

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010919\
 Data File : VX006956.D
 Acq On : 09 Jan 2019 10:17
 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
 1/10/2019 10:54:03 AM

Quant Time: Jan 10 01:05:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	681320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	975389	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	893040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	470723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	375938	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
35) Dibromofluoromethane	5.50	113	346683	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	
50) Toluene-d8	8.71	98	1305274	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	
62) 4-Bromofluorobenzene	11.14	95	465569	58.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	328926	58.789	ug/l	99
3) Chloromethane	1.33	50	345019	52.971	ug/l	96
4) Vinyl Chloride	1.41	62	366648	52.331	ug/l	100
5) Bromomethane	1.64	94	349492	46.689	ug/l	100
6) Chloroethane	1.71	64	232201	47.464	ug/l	99
7) Trichlorofluoromethane	1.92	101	578246	51.079	ug/l	99
8) Diethyl Ether	2.19	74	220266	48.906	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	349982	51.638	ug/l	100
10) Methyl Iodide	2.51	142	522206	57.119	ug/l	99
11) Tert butyl alcohol	3.08	59	415517	247.383	ug/l	99
12) 1,1-Dichloroethene	2.37	96	317537	50.710	ug/l	98
13) Acrolein	2.29	56	191824	264.619	ug/l	98
14) Allyl chloride	2.73	41	559376	52.124	ug/l	99
15) Acrylonitrile	3.15	53	967438	250.900	ug/l	99
16) Acetone	2.45	43	990354	281.344	ug/l	99
17) Carbon Disulfide	2.57	76	857389	53.182	ug/l	100
18) Methyl Acetate	2.78	43	485565	47.633	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	1092738	50.278	ug/l	100
20) Methylene Chloride	2.85	84	352808	52.726	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	342041	49.016	ug/l	99
22) Diisopropyl ether	3.87	45	1026333	50.871	ug/l	99
23) Vinyl Acetate	3.82	43	4427092	260.198	ug/l	99
24) 1,1-Dichloroethane	3.70	63	596021	52.832	ug/l	99
25) 2-Butanone	4.70	43	1334785	265.010	ug/l	98
26) 2,2-Dichloropropane	4.58	77	479087	55.227	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	381843	49.609	ug/l	98
28) Bromochloromethane	5.02	49	240235	48.604	ug/l	97
29) Tetrahydrofuran	5.15	42	823859	251.694	ug/l	97
30) Chloroform	5.21	83	595200	50.392	ug/l	99
31) Cyclohexane	5.57	56	526899	52.476	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	533075	53.246	ug/l	99
36) 1,1-Dichloropropene	5.80	75	454497	53.595	ug/l	100
37) Ethyl Acetate	4.85	43	484873	53.332	ug/l	98
38) Carbon Tetrachloride	5.78	117	475093	55.683	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	592330	54.790	ug/l	98
40) Benzene	6.14	78	1349252	52.144	ug/l	99
41) Methacrylonitrile	5.06	41	265462	50.685	ug/l	98
42) 1,2-Dichloroethane	6.20	62	454006	50.774	ug/l	99
43) Isopropyl Acetate	6.46	43	784485	54.703	ug/l	98
44) Trichloroethene	7.21	130	404626	52.183	ug/l	96
45) 1,2-Dichloropropane	7.51	63	341067	52.430	ug/l	99
46) Dibromomethane	7.66	93	244444	53.467	ug/l	98
47) Bromodichloromethane	7.90	83	443507	56.991	ug/l	95
48) Methyl methacrylate	7.77	41	396833	53.885	ug/l	96
49) 1,4-Dioxane	7.75	88	182643	1086.726	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2495850	270.812	ug/l	99
52) Toluene	8.79	92	888243	53.408	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	508130	58.884	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	548894	57.599	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	354361	53.233	ug/l	98
56) Ethyl methacrylate	9.18	69	538823	55.445	ug/l	96
57) 1,3-Dichloropropane	9.37	76	578024	53.002	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1475360	295.270	ug/l	98
59) 2-Hexanone	9.49	43	1983041	282.354	ug/l	98
60) Dibromochloromethane	9.59	129	391658	60.591	ug/l	99
61) 1,2-Dibromoethane	9.67	107	394273	53.800	ug/l	99
64) Tetrachloroethene	9.34	164	397856	51.458	ug/l	95
65) Chlorobenzene	10.14	112	1025852	52.668	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	371430	56.687	ug/l	99
67) Ethyl Benzene	10.25	91	1711334	53.221	ug/l	99
68) m/p-Xylenes	10.36	106	1374360	108.485	ug/l	99
69) o-Xylene	10.70	106	659493	53.378	ug/l	97
70) Styrene	10.71	104	1065665	54.460	ug/l	99
71) Bromoform	10.86	173	301771	51.338	ug/l	99
73) Isopropylbenzene	11.02	105	1771960	53.384	ug/l	99
74) N-amyl acetate	10.90	43	705978	52.827	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	527529	50.062	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	489822m	51.349	ug/l	
77) Bromobenzene	11.26	156	468492	51.225	ug/l	99
78) n-propylbenzene	11.36	91	1994097	54.725	ug/l	99
79) 2-Chlorotoluene	11.42	91	1142844	52.103	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1462020	52.714	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	164987	52.031	ug/l	94
82) 4-Chlorotoluene	11.51	91	1348229	53.087	ug/l	99
83) tert-Butylbenzene	11.77	119	1488689	53.798	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1491590	53.481	ug/l	100
85) sec-Butylbenzene	11.94	105	1783558	53.969	ug/l	100
86) p-Isopropyltoluene	12.06	119	1609761	54.457	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	851548	51.512	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	854520	54.545	ug/l	100
89) n-Butylbenzene	12.39	91	1421541	56.412	ug/l	99
90) Hexachloroethane	12.60	117	263128	55.423	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	831885	50.994	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	116054	55.686	ug/l	99

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ClientSampleId :
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Manual Integrations
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QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	608725	54.388	ug/l	99
94) Hexachlorobutadiene	13.79	225	274882	55.345	ug/l	98
95) Naphthalene	13.83	128	1809595	53.357	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	591388	53.191	ug/l	99

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

