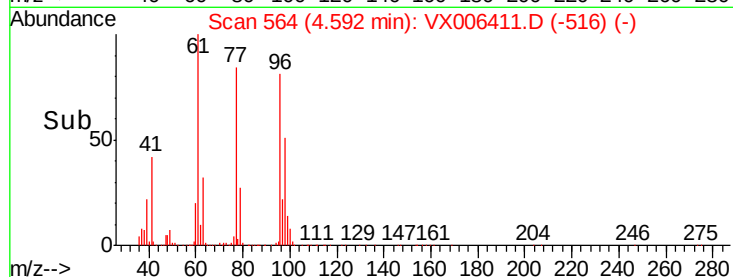
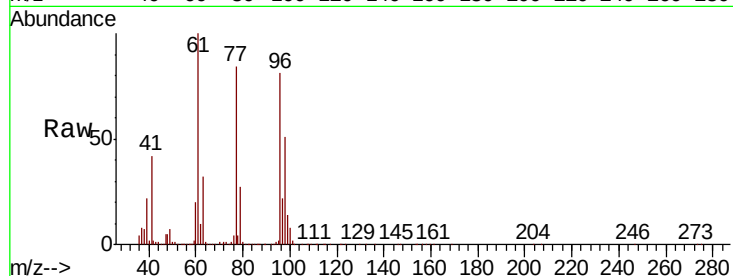
cis-1,2-Dichloroethene
Concen: 54.367 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.7	0.0	265.0
98	64.5	0.0	130.2

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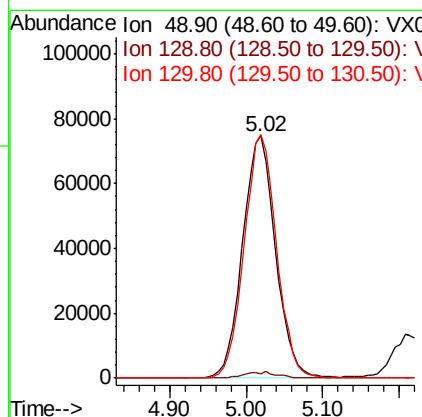
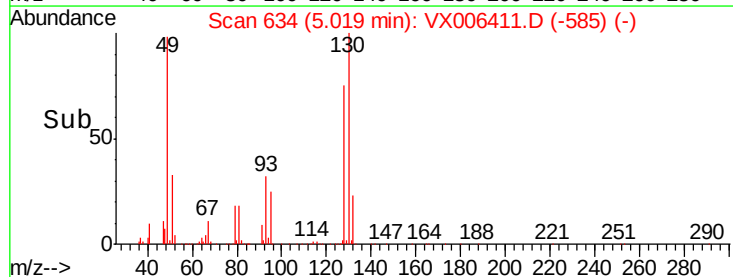
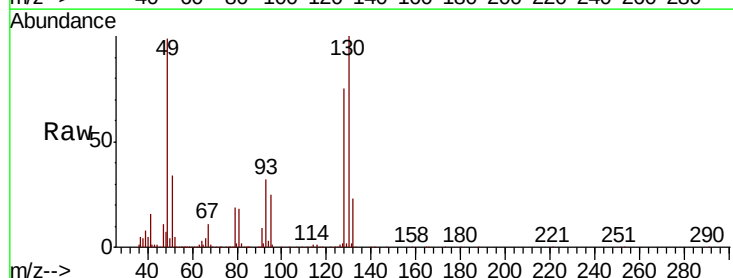
MMDadoda
12/12/2018 10:39:48 AM

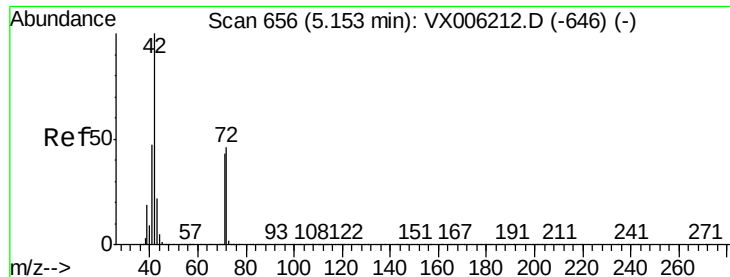


#28

Bromochloromethane
Concen: 53.380 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	5.0
130	99.1	78.3	117.5





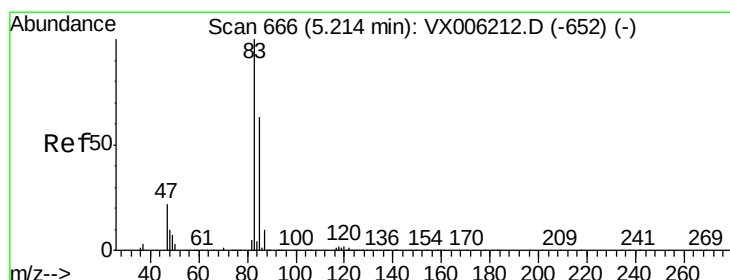
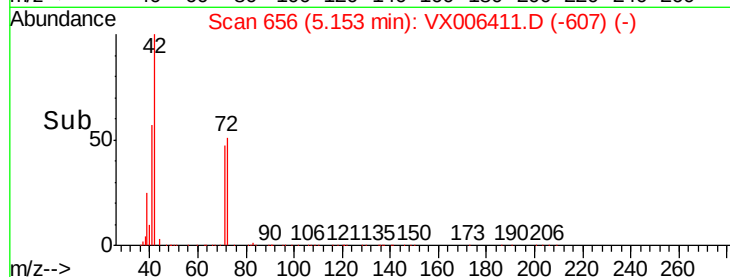
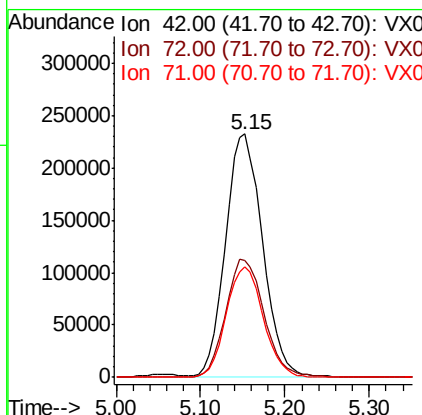
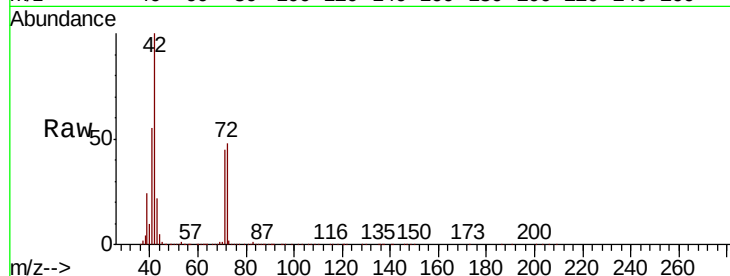
#29
Tetrahydrofuran
Concen: 245.270 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	37.8	56.8
71	45.3	35.2	52.8

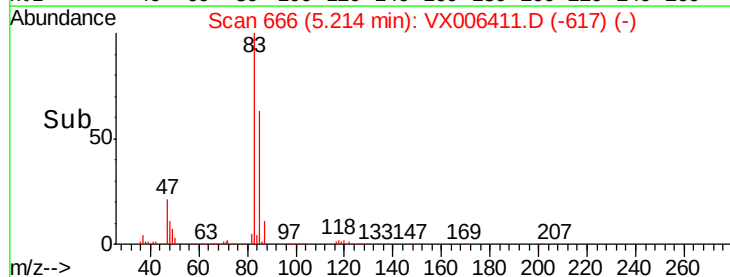
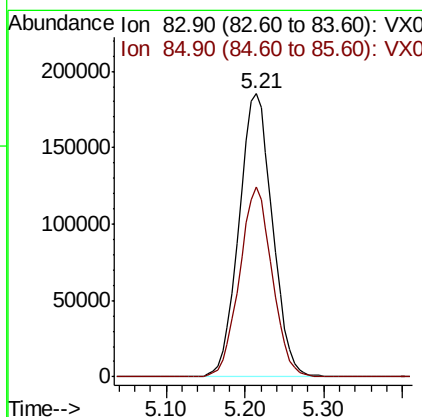
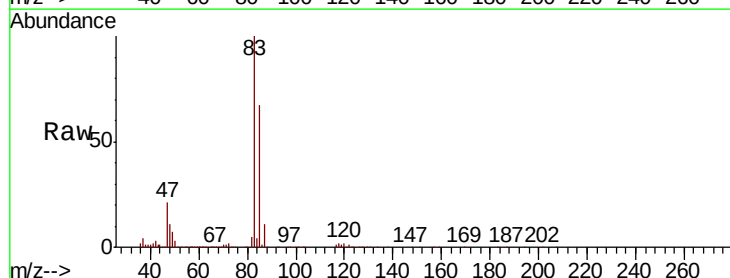
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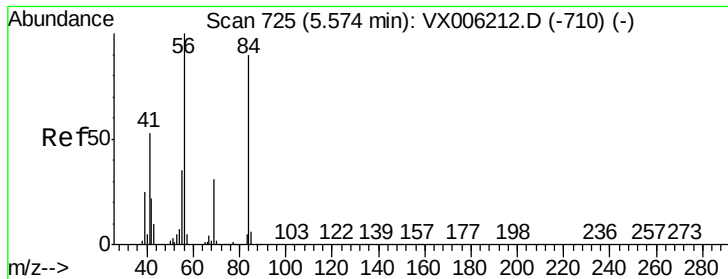
MMDadoda
12/12/2018 10:39:48 AM



#30
Chloroform
Concen: 54.545 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	50.3	75.5





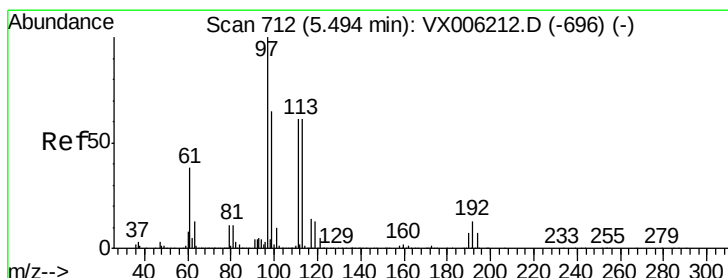
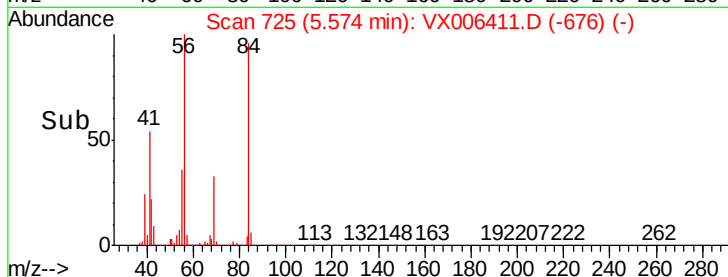
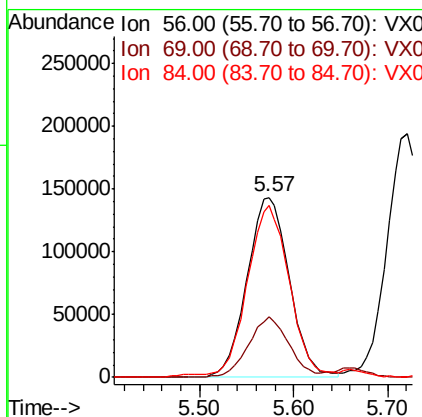
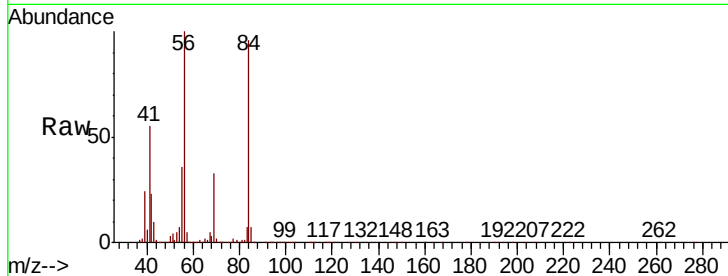
#31
Cyclohexane
Concen: 50.920 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.5	36.7
84	94.3	71.8	107.6

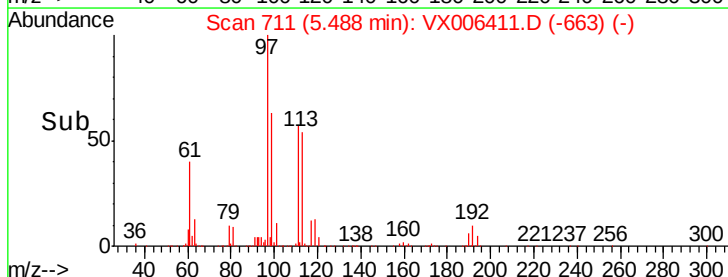
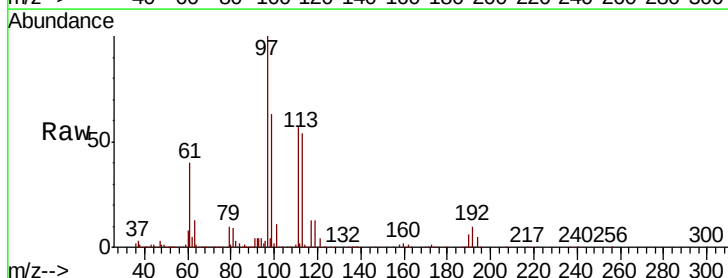
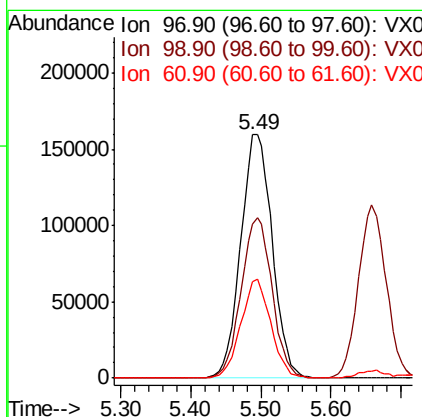
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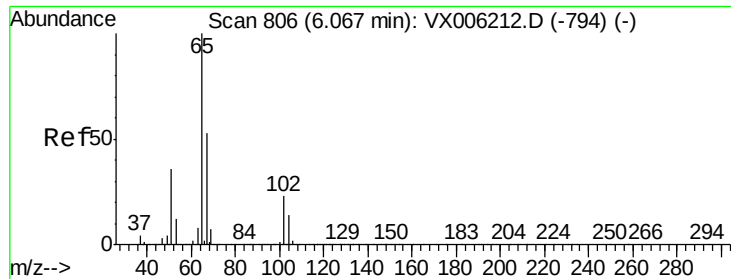
MMDadoda
12/12/2018 10:39:48 AM



#32
1,1,1-Trichloroethane
Concen: 52.411 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	38.6	30.6	46.0





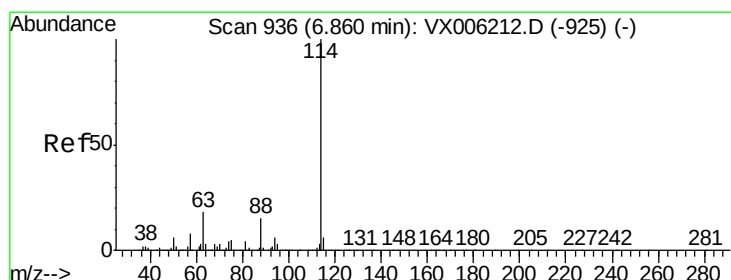
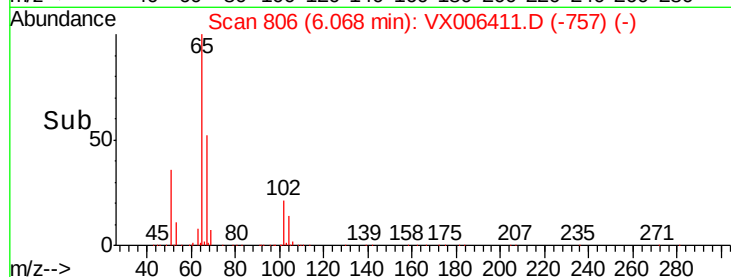
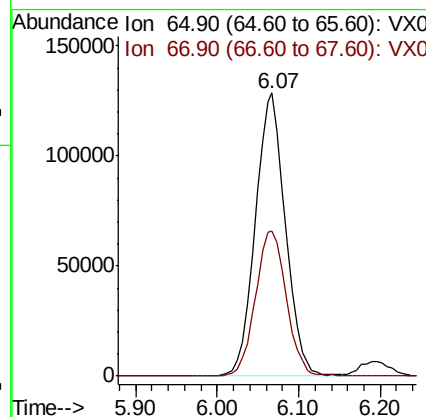
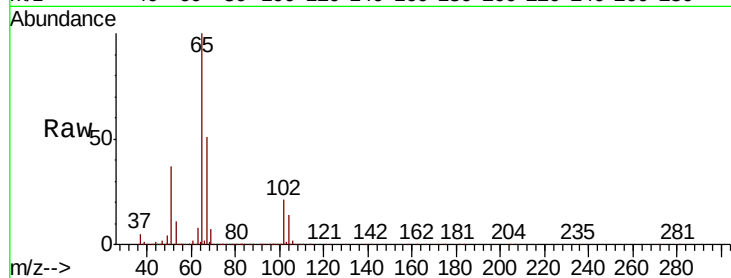
#33
 1,2-Dichloroethane-d4
 Concen: 54.303 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	107.2

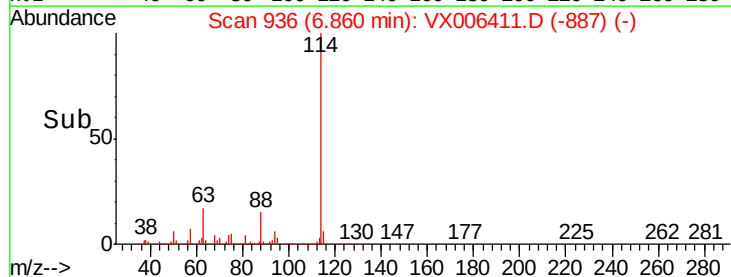
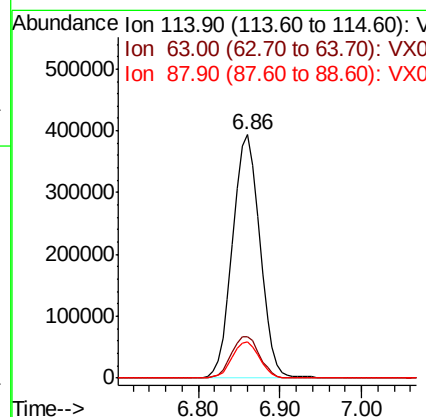
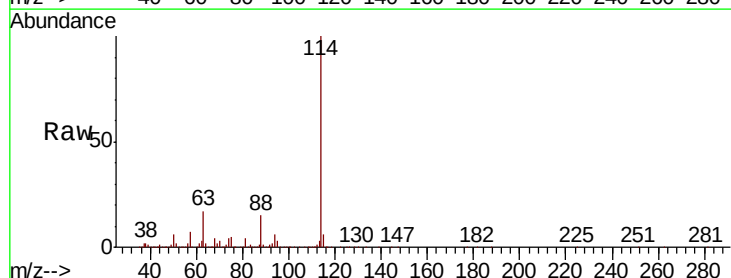
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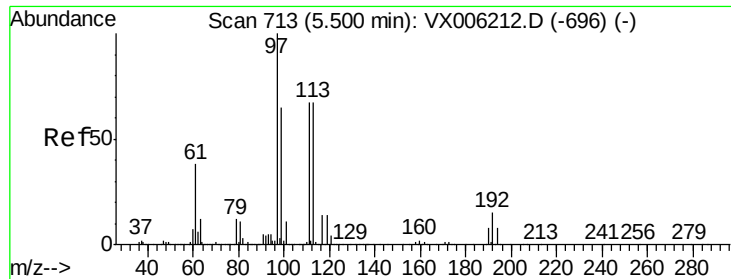
MMDadoda
 12/12/2018 10:39:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	36.6
88	14.8	0.0	29.0





#35

Dibromofluoromethane

Concen: 52.572 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

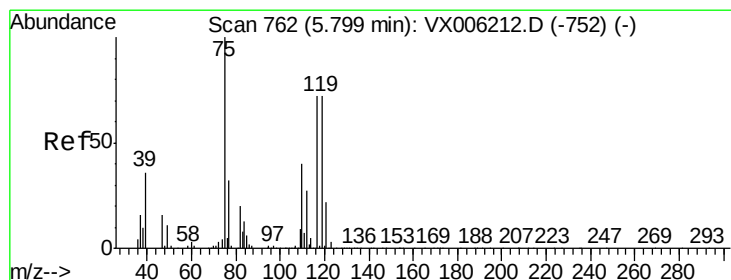
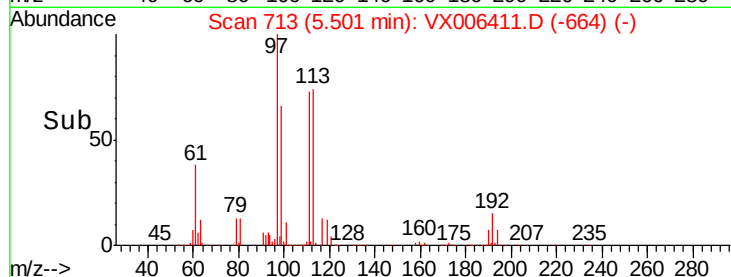
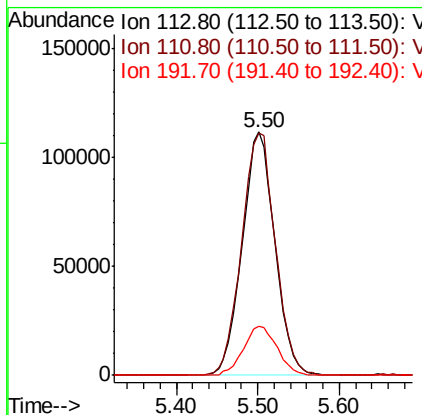
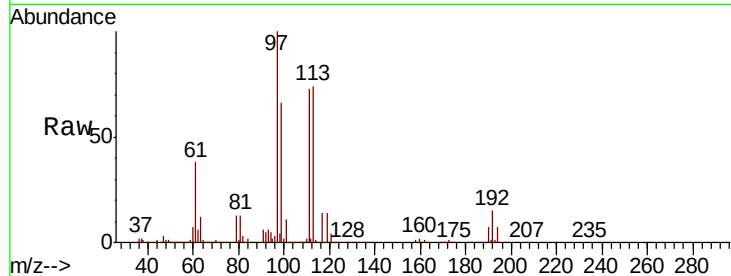
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	311064
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.1	121.7
192	20.8	18.2	27.2

Manual Integrations
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12/12/2018 10:39:48 AM



#36

1,1-Dichloropropene

Concen: 51.156 ug/l

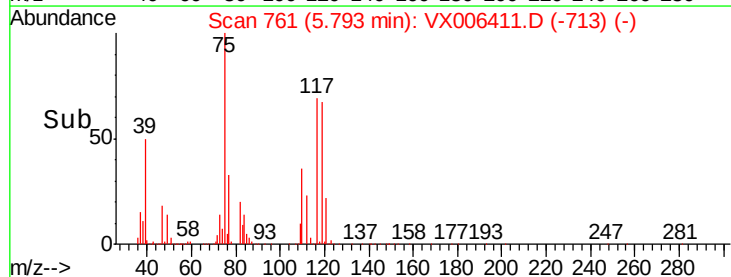
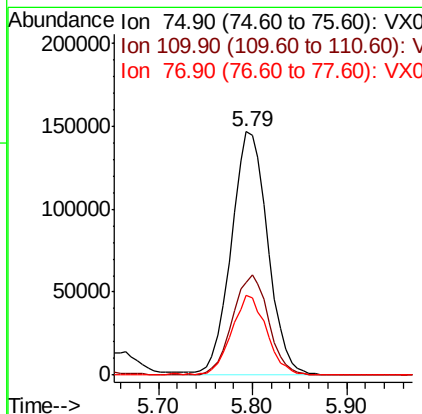
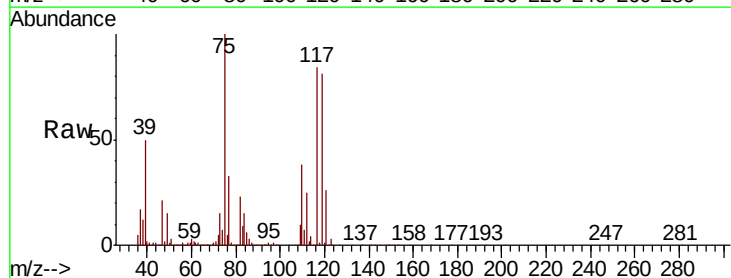
RT: 5.79 min Scan# 761

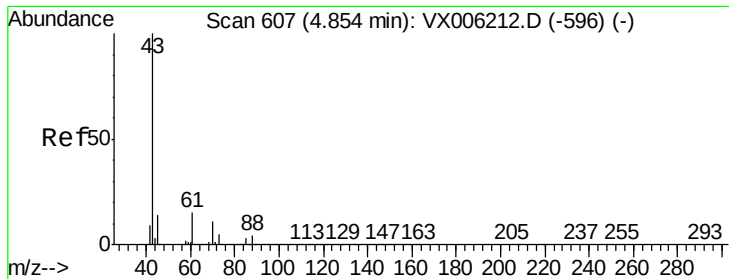
Delta R.T. -0.01 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Tgt Ion:	75	Resp:	393677
Ion Ratio	Lower	Upper	
75	100		
110	41.3	20.4	61.3
77	31.4	24.9	37.3





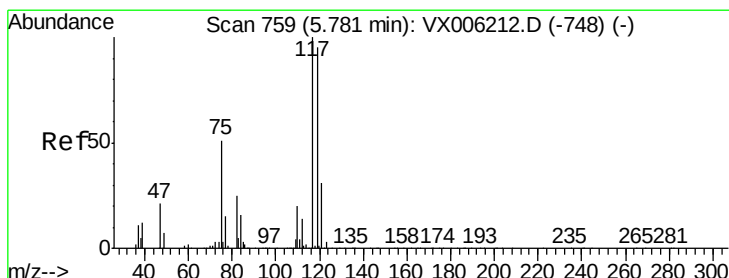
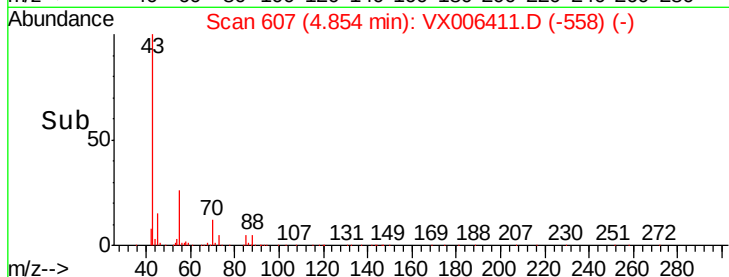
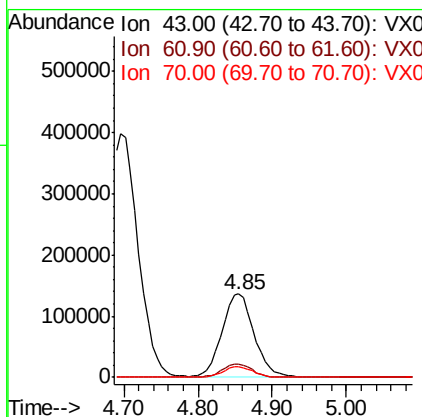
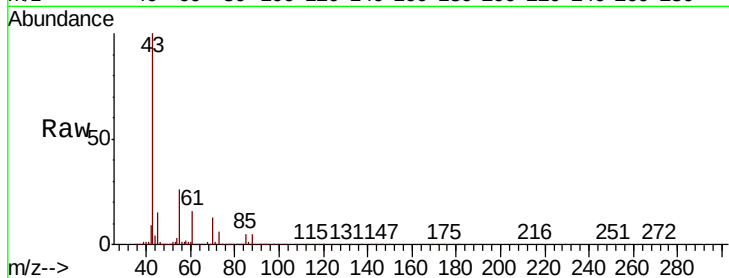
#37
Ethyl Acetate
Concen: 47.305 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	407676
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.9	9.0	13.6

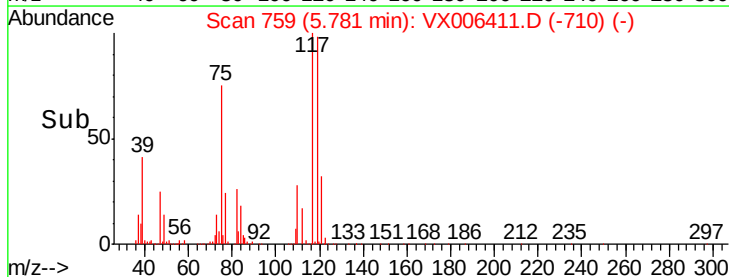
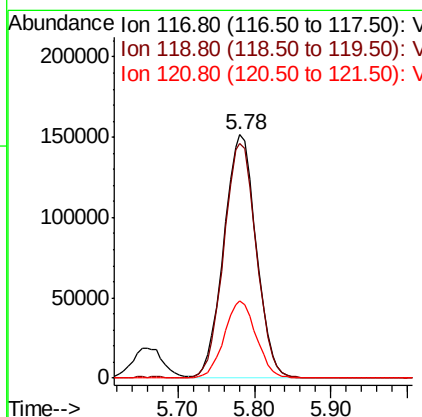
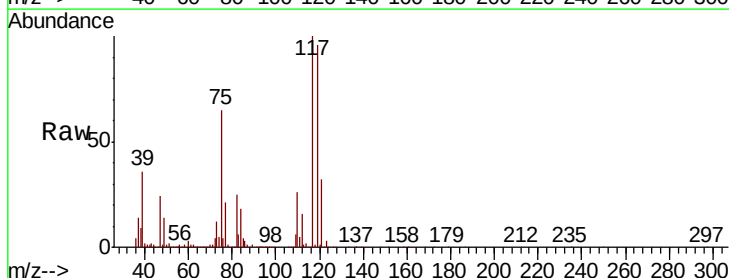
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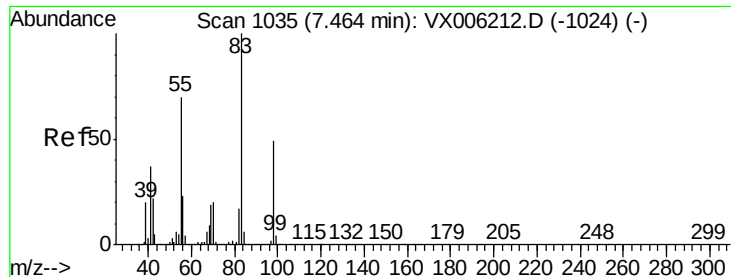
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#38
Carbon Tetrachloride
Concen: 49.200 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion:	117	Resp:	445425
Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.8
121	31.9	24.6	37.0





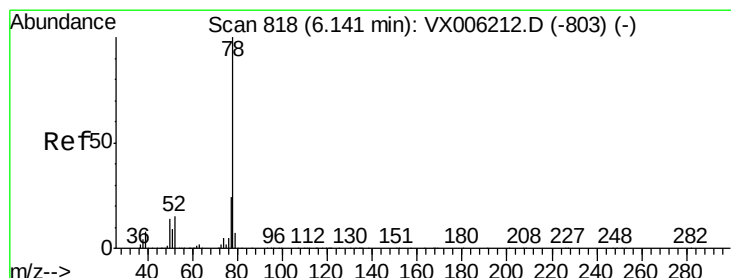
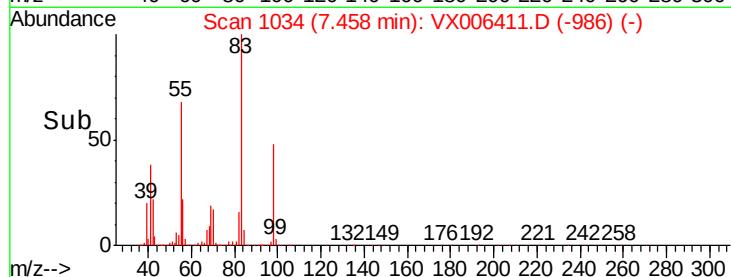
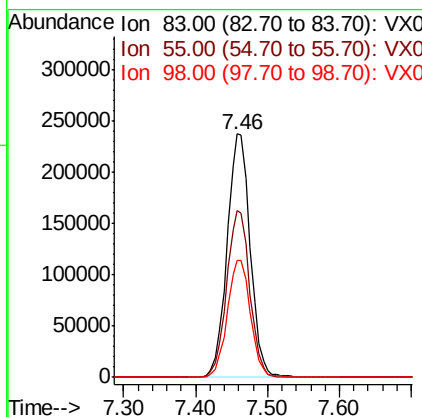
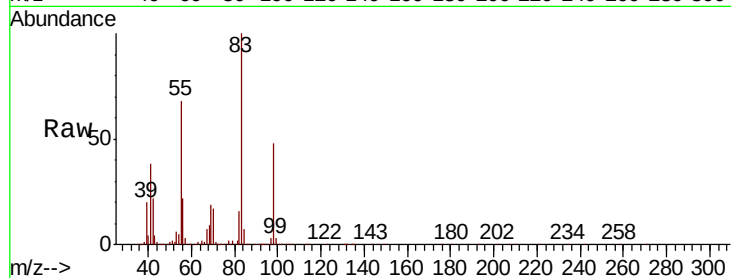
#39
Methylvlcyclohexane
Concen: 52.970 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.3	56.4	84.6
98	47.9	39.0	58.6

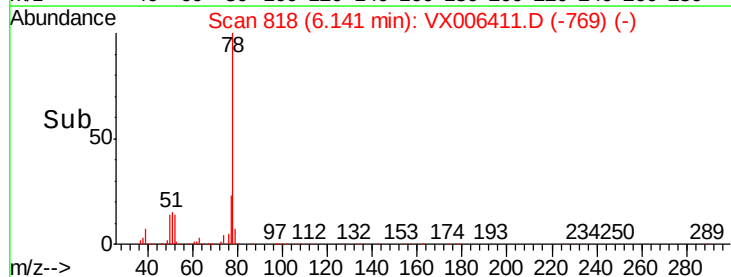
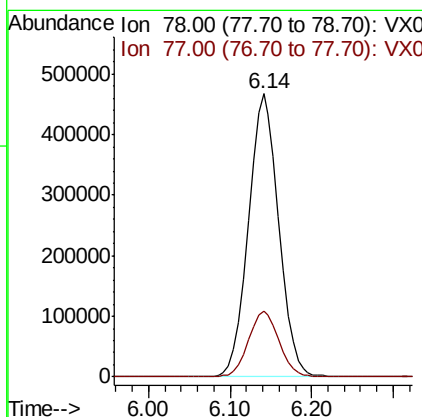
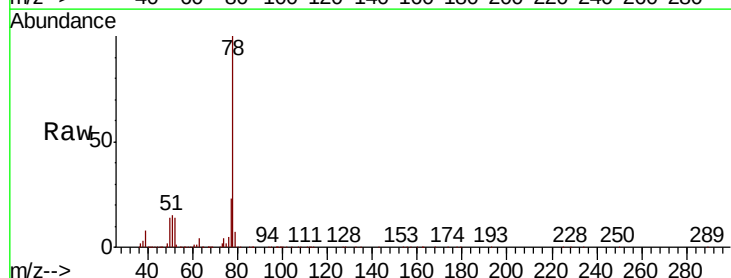
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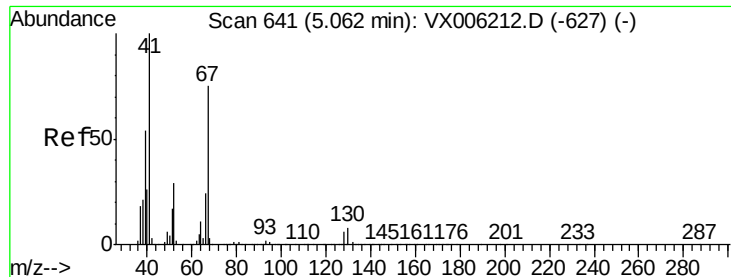
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#40
Benzene
Concen: 52.371 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





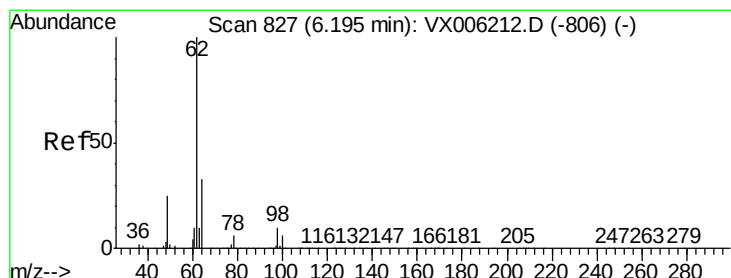
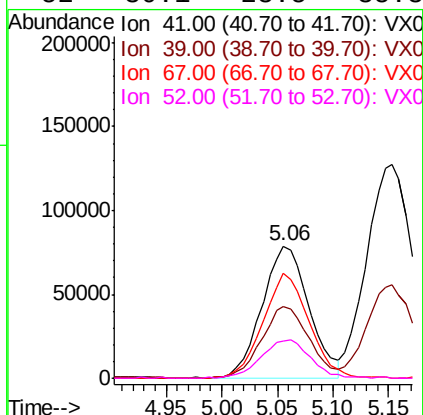
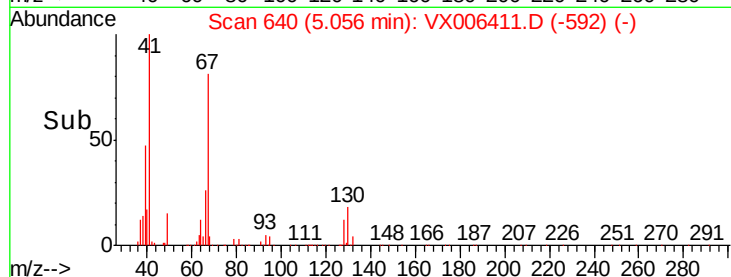
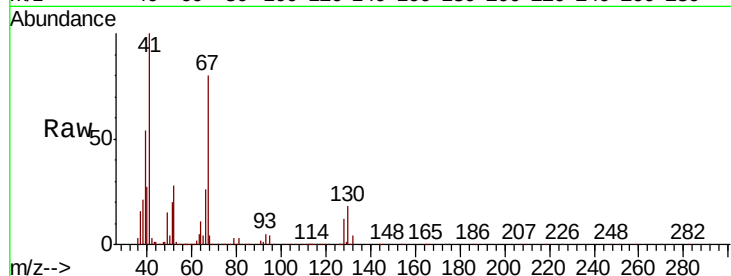
#41
Methacrylonitrile
Concen: 48.599 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		230465		
39	54.5	44.0	66.0		
67	78.4	61.4	92.0		
52	30.1	23.5	35.3		

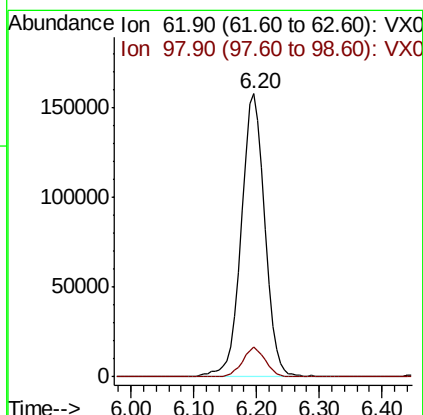
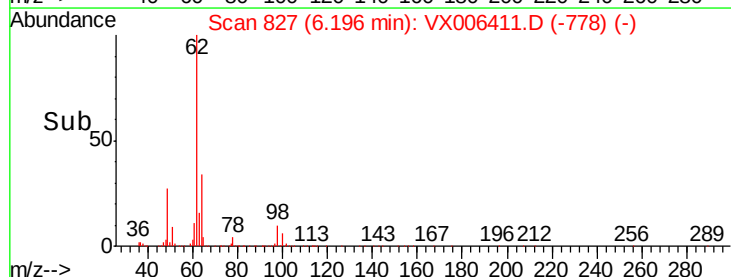
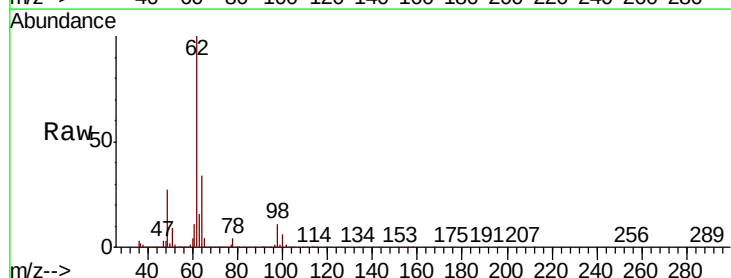
Manual Integrations
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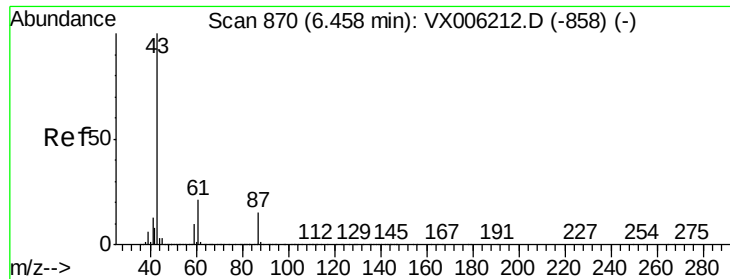
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#42
1,2-Dichloroethane
Concen: 54.101 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		408110		
98	10.2	0.0	20.2		





#43

Isopropyl Acetate

Concen: 47.268 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

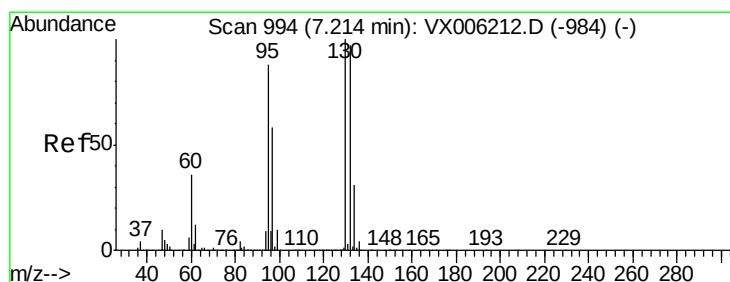
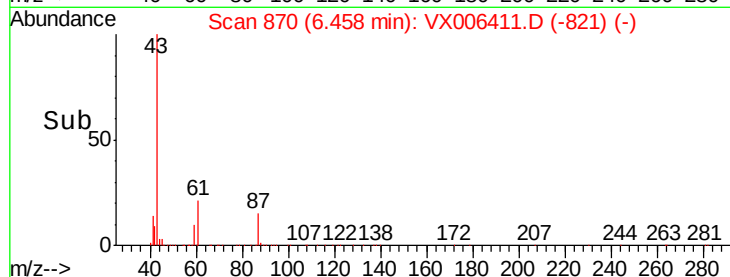
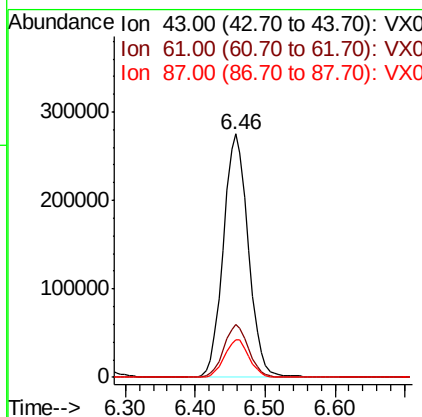
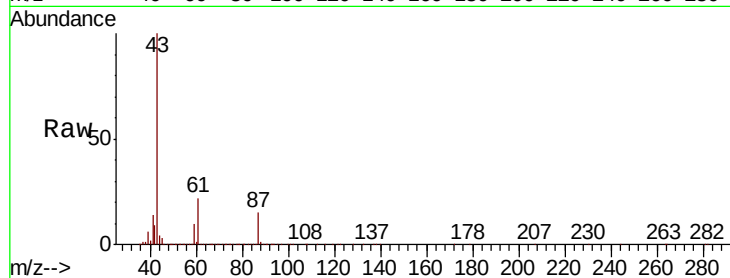
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	679189
Ion	Ratio	Lower	Upper
43	100		
61	21.6	16.8	25.2
87	15.4	11.9	17.9

Manual Integrations
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MMDadoda
12/12/2018 10:39:48 AM



#44

Trichloroethene

Concen: 51.598 ug/l

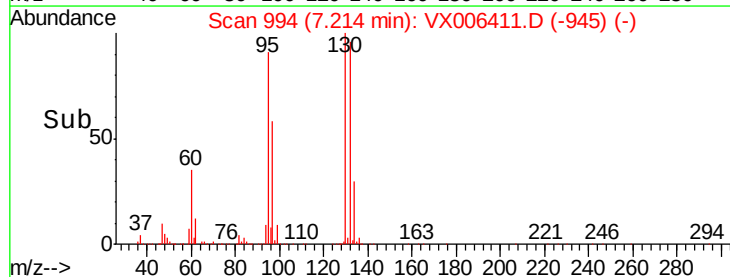
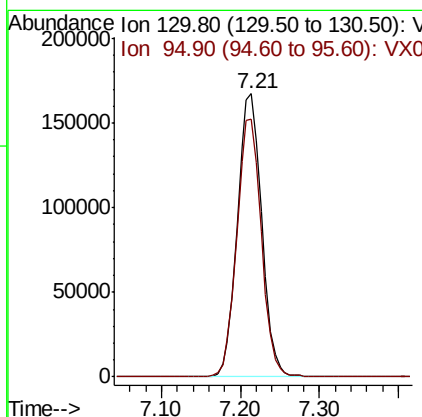
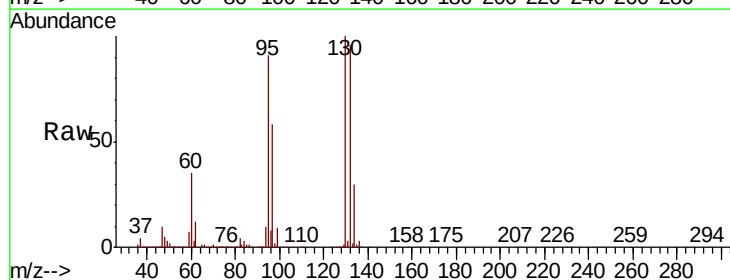
RT: 7.21 min Scan# 994

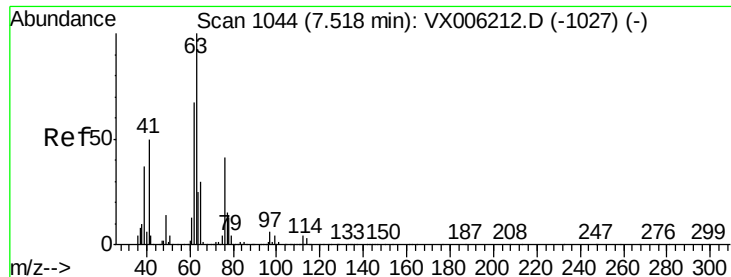
Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Tgt Ion:	130	Resp:	360288
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	175.8





#45

1,2-Dichloropropane

Concen: 51.266 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 300315

Ion Ratio Lower Upper

63 100

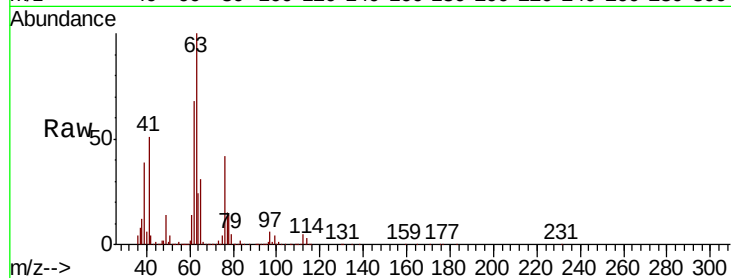
65 30.8 24.3 36.5

Manual Integrations

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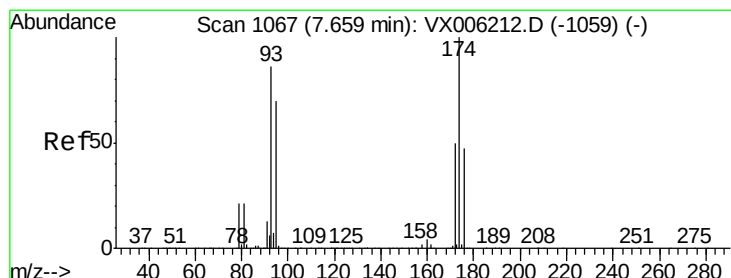
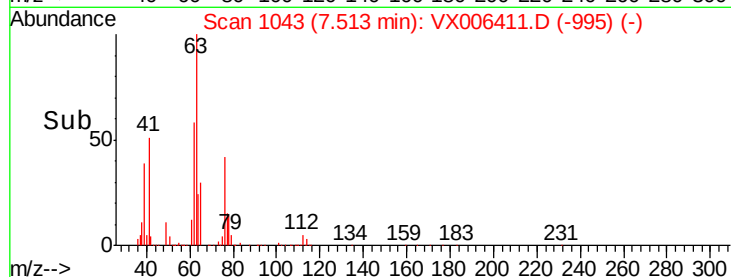
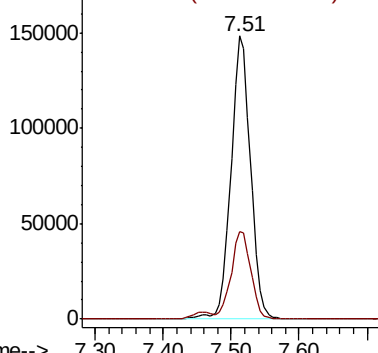
MMDadoda

12/12/2018 10:39:48 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.532 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

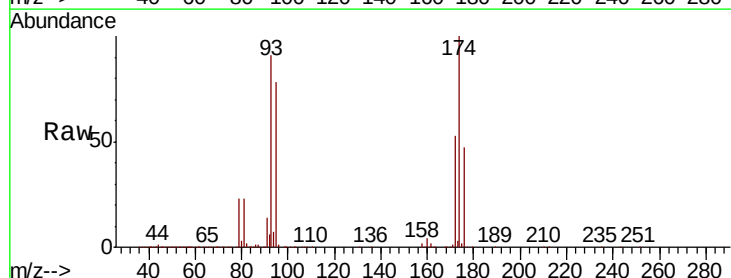
Tgt Ion: 93 Resp: 218019

Ion Ratio Lower Upper

93 100

95 84.6 66.2 99.4

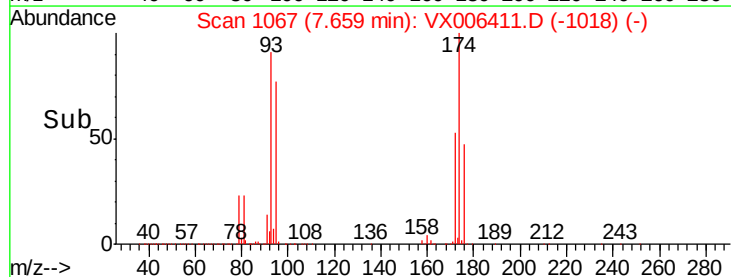
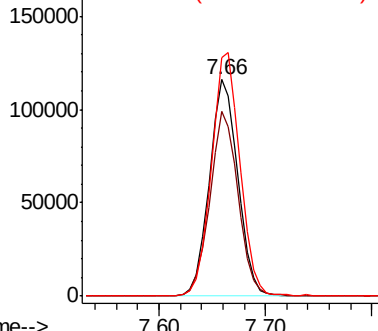
174 112.9 97.2 145.8

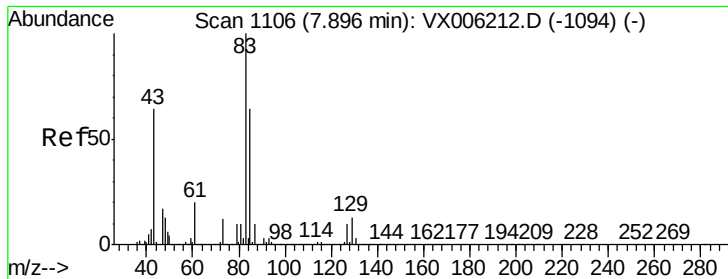


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.273 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

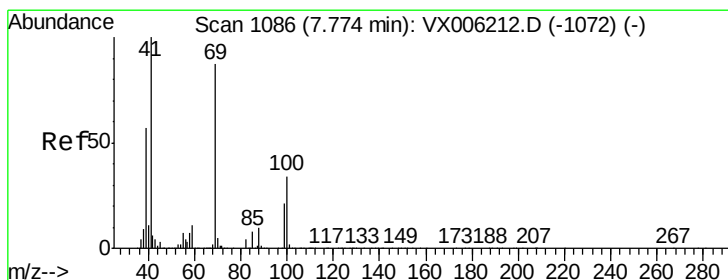
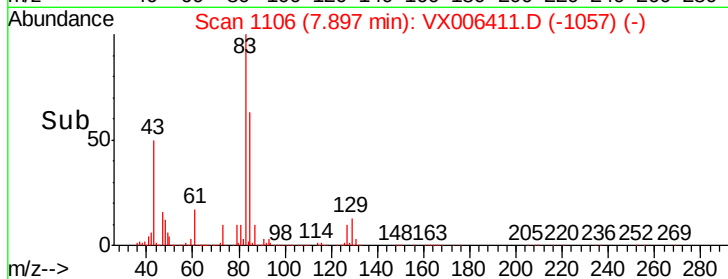
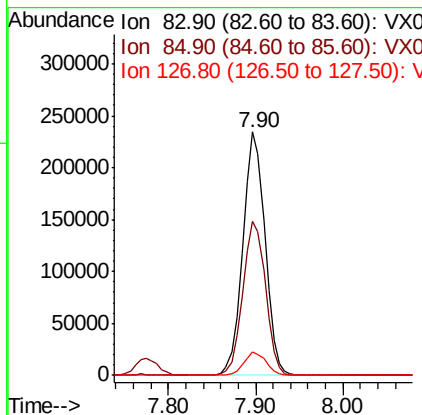
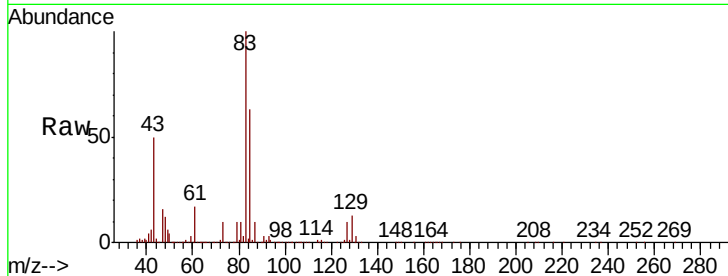
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	411886
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.4	77.0
127	9.6	7.9	11.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.509 ug/l

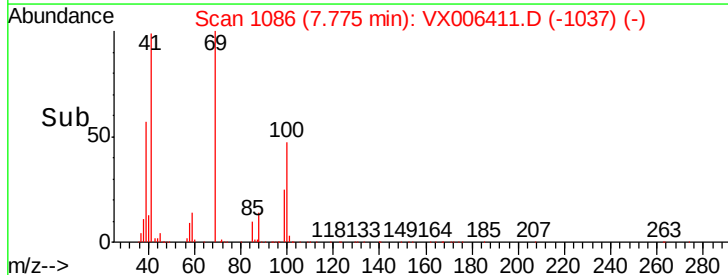
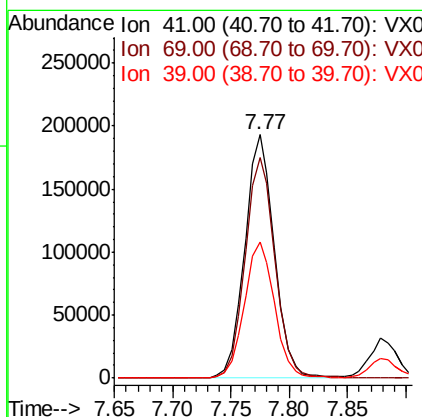
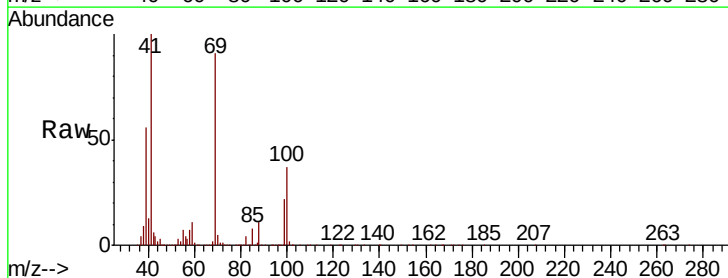
RT: 7.77 min Scan# 1086

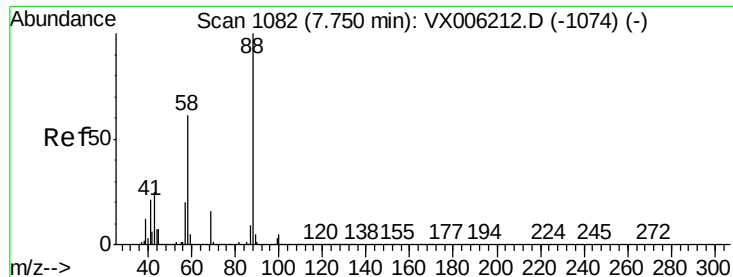
Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Tgt Ion:	41	Resp:	339095
Ion Ratio	Lower	Upper	
41	100		
69	92.6	70.3	105.5
39	57.1	45.3	67.9





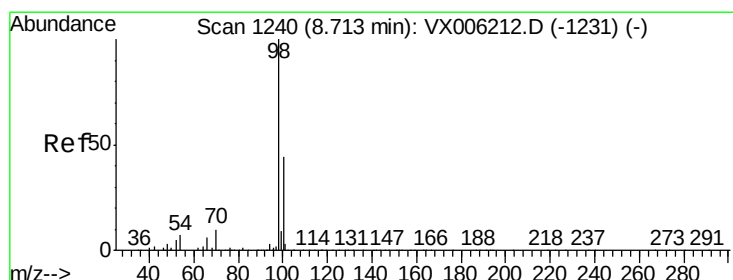
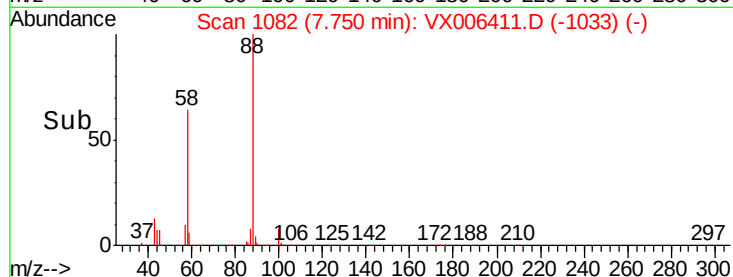
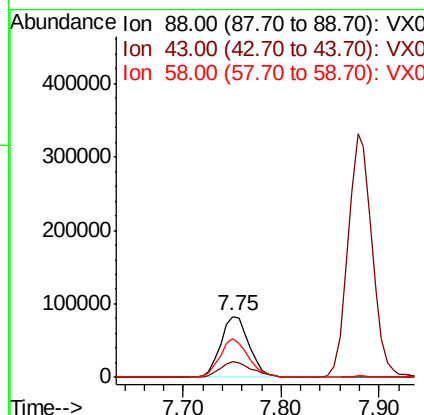
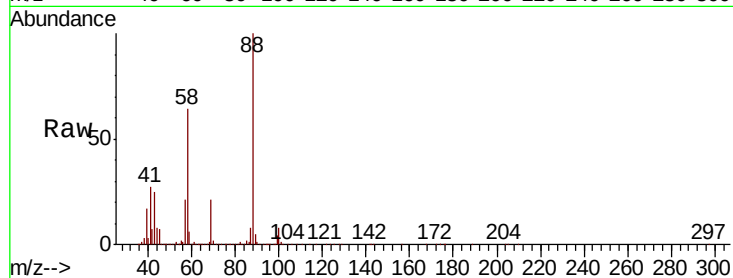
#49
1,4-Dioxane
Concen: 980.178 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	23.2	34.8
58	63.1	51.4	77.0

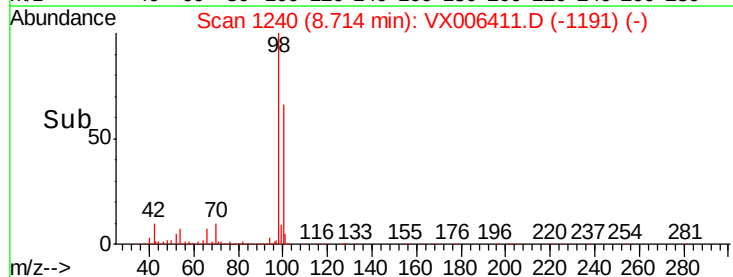
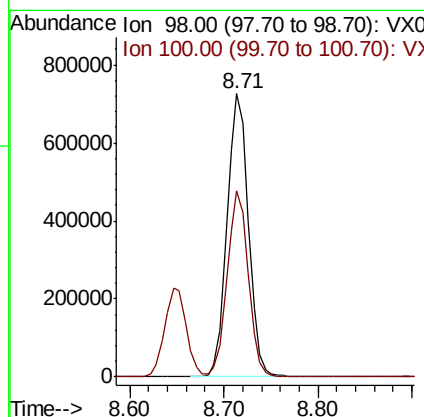
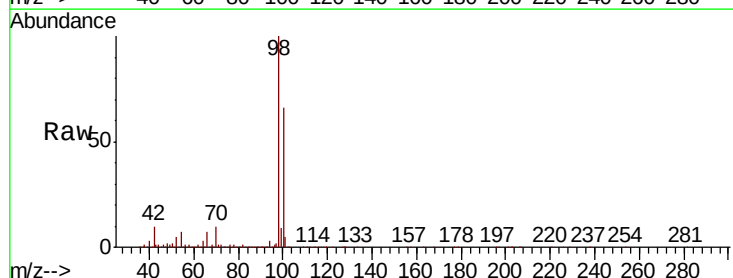
Manual Integrations
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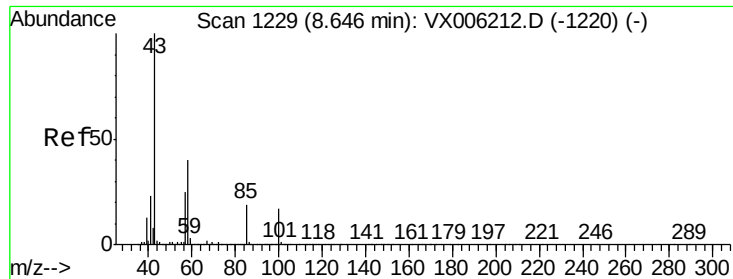
MMDadoda
12/12/2018 10:39:48 AM



#50
Toluene-d8
Concen: 52.910 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 246.626 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2062967

Ion Ratio Lower Upper

43 100

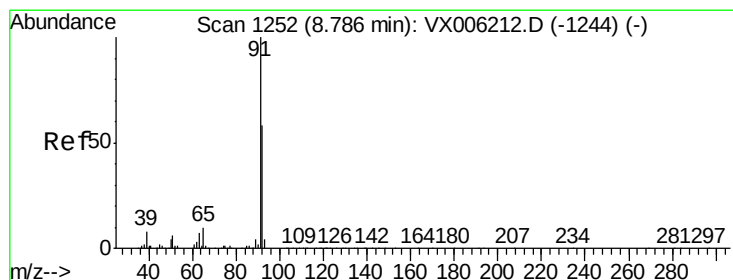
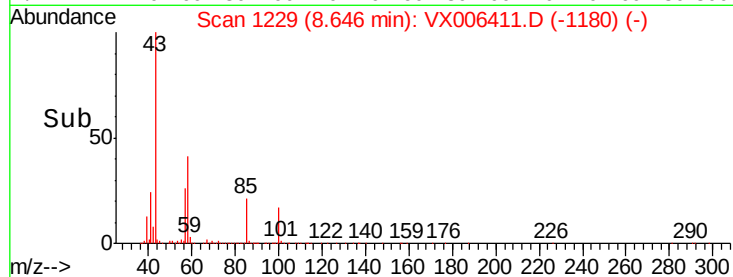
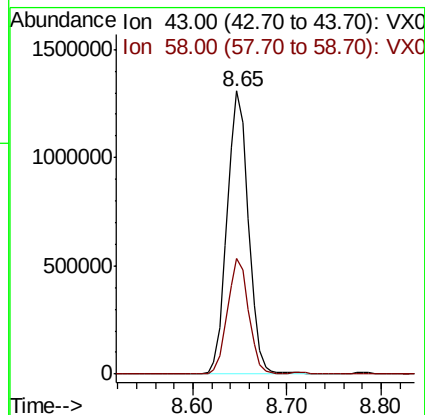
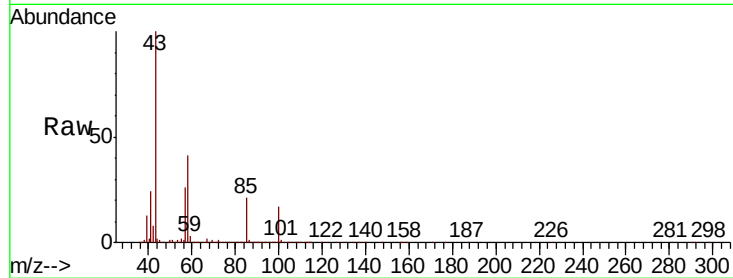
58 40.3 31.3 46.9

Manual Integrations

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MMDadoda

12/12/2018 10:39:48 AM



#52

Toluene

Concen: 53.134 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006411.D

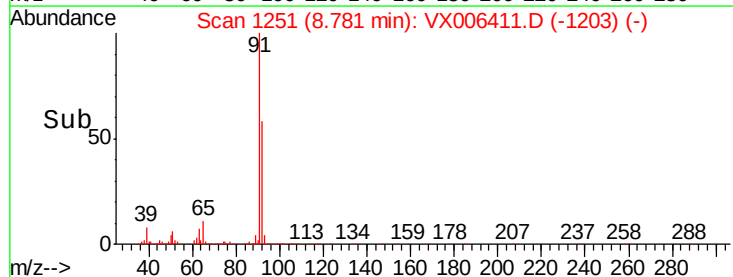
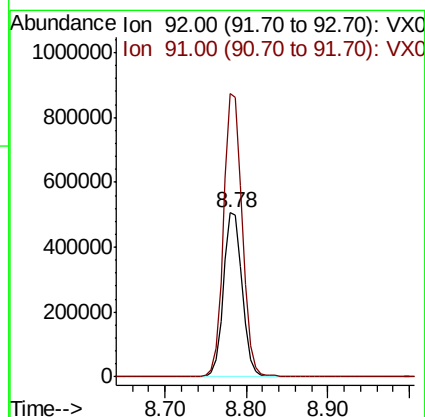
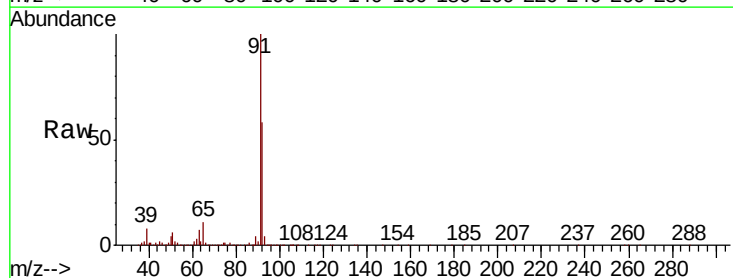
Acq: 11 Dec 2018 10:47

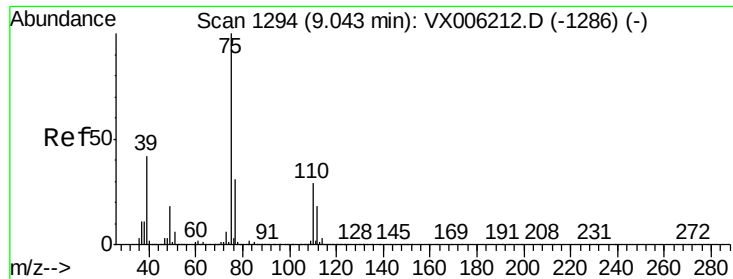
Tgt Ion: 92 Resp: 805720

Ion Ratio Lower Upper

92 100

91 171.9 139.2 208.8





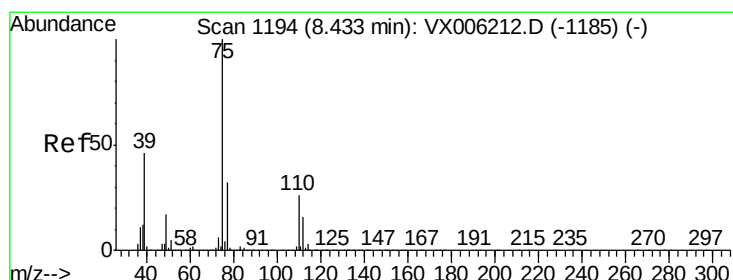
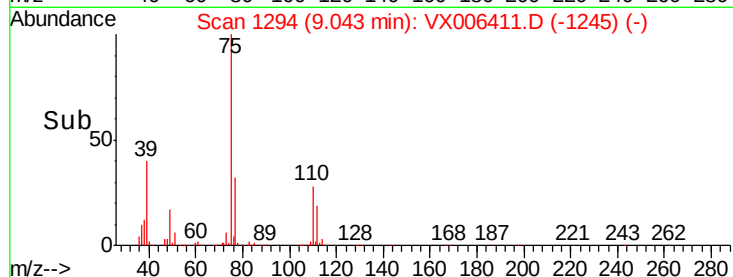
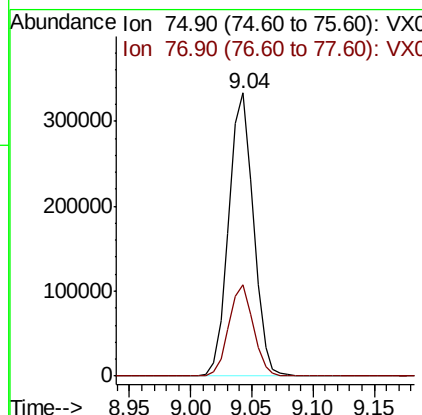
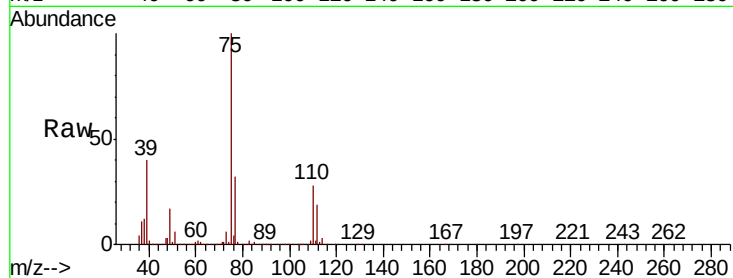
#53
t-1,3-Dichloropropene
Concen: 48.573 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.0	37.4

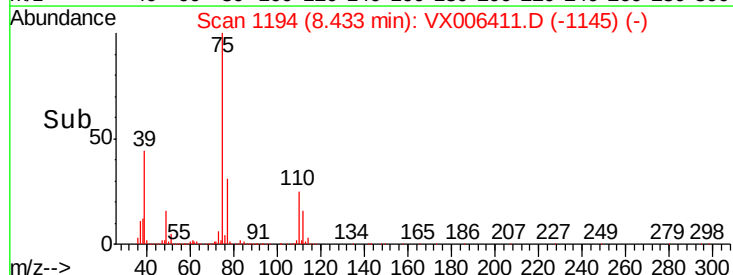
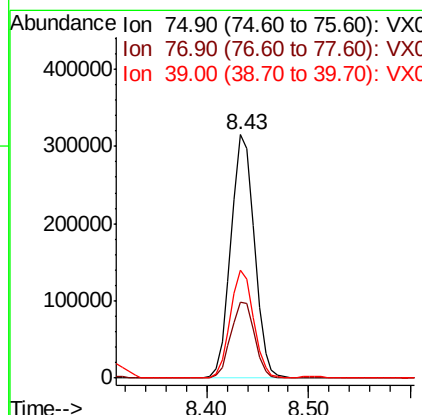
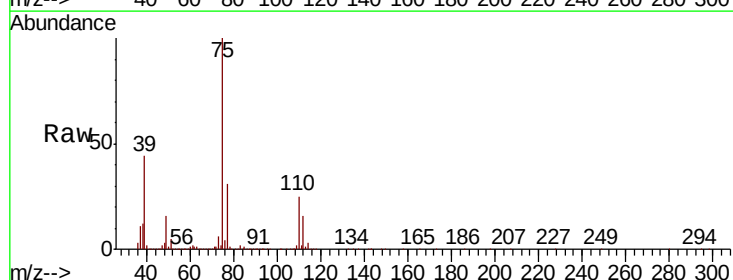
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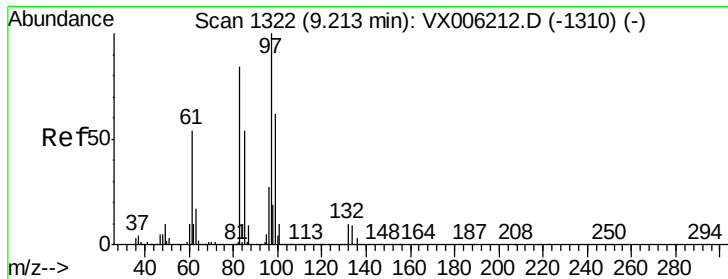
MMDadoda
12/12/2018 10:39:48 AM



#54
cis-1,3-Dichloropropene
Concen: 50.519 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.6	38.4
39	44.0	36.5	54.7





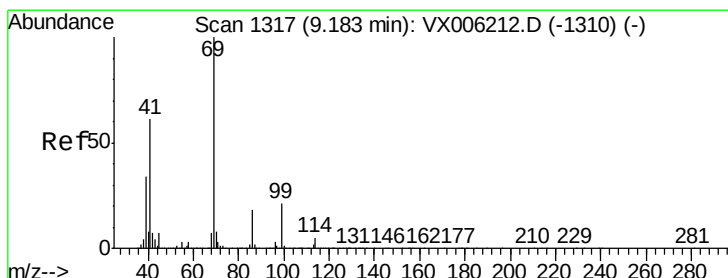
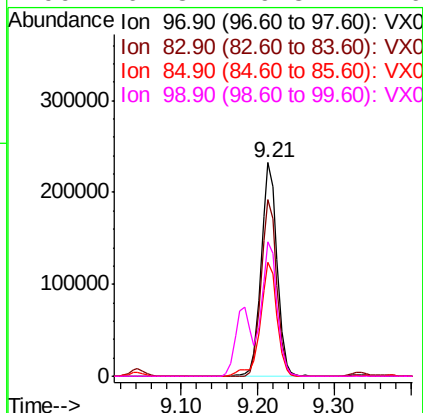
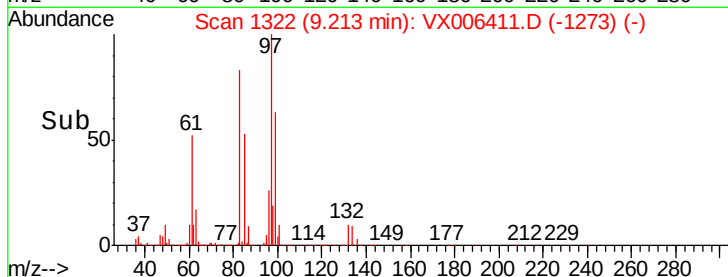
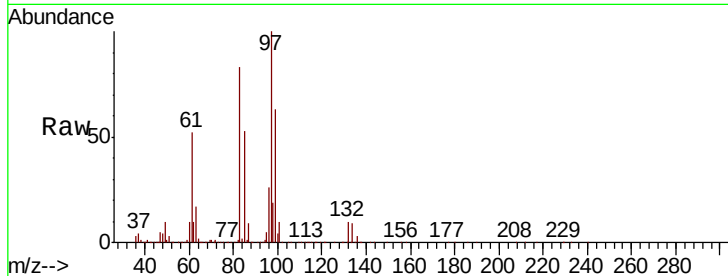
#55
 1,1,2-Trichloroethane
 Concen: 55.332 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	340873
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.1	100.7
85	53.4	43.2	64.8
99	62.8	49.8	74.6

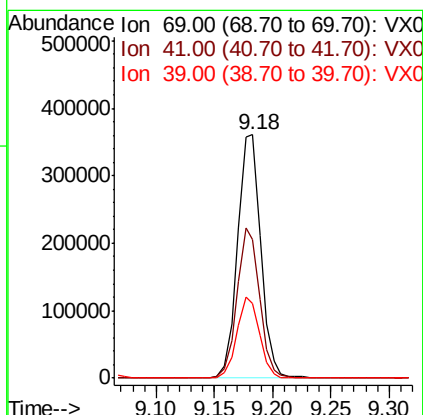
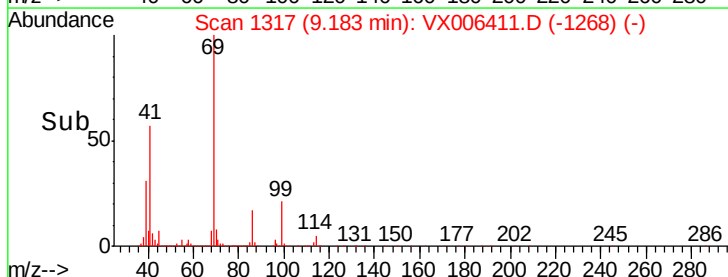
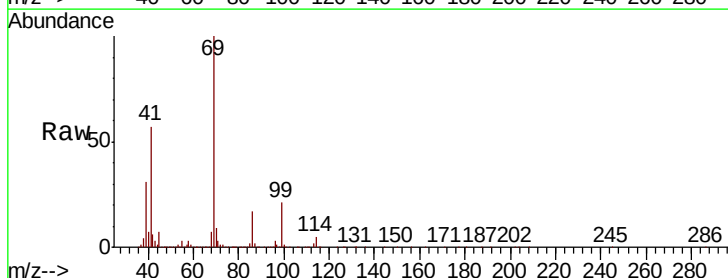
Manual Integrations
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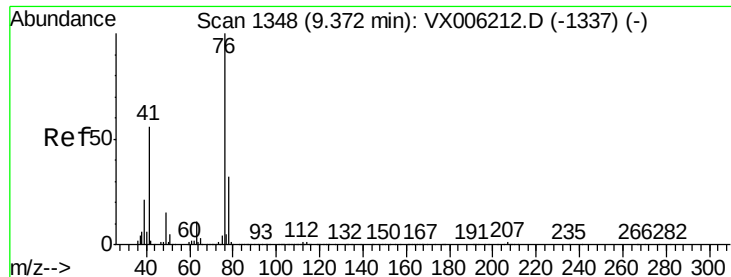
MMDadoda
 12/12/2018 10:39:48 AM



#56
 Ethyl methacrylate
 Concen: 52.059 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Tgt Ion:	69	Resp:	501364
Ion	Ratio	Lower	Upper
69	100		
41	59.8	50.6	76.0
39	32.8	27.6	41.4





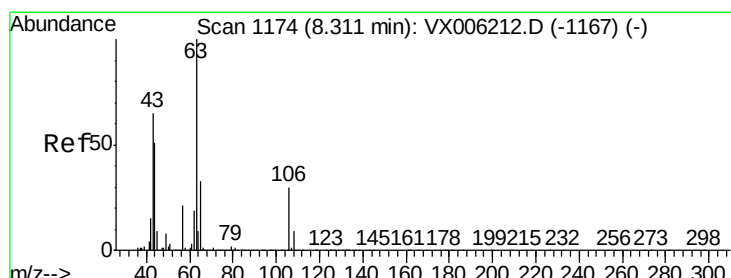
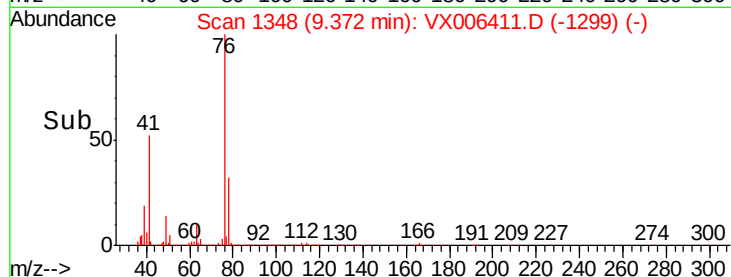
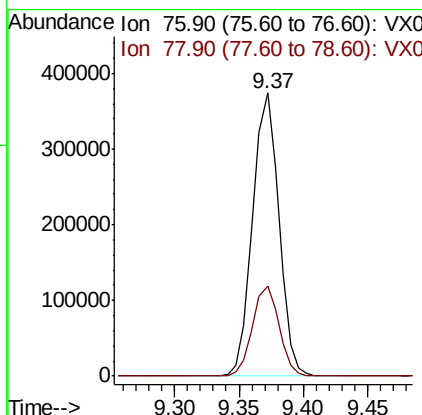
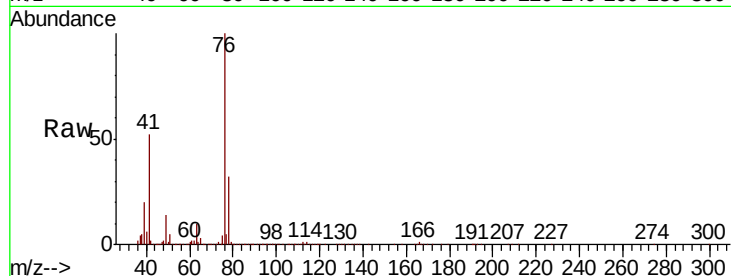
#57
 1,3-Dichloropropane
 Concen: 54.060 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.1	39.1

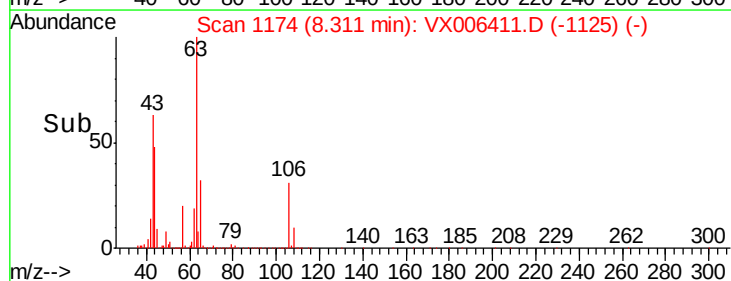
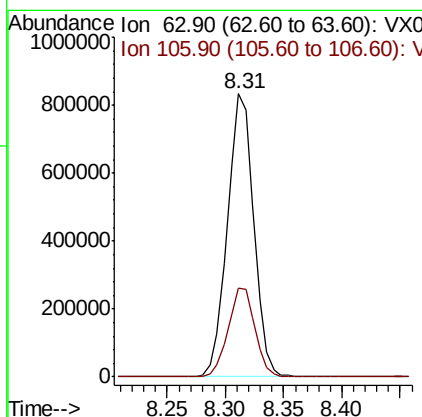
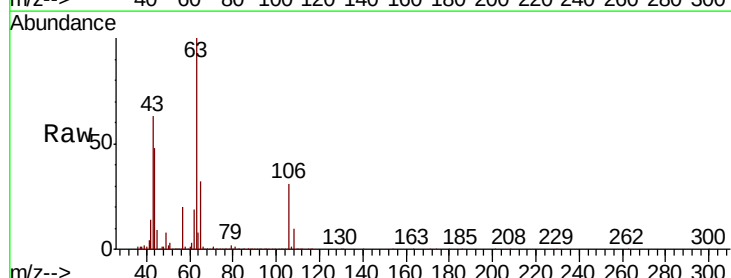
Manual Integrations
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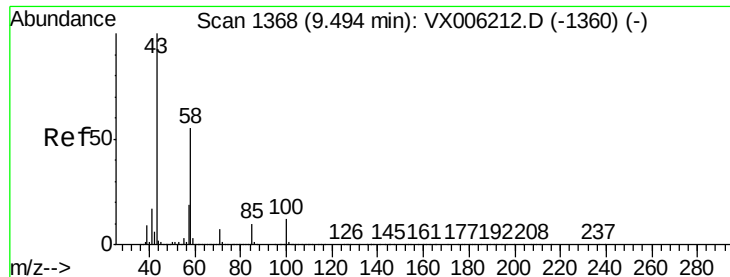
MMDadoda
 12/12/2018 10:39:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.681 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.8	24.9	37.3





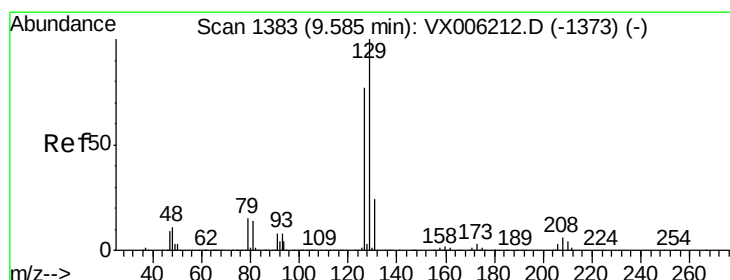
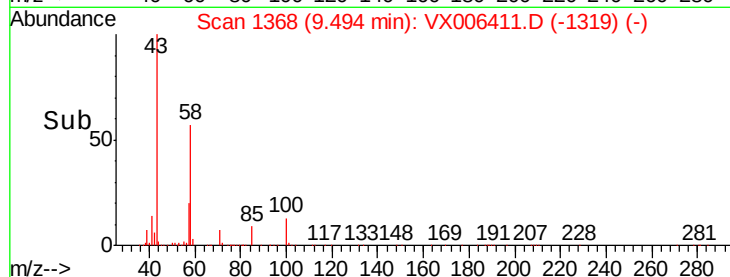
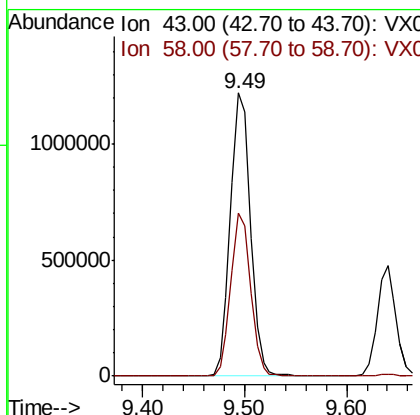
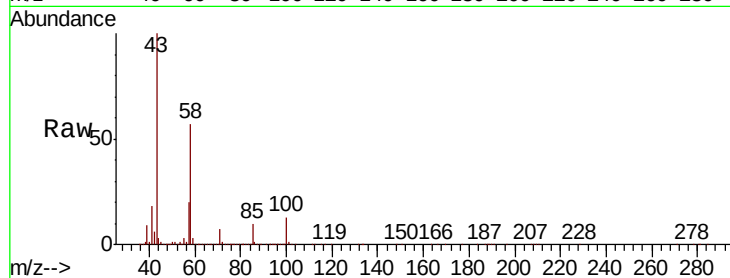
#59
2-Hexanone
Concen: 259.274 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1656943
Ion Ratio Lower Upper
43 100
58 56.8 27.7 83.1

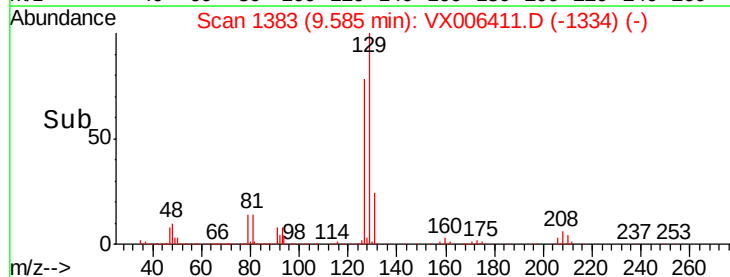
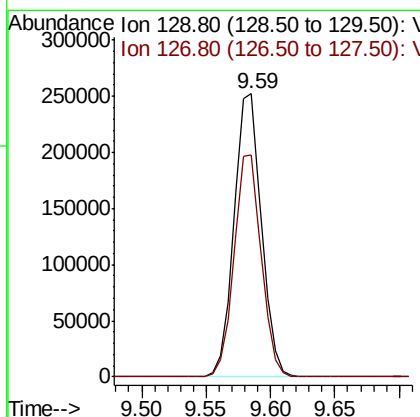
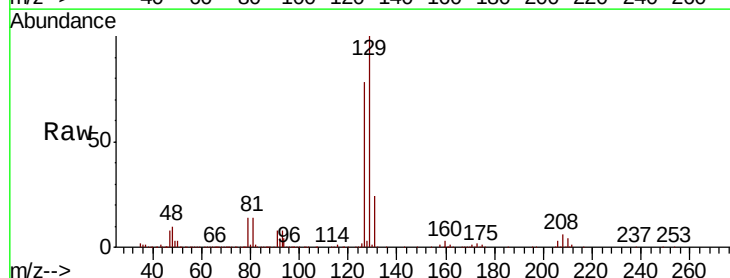
Manual Integrations
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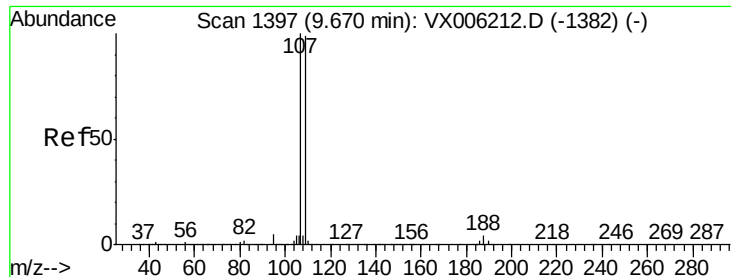
MMDadoda
12/12/2018 10:39:48 AM



#60
Dibromochloromethane
Concen: 49.204 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion: 129 Resp: 373776
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





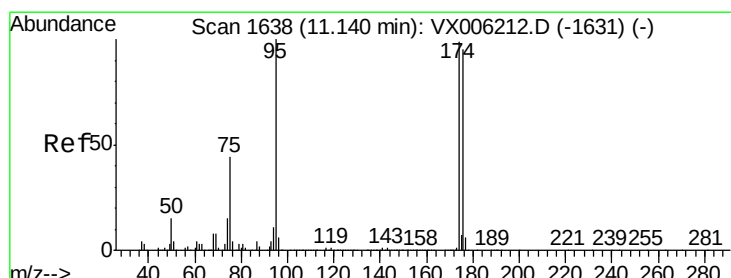
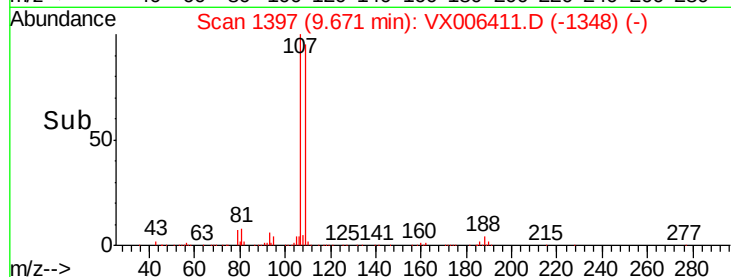
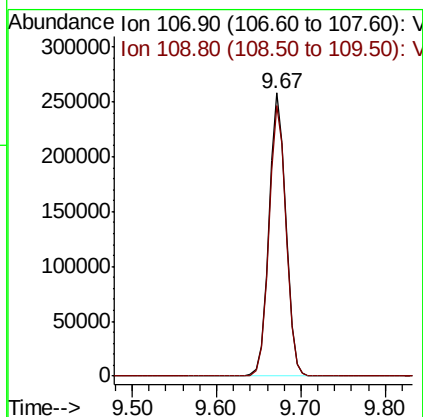
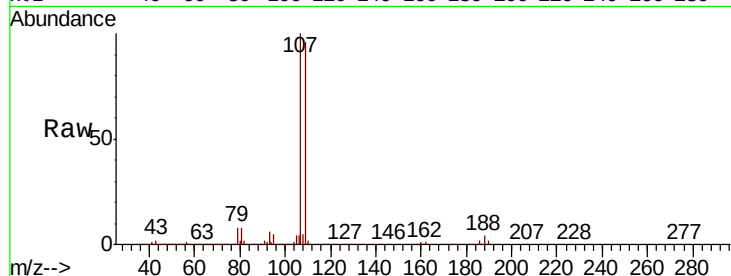
#61
 1,2-Dibromoethane
 Concen: 52.240 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	76.3	114.5

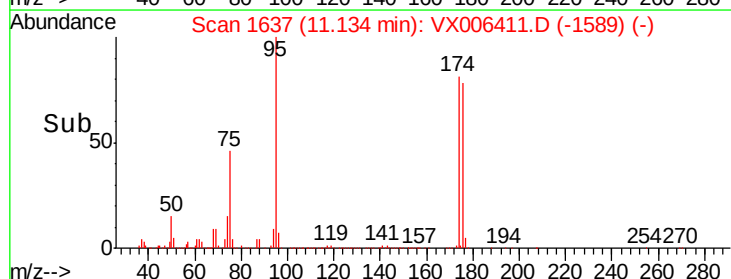
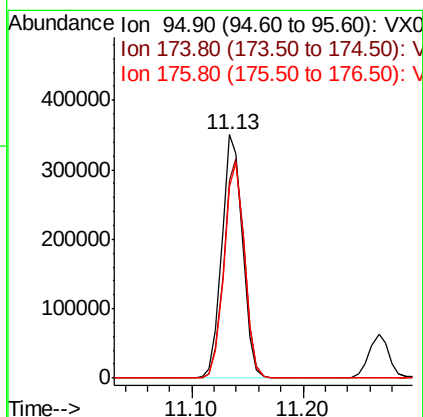
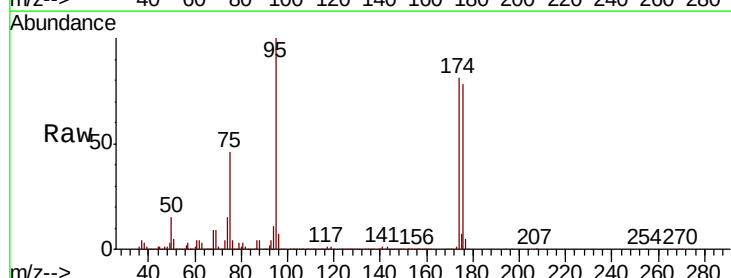
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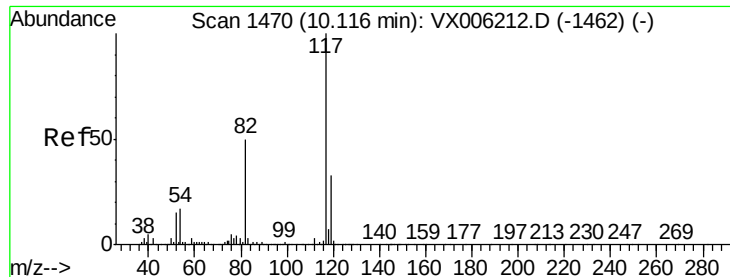
MMDadoda
 12/12/2018 10:39:48 AM



#62
 4-Bromofluorobenzene
 Concen: 55.506 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	187.0
176	86.9	0.0	181.8





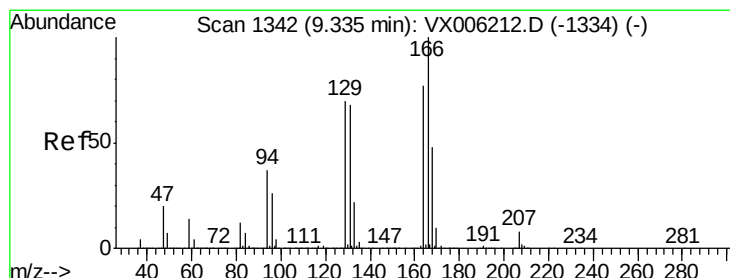
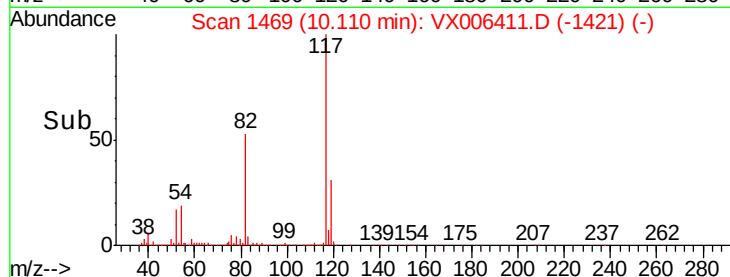
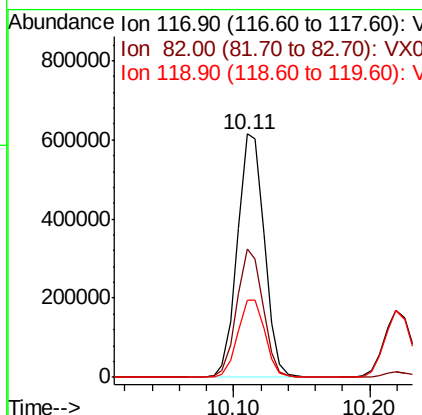
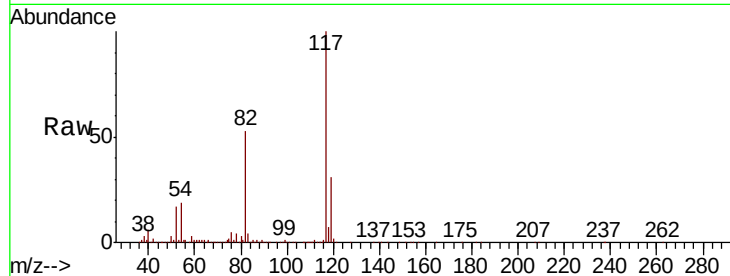
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	848841		
82	52.6		39.6	59.4
119	31.4		26.3	39.5

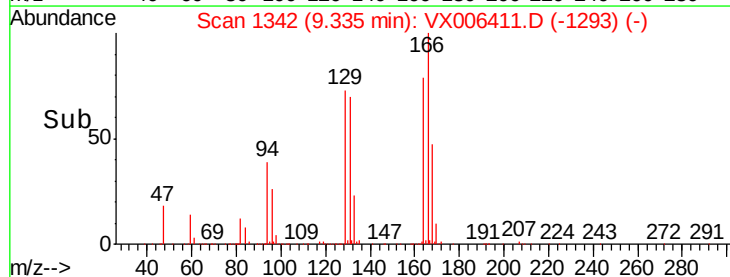
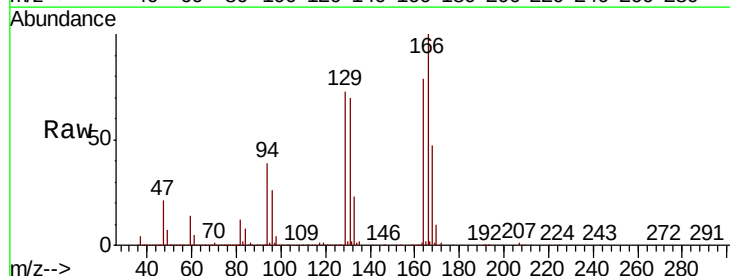
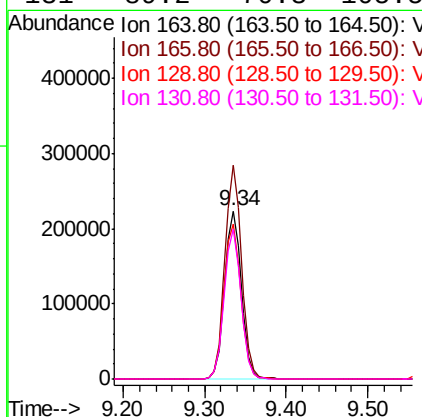
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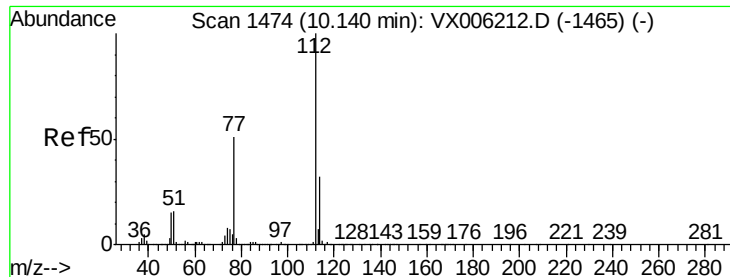
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#64
Tetrachloroethene
Concen: 49.887 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	318907		
166	127.2		104.2	156.2
129	92.3		72.6	108.8
131	89.2		70.3	105.5





#65

Chlorobenzene

Concen: 53.304 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 960490

Ion Ratio Lower Upper

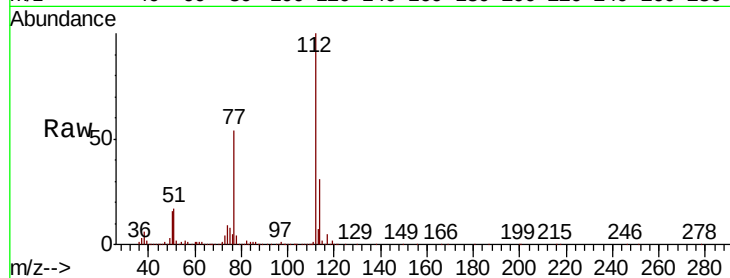
112 100

114 31.0 25.4 38.2

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

800000

600000

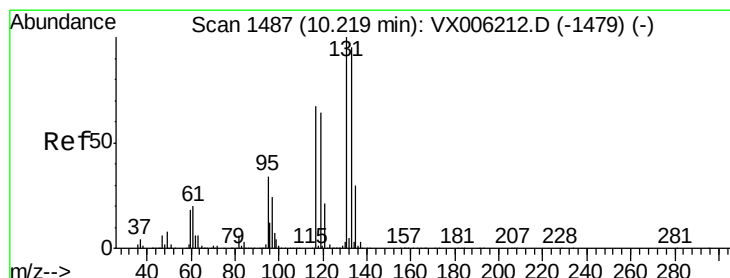
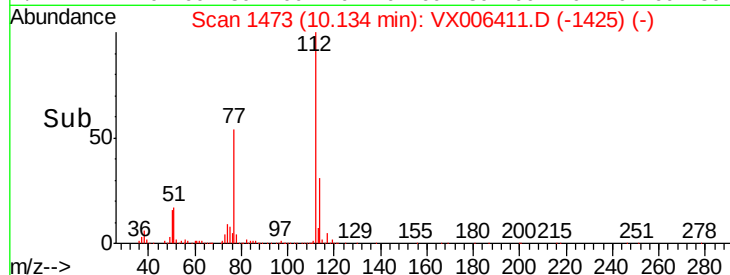
400000

200000

0

10.10 10.20 10.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.189 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

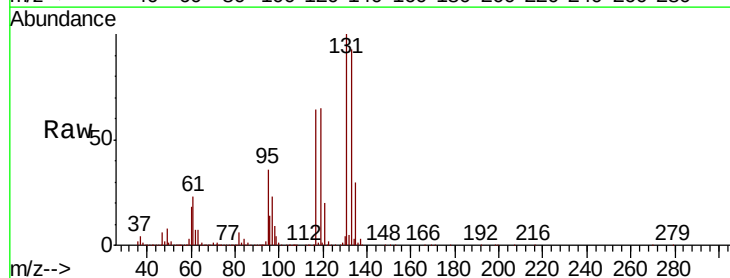
Tgt Ion:131 Resp: 351372

Ion Ratio Lower Upper

131 100

133 94.7 48.1 144.4

119 64.8 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

300000

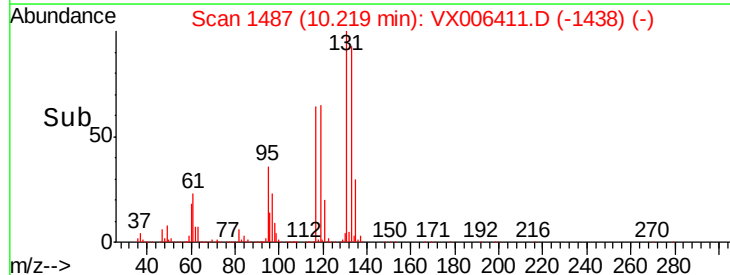
200000

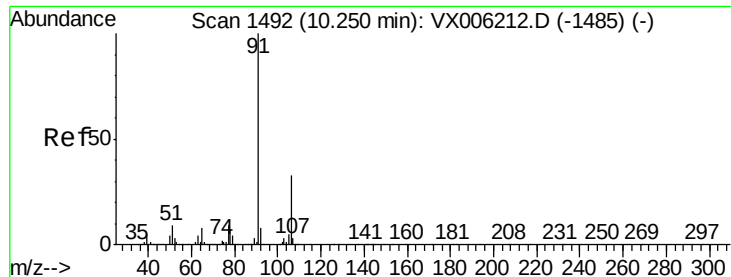
100000

0

10.20 10.30

Time-->





#67

Ethyl Benzene

Concen: 52.353 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1568990

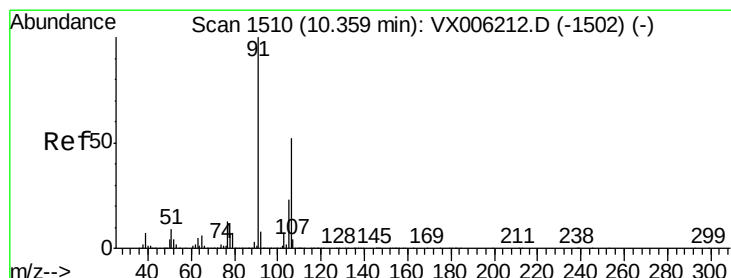
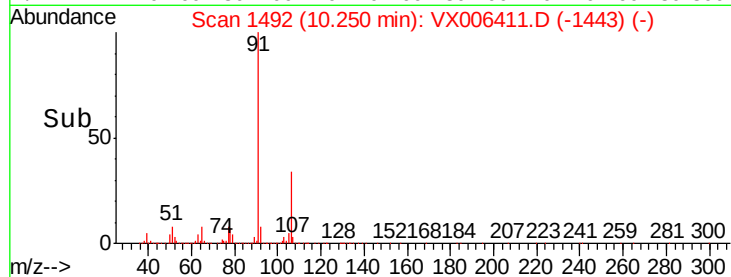
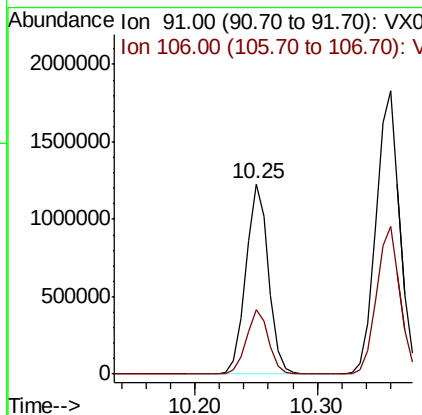
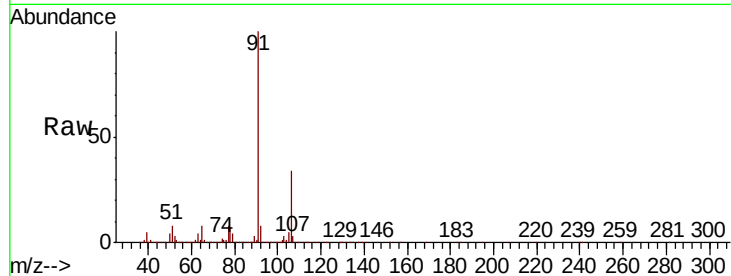
Ion Ratio Lower Upper

91 100

106 33.7 26.5 39.7

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#68

m/p-Xylenes

Concen: 105.661 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006411.D

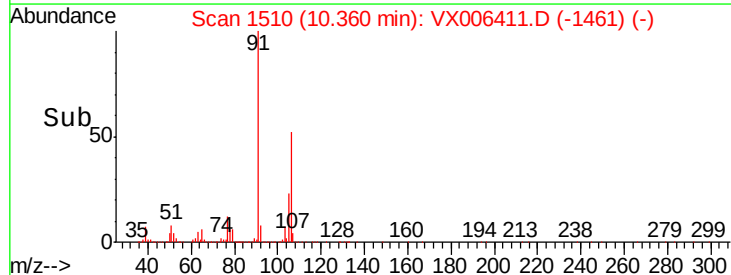
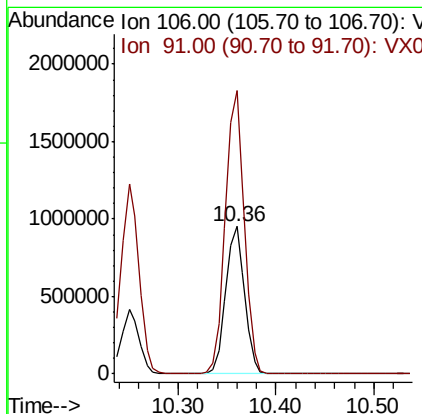
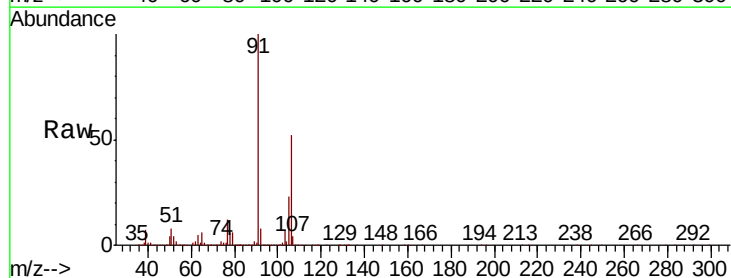
Acq: 11 Dec 2018 10:47

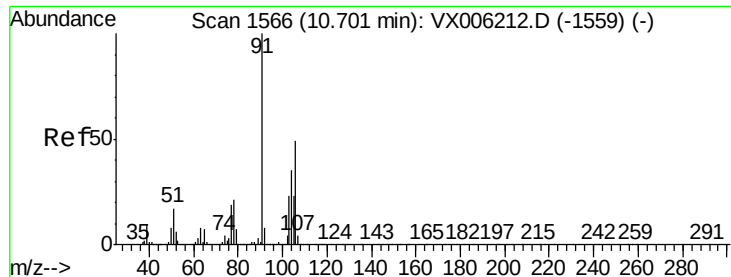
Tgt Ion: 106 Resp: 1268445

Ion Ratio Lower Upper

106 100

91 193.6 155.2 232.8





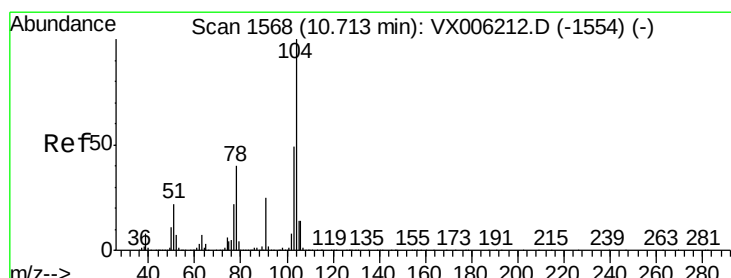
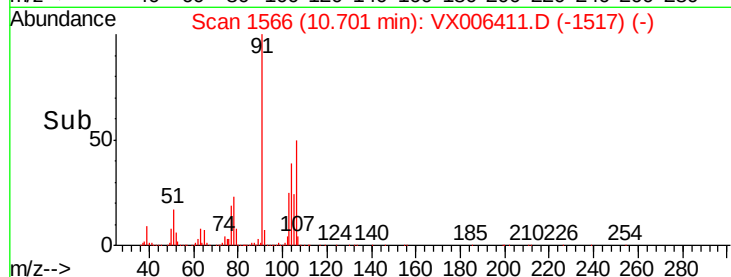
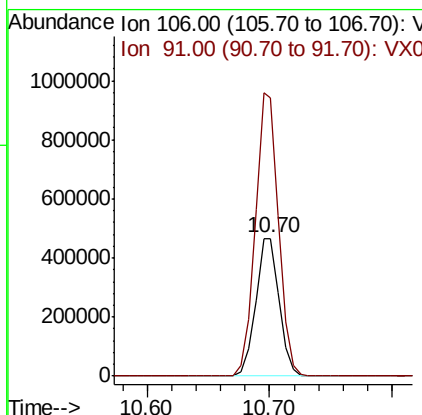
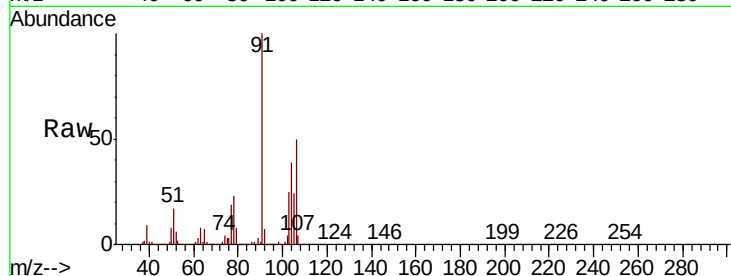
#69
o-Xylene
Concen: 52.759 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.0	101.8	305.6

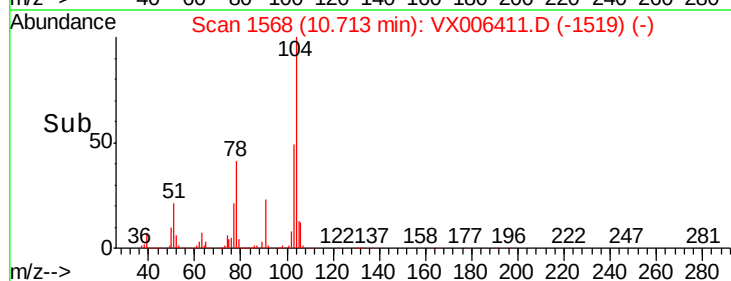
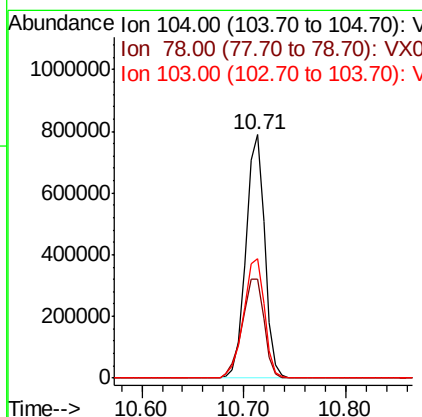
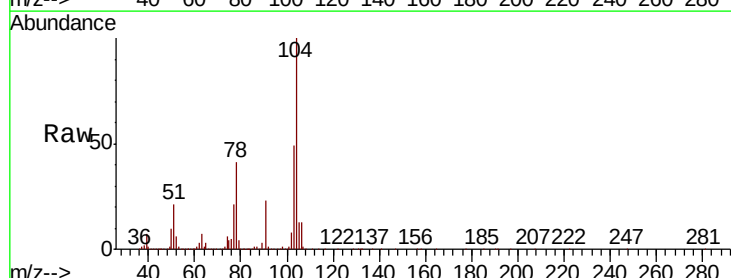
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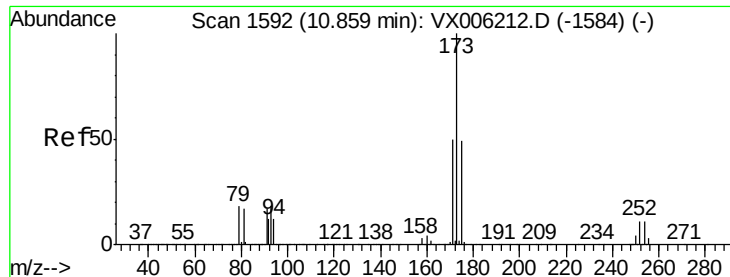
MMDadoda
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#70
Styrene
Concen: 52.837 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.2	55.8
103	54.4	43.5	65.3





#71

Bromoform

Concen: 44.022 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 290933
Ion Ratio Lower Upper

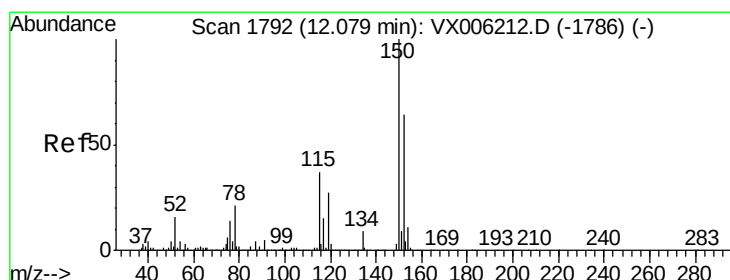
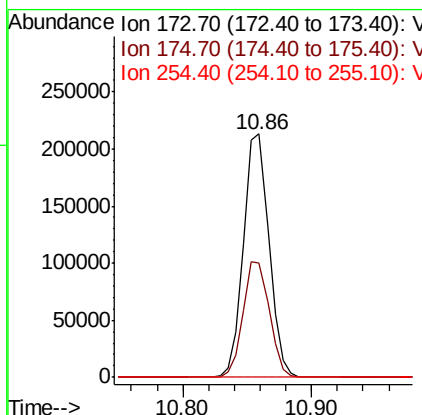
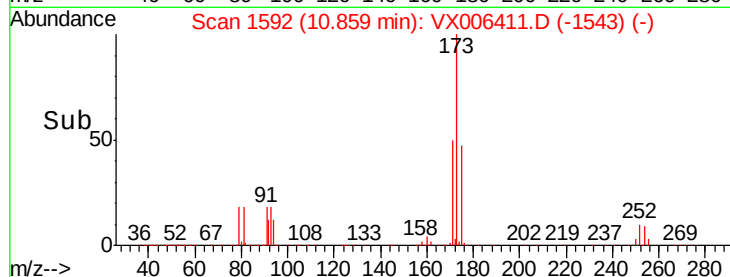
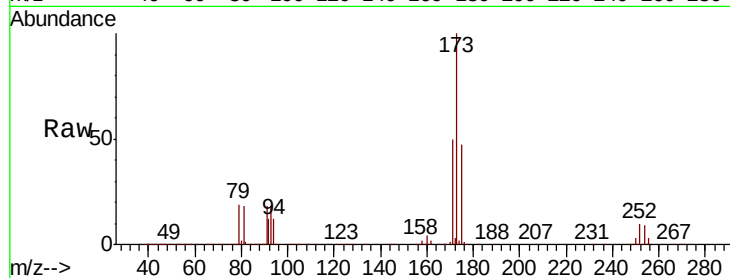
173 100

175 49.1 24.6 73.8

254 0.1 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006411.D

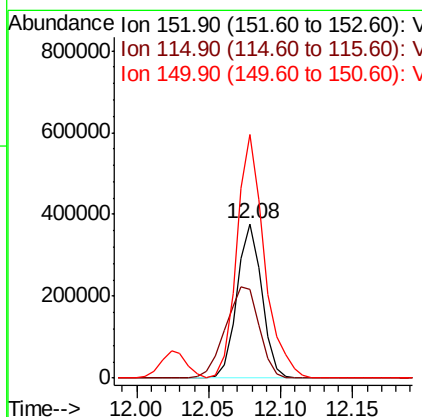
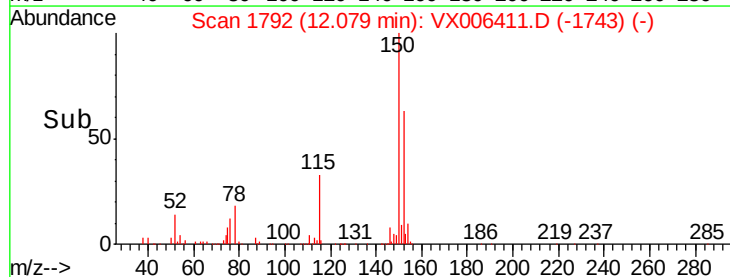
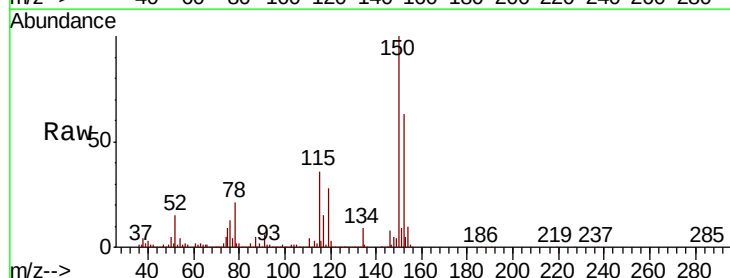
Acq: 11 Dec 2018 10:47

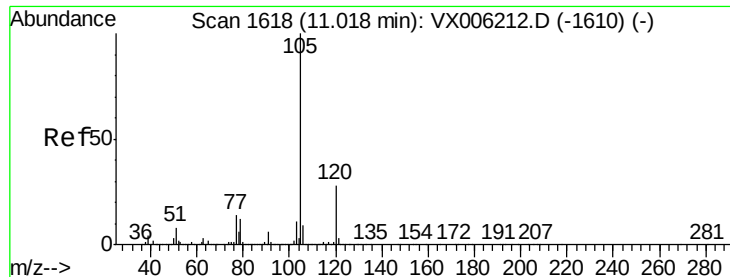
Tgt Ion:152 Resp: 453632
Ion Ratio Lower Upper

152 100

115 80.6 39.0 116.9

150 174.3 0.0 345.8





#73

Isopropylbenzene

Concen: 53.439 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1674096

Ion Ratio Lower Upper

105 100

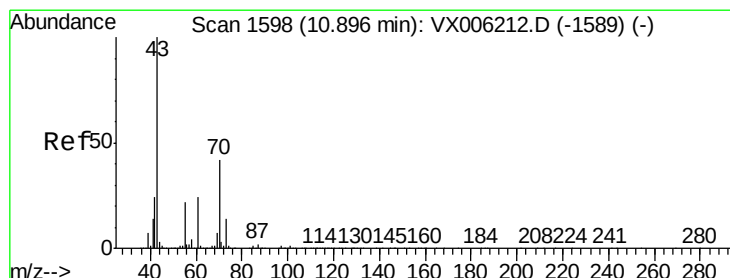
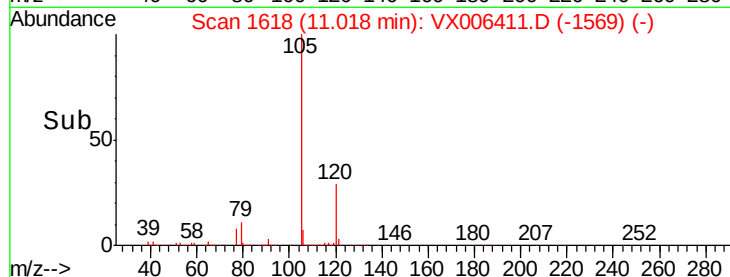
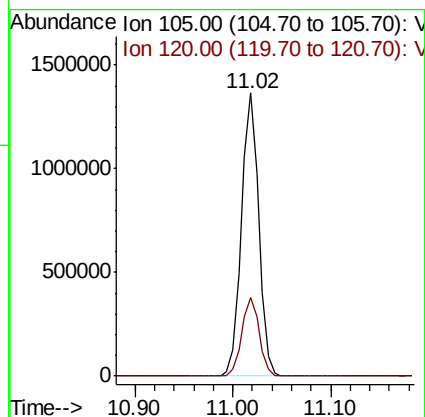
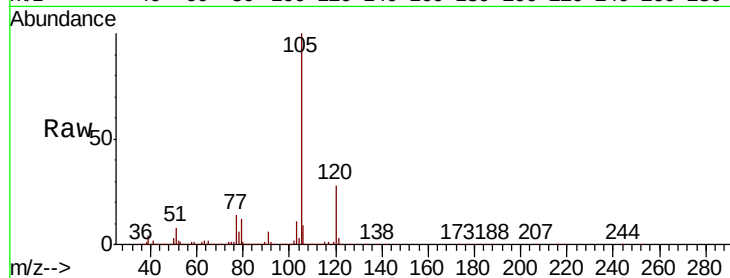
120 28.0 14.1 42.3

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#74

N-ethyl acetate

Concen: 45.696 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Tgt Ion: 43 Resp: 616441

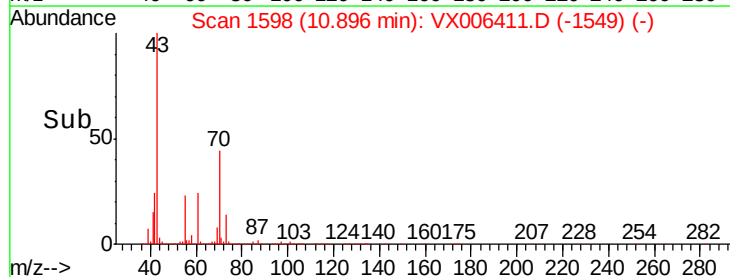
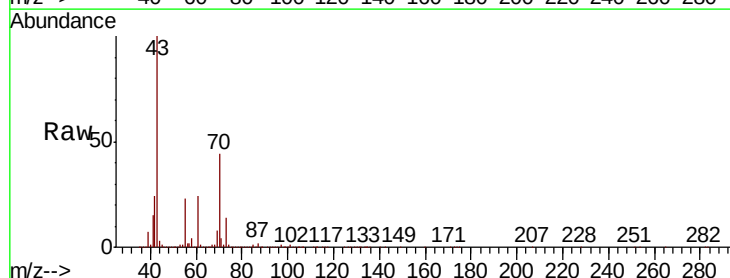
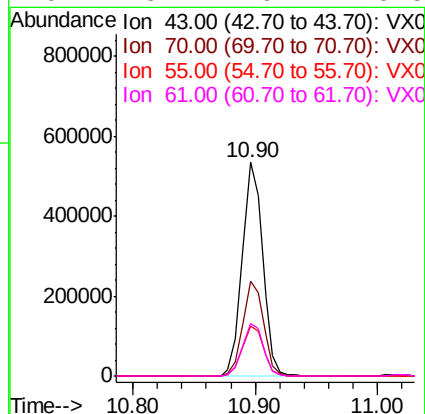
Ion Ratio Lower Upper

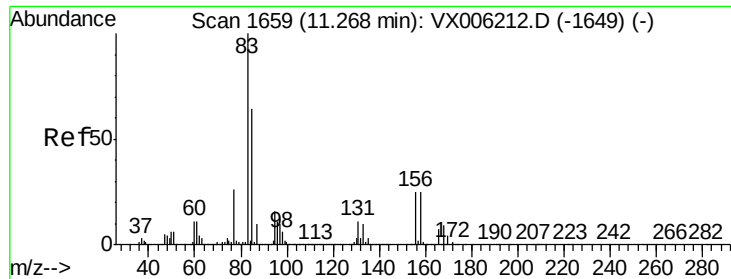
43 100

70 44.9 34.1 51.1

55 24.1 17.8 26.8

61 25.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.010 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

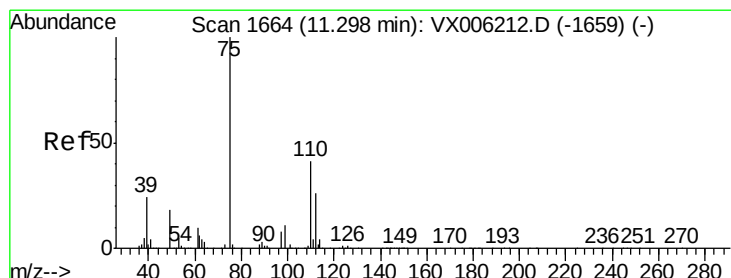
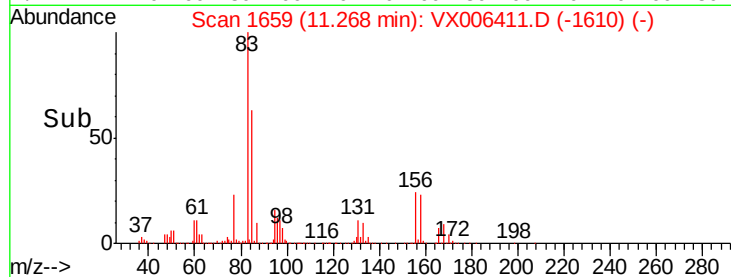
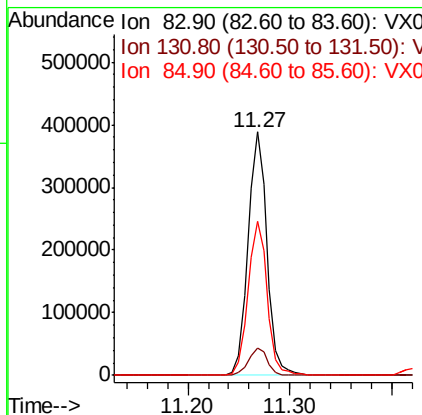
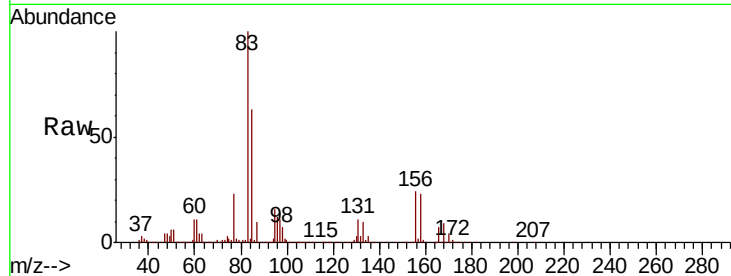
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	501210
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	64.0	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 53.487 ug/l m

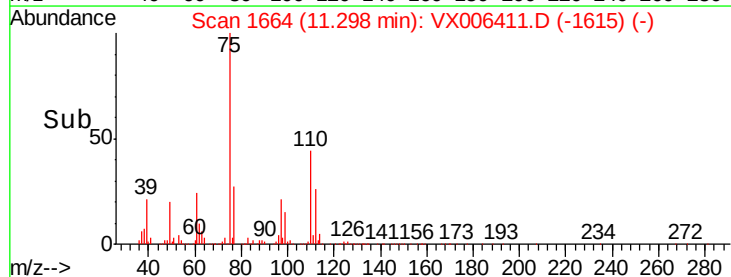
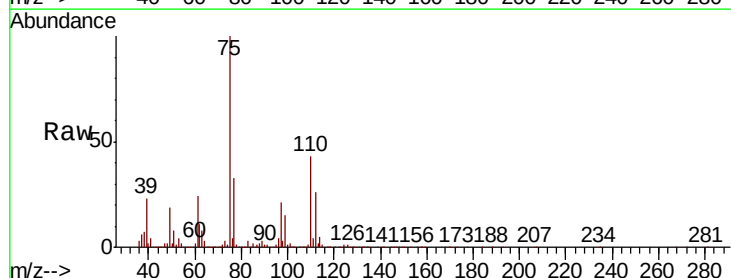
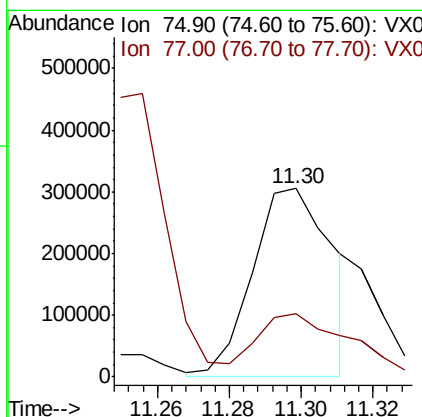
RT: 11.30 min Scan# 1664

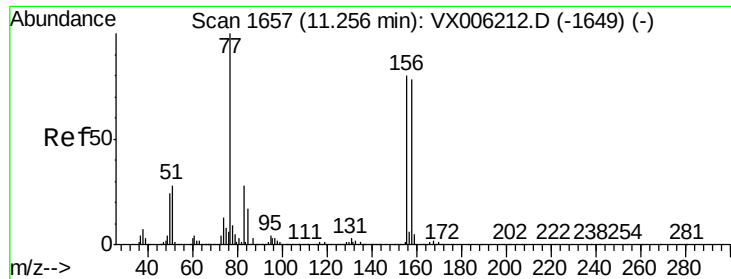
Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Tgt Ion:	75	Resp:	468320
Ion Ratio	Lower	Upper	
75	100		
77	39.1	19.9	59.7





#77

Bromobenzene

Concen: 51.228 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

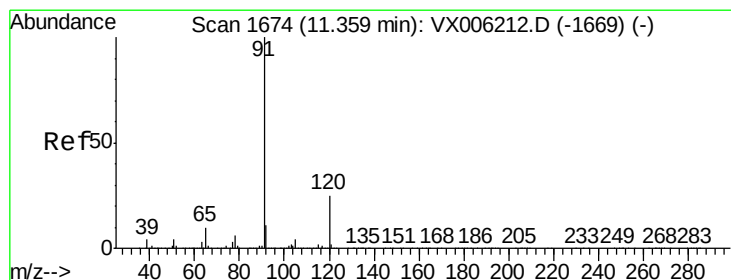
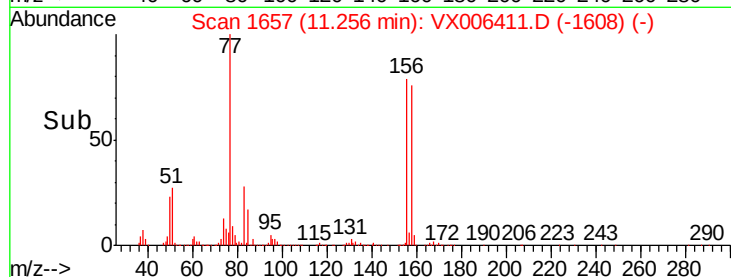
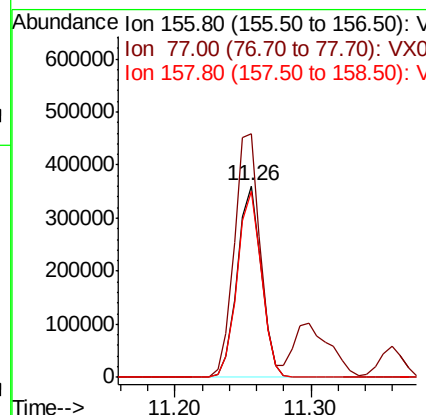
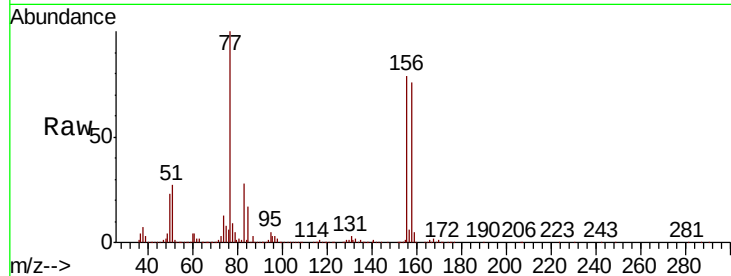
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	445366
Ion Ratio	Lower	Upper	
156	100		
77	136.8	66.2	198.6
158	97.7	48.8	146.4

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12/12/2018 10:39:48 AM



#78

n-propylbenzene

Concen: 54.065 ug/l

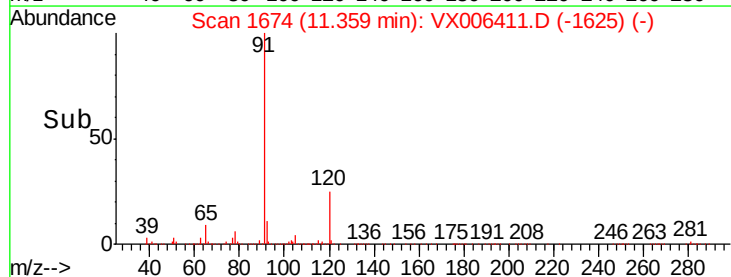
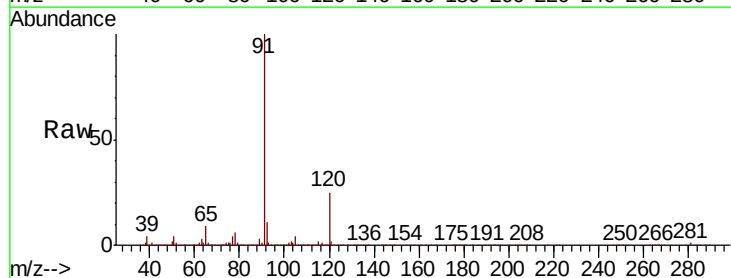
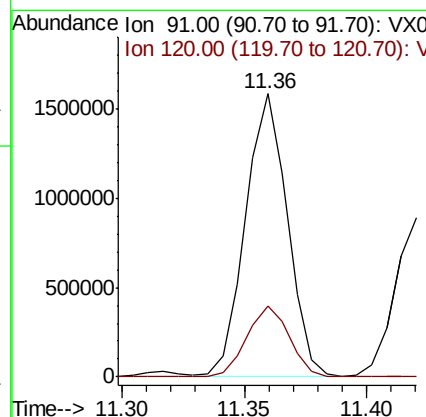
RT: 11.36 min Scan# 1674

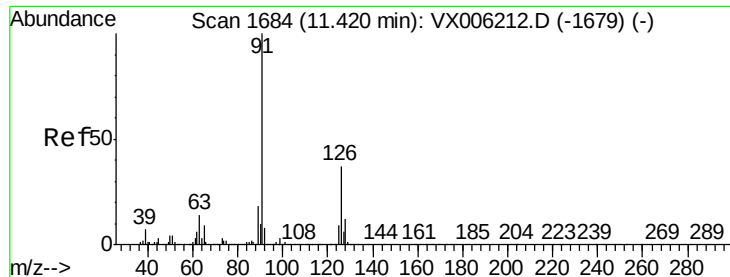
Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Tgt Ion:	91	Resp:	1882708
Ion Ratio	Lower	Upper	
91	100		
120	25.4	12.7	38.0





#79

2-Chlorotoluene

Concen: 52.744 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1091676

Ion Ratio Lower Upper

91 100

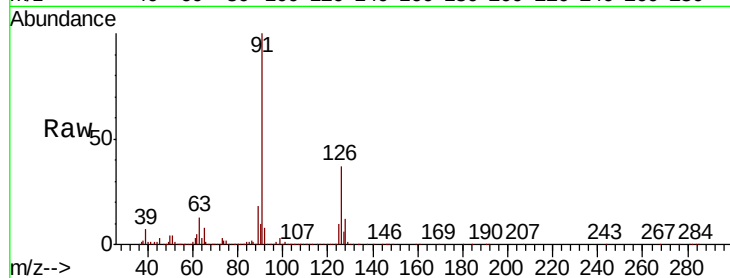
126 37.5 18.6 56.0

Manual Integrations

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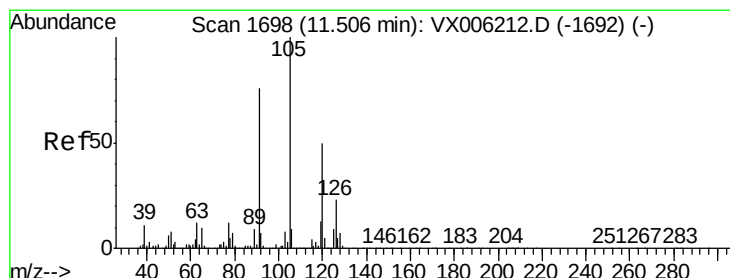
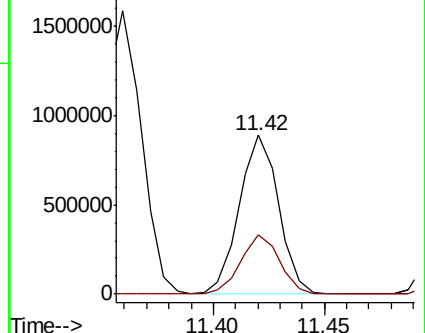
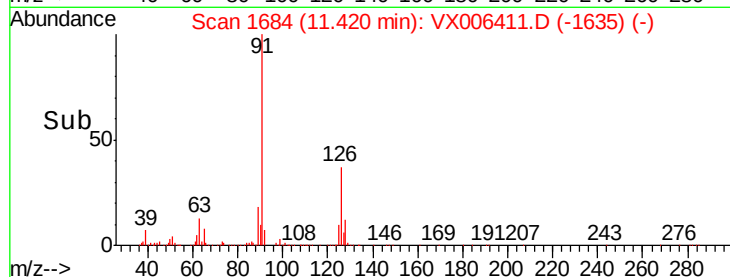
MMDadoda

12/12/2018 10:39:48 AM



Abundance Ion 91.00 (90.70 to 91.70): VX006411.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX006411.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.090 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006411.D

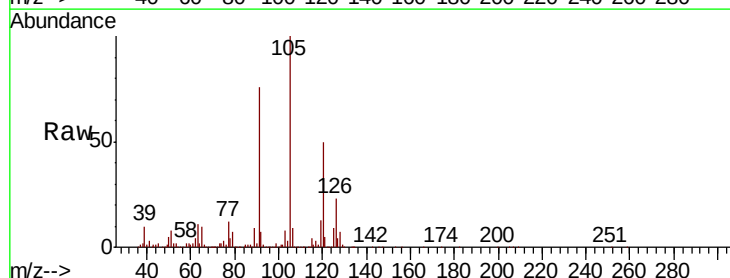
Acq: 11 Dec 2018 10:47

Tgt Ion: 105 Resp: 1383792

Ion Ratio Lower Upper

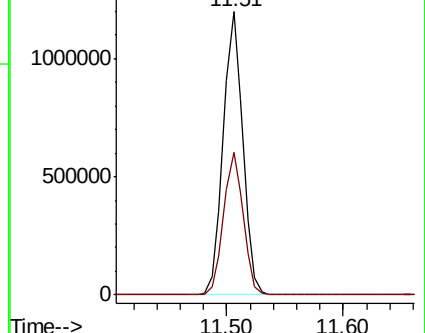
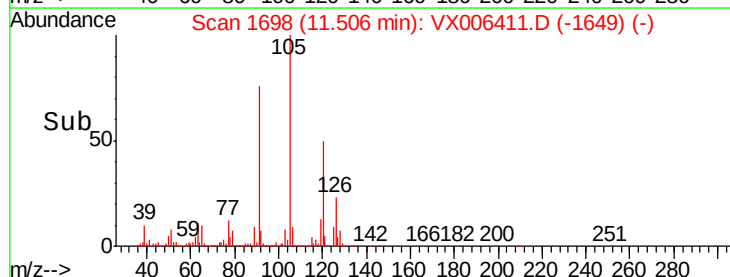
105 100

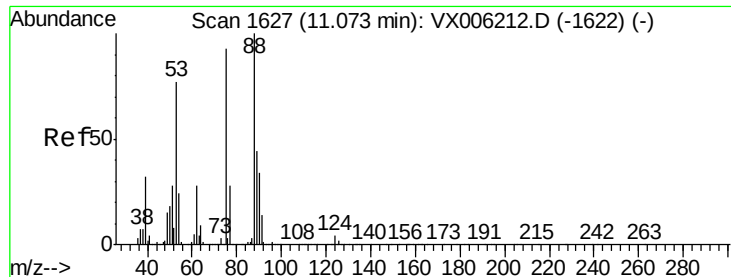
120 50.3 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VX006411.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX006411.D (-1649) (-)





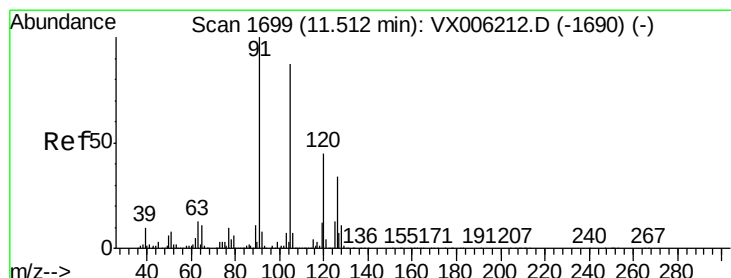
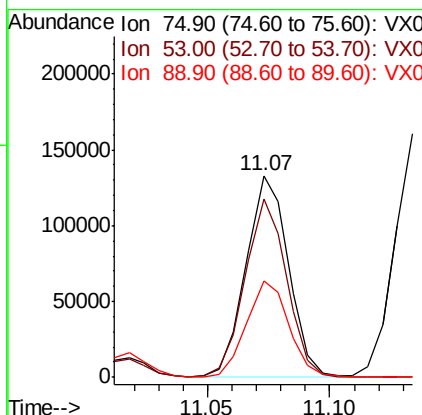
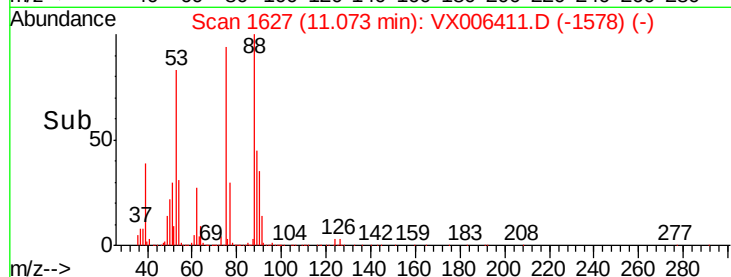
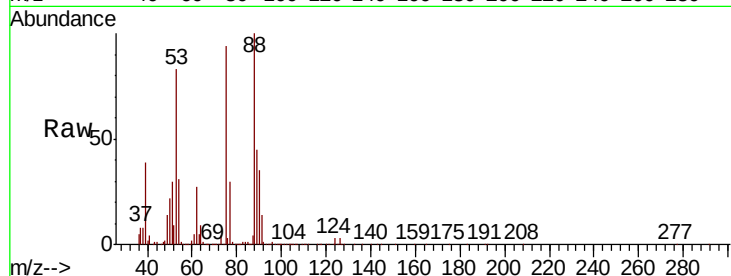
#81
trans-1,4-Dichloro-2-butene
Concen: 42.957 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.5	64.4	96.6
89	48.6	44.2	66.4

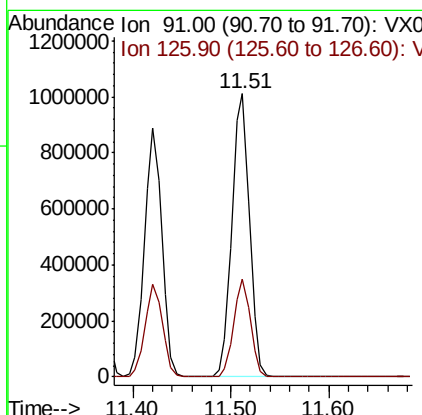
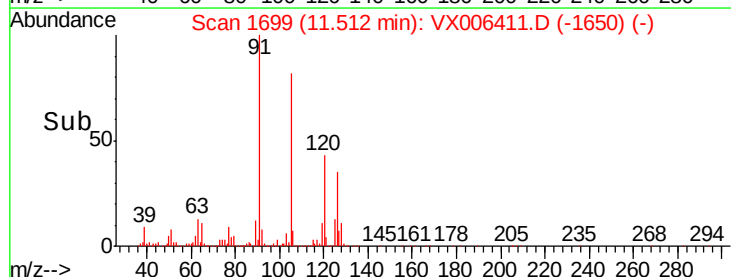
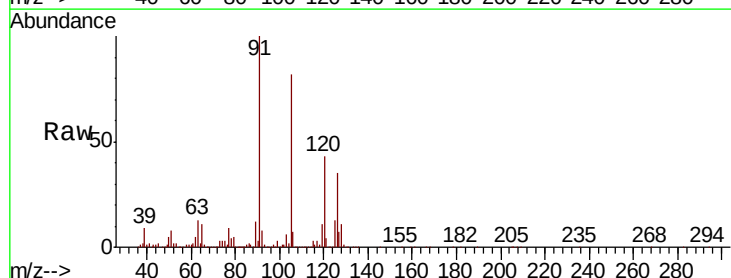
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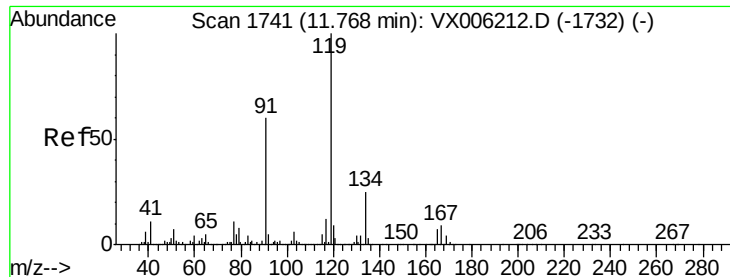
MMDadoda
12/12/2018 10:39:48 AM



#82
4-Chlorotoluene
Concen: 52.536 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.4





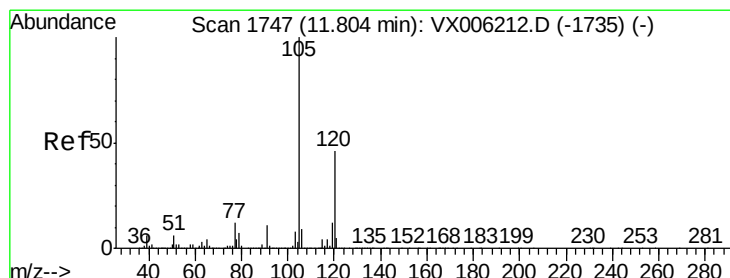
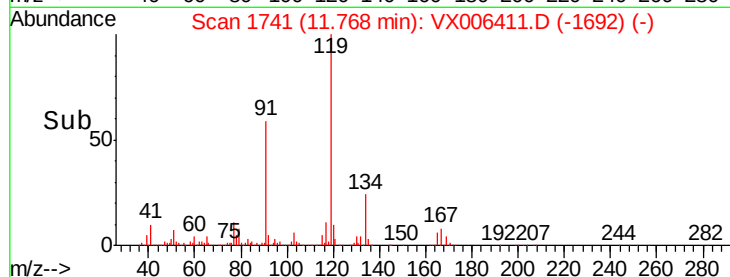
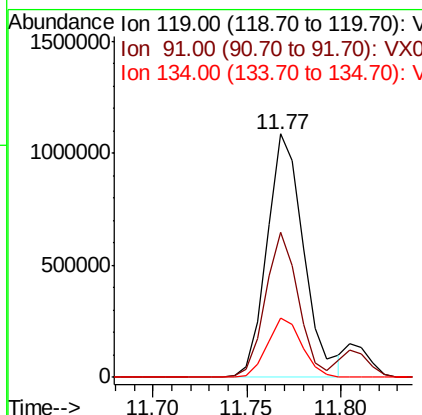
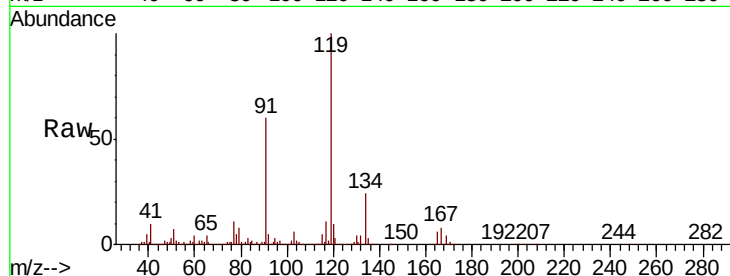
#83
 tert-Butylbenzene
 Concen: 52.725 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.6	26.4	79.2
134	23.0	11.6	34.7

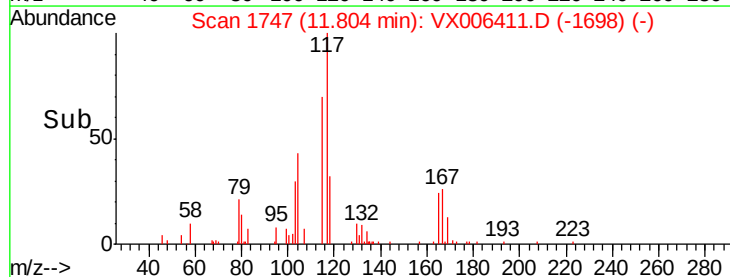
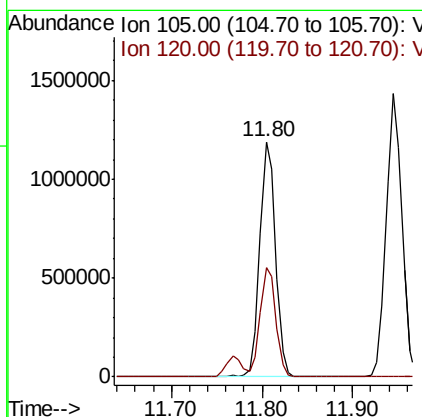
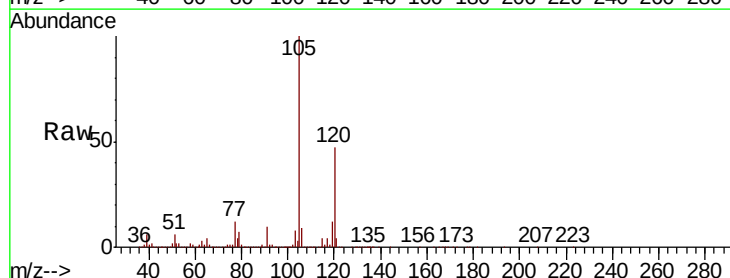
Manual Integrations
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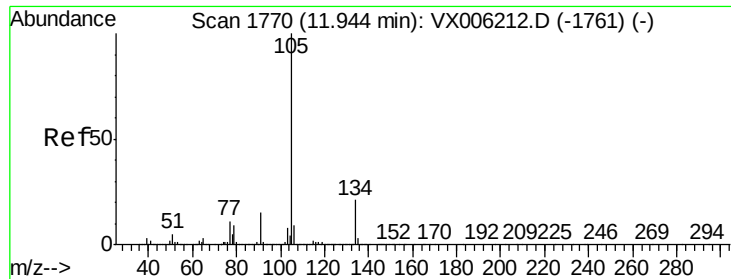
MMDadoda
 12/12/2018 10:39:48 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.160 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.4	70.0





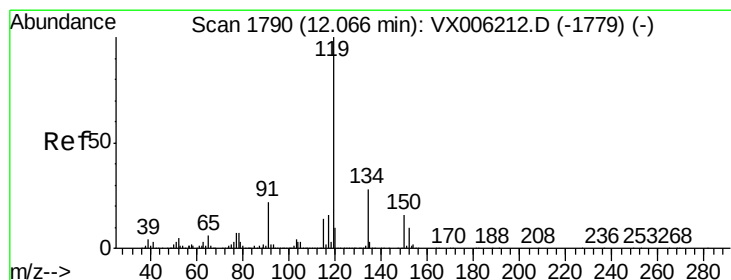
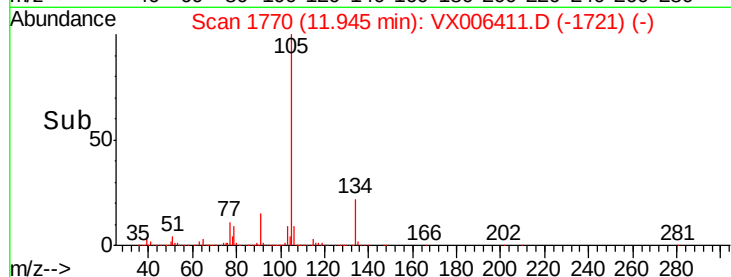
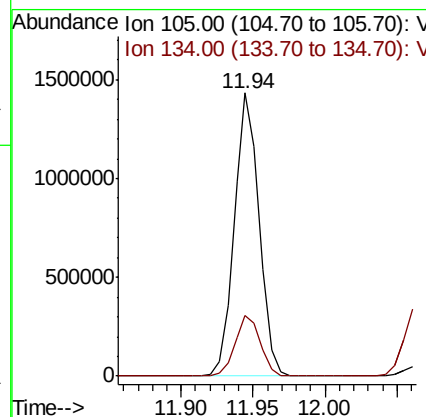
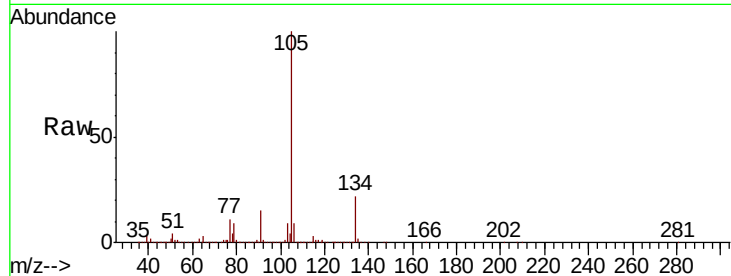
#85
 sec-Butylbenzene
 Concen: 54.650 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1729039
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.8 32.4

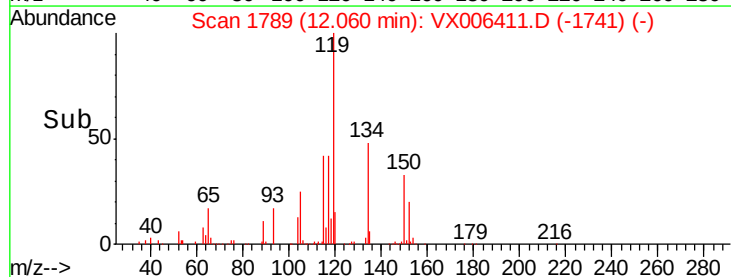
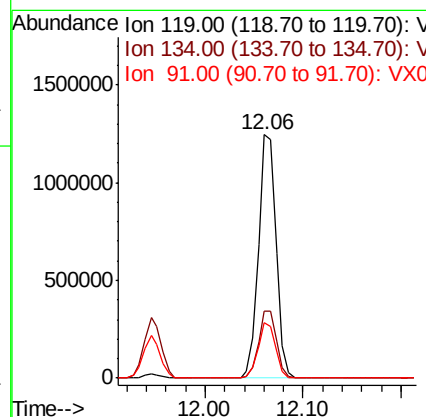
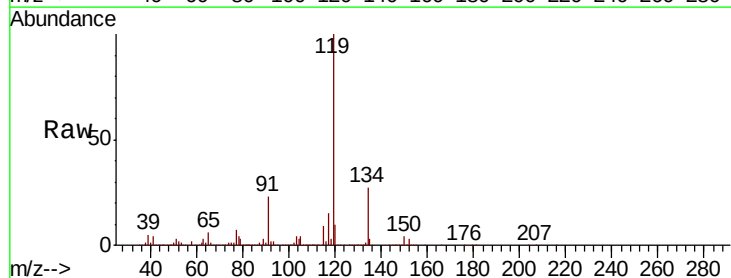
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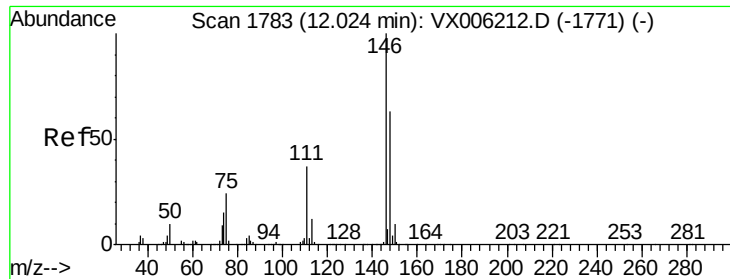
MMDadoda
 12/12/2018 10:39:48 AM



#86
 p-Isopropyltoluene
 Concen: 54.469 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Tgt Ion:119 Resp: 1551793
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.9 41.6
 91 22.5 11.3 33.8





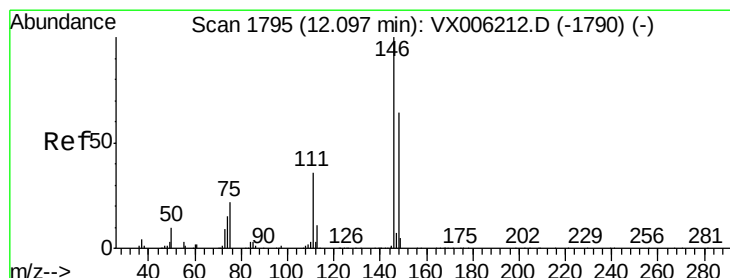
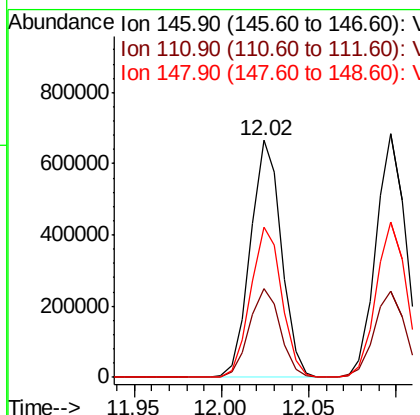
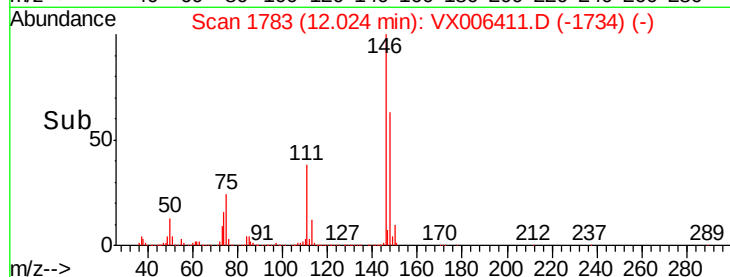
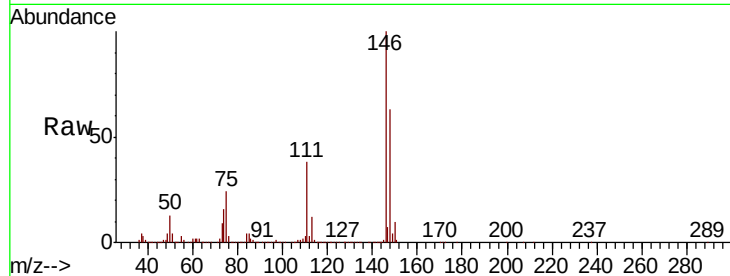
#87
 1,3-Dichlorobenzene
 Concen: 53.048 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.2
148	63.8	32.0	96.0

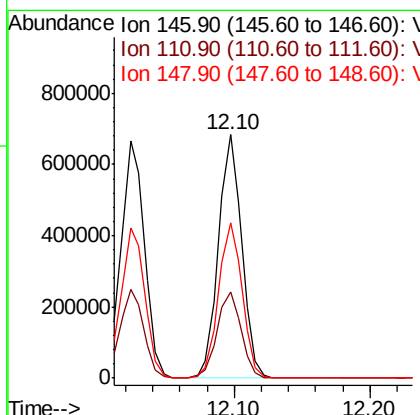
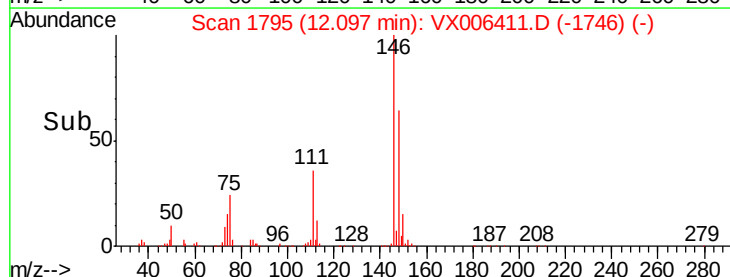
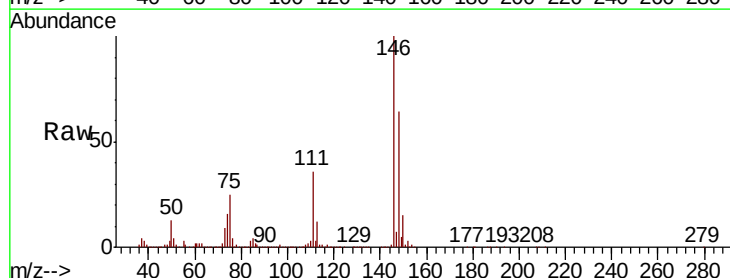
Manual Integrations
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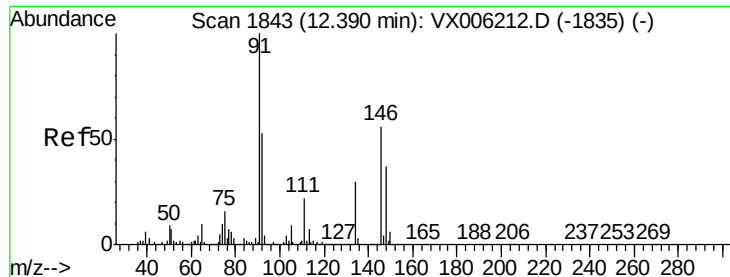
MMDadoda
 12/12/2018 10:39:48 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.727 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.8
148	64.8	31.9	95.9





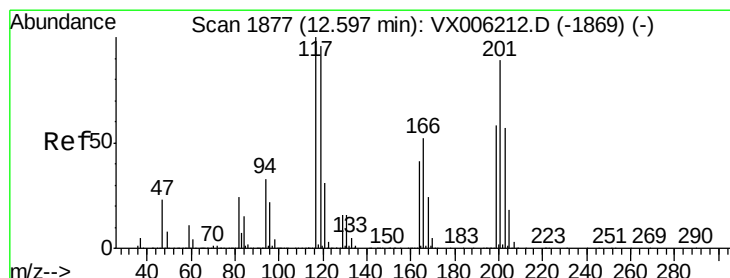
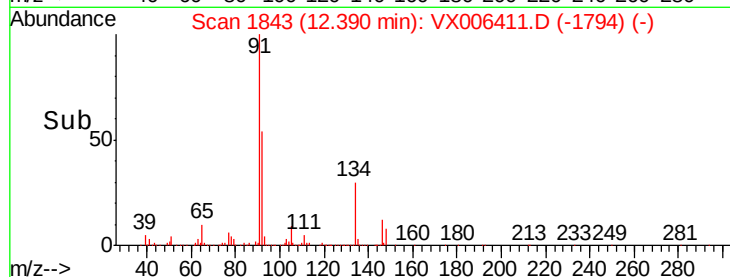
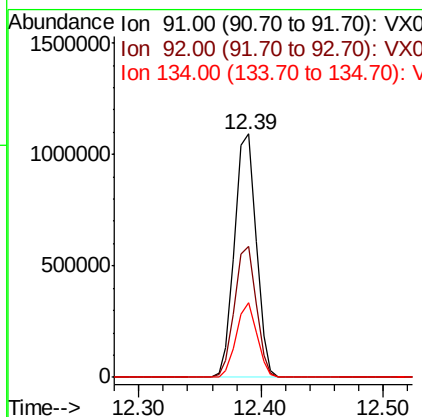
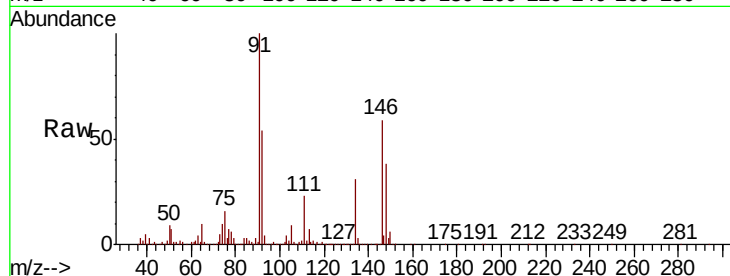
#89
n-Butylbenzene
Concen: 54.944 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.6	79.8
134	29.4	14.8	44.3

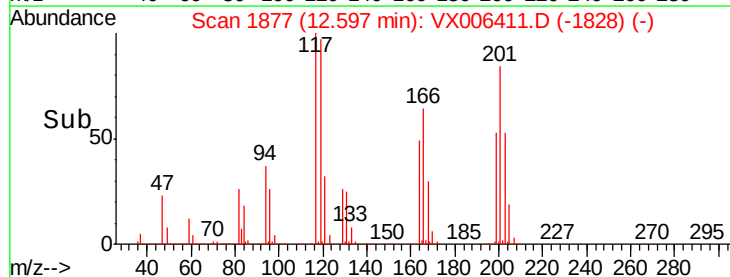
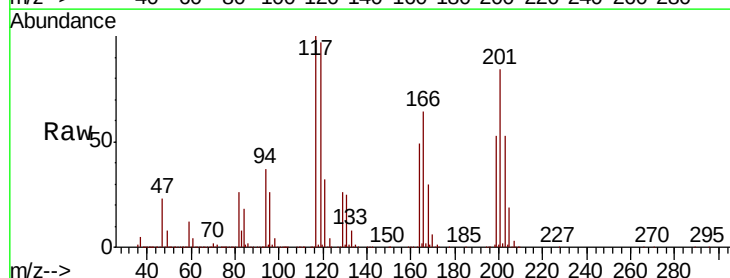
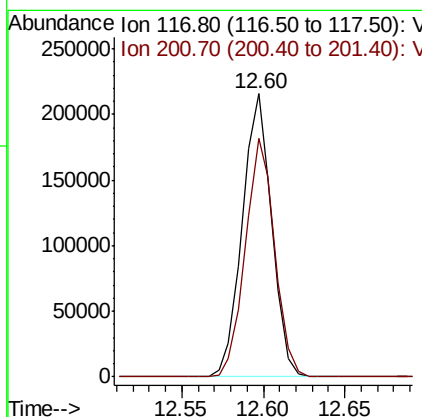
Manual Integrations
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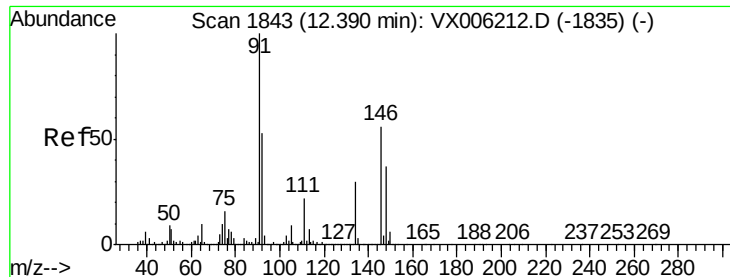
MMDadoda
12/12/2018 10:39:48 AM



#90
Hexachloroethane
Concen: 46.615 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006411.D
Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	44.7	134.1





#91

1,2-Dichlorobenzene

Concen: 51.835 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

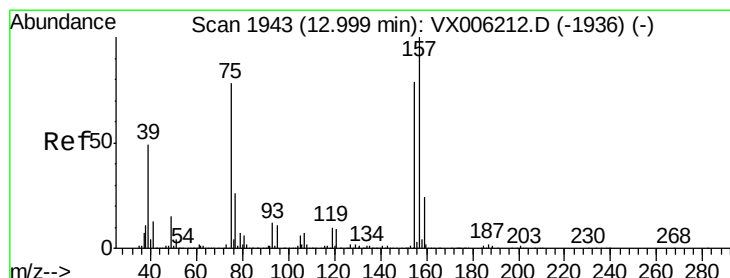
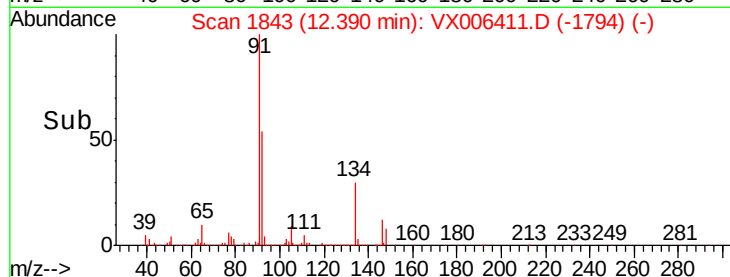
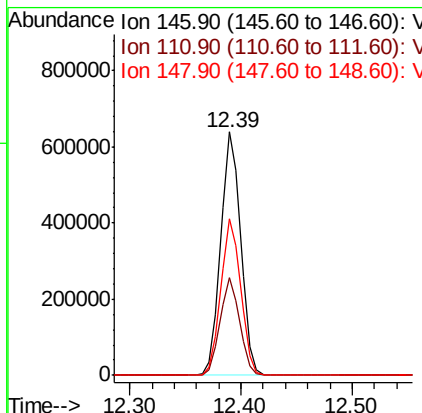
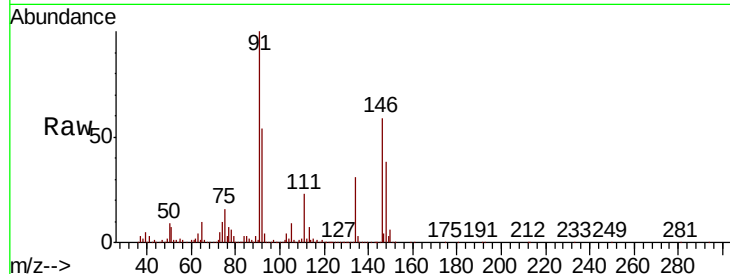
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	795826
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.1	57.3
148	63.6	32.1	96.3

Manual Integrations
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MMDadoda
12/12/2018 10:39:48 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.725 ug/l

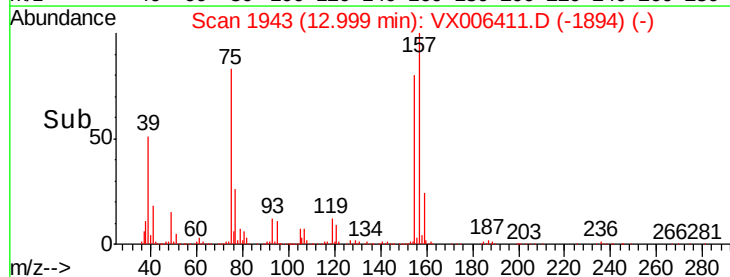
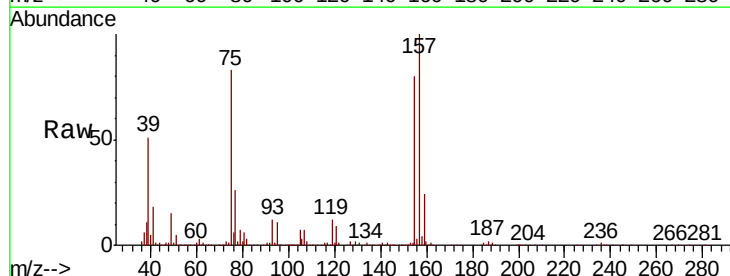
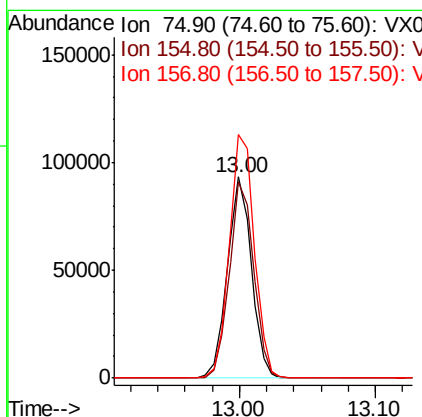
RT: 13.00 min Scan# 1943

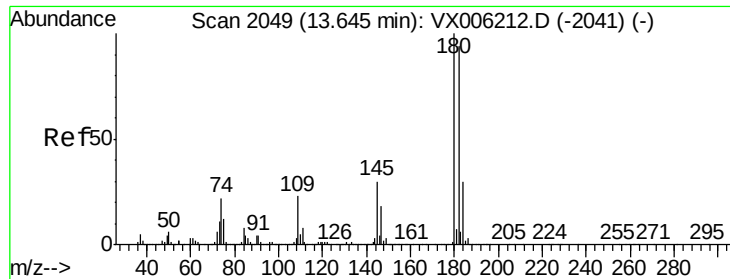
Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Tgt Ion:	75	Resp:	114905
Ion Ratio	Lower	Upper	
75	100		
155	98.9	53.4	160.3
157	126.0	68.0	203.8





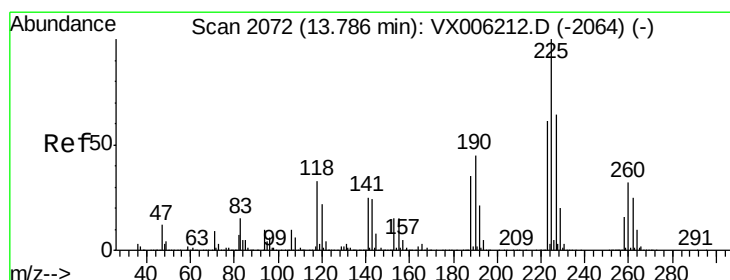
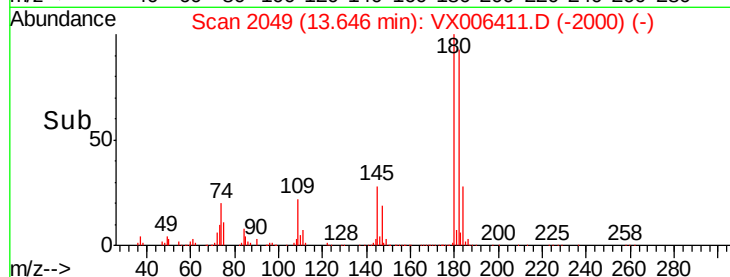
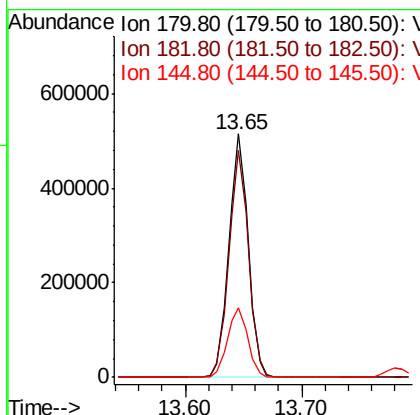
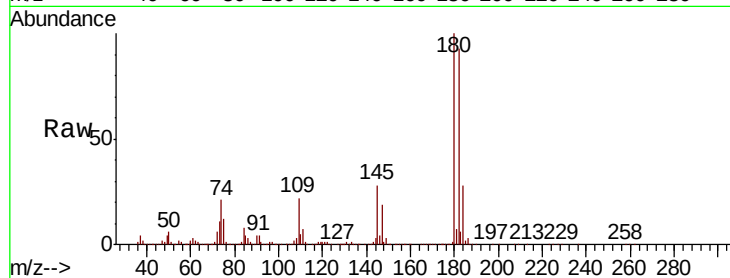
#93
 1,2,4-Trichlorobenzene
 Concen: 52.870 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	592193		
182	94.3	47.3	141.9	
145	29.7	14.6	43.8	

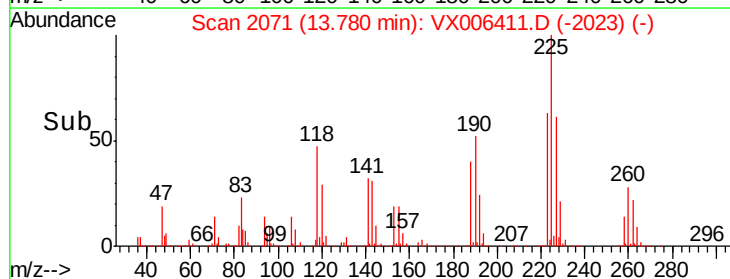
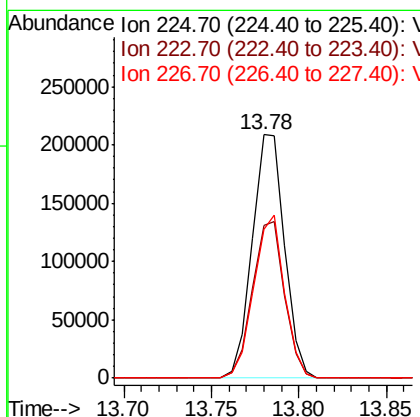
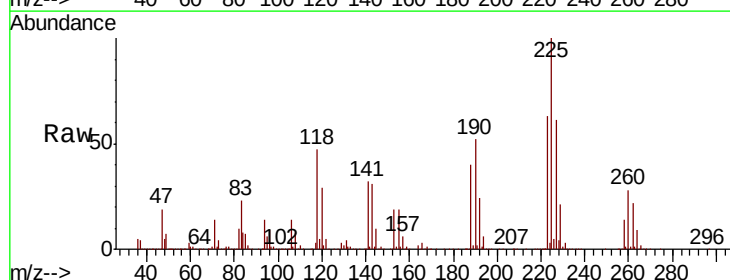
Manual Integrations
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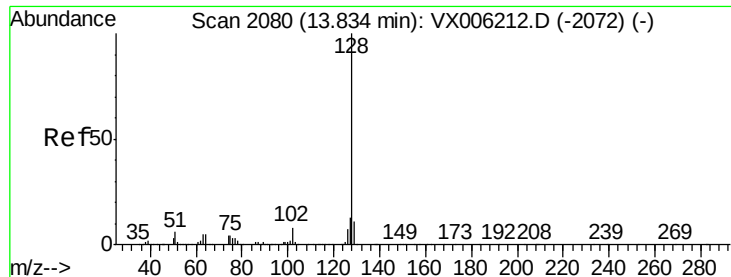
MMDadoda
 12/12/2018 10:39:48 AM



#94
 Hexachlorobutadiene
 Concen: 54.236 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006411.D
 Acq: 11 Dec 2018 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	268657		
223	63.9	31.2	93.6	
227	63.5	31.9	95.5	





#95

Naphthalene

Concen: 51.470 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Instrument :

MSVOA_X

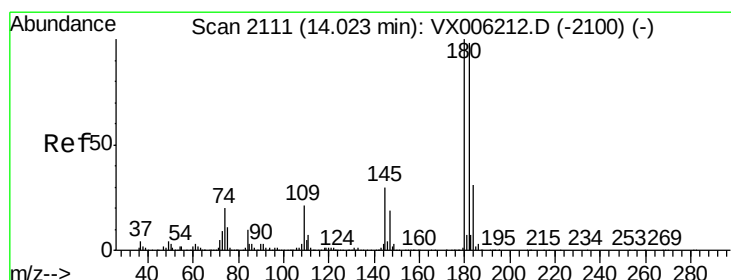
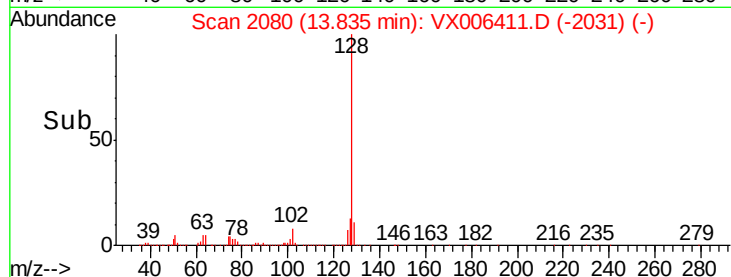
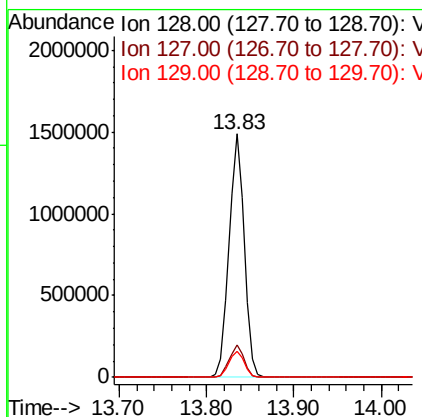
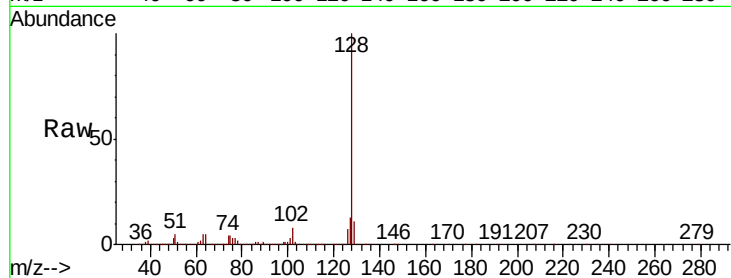
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1793321
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/12/2018 10:39:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.618 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006411.D

Acq: 11 Dec 2018 10:47

Tgt Ion:	180	Resp:	583754
Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.4	145.2
145	32.0	15.6	46.8

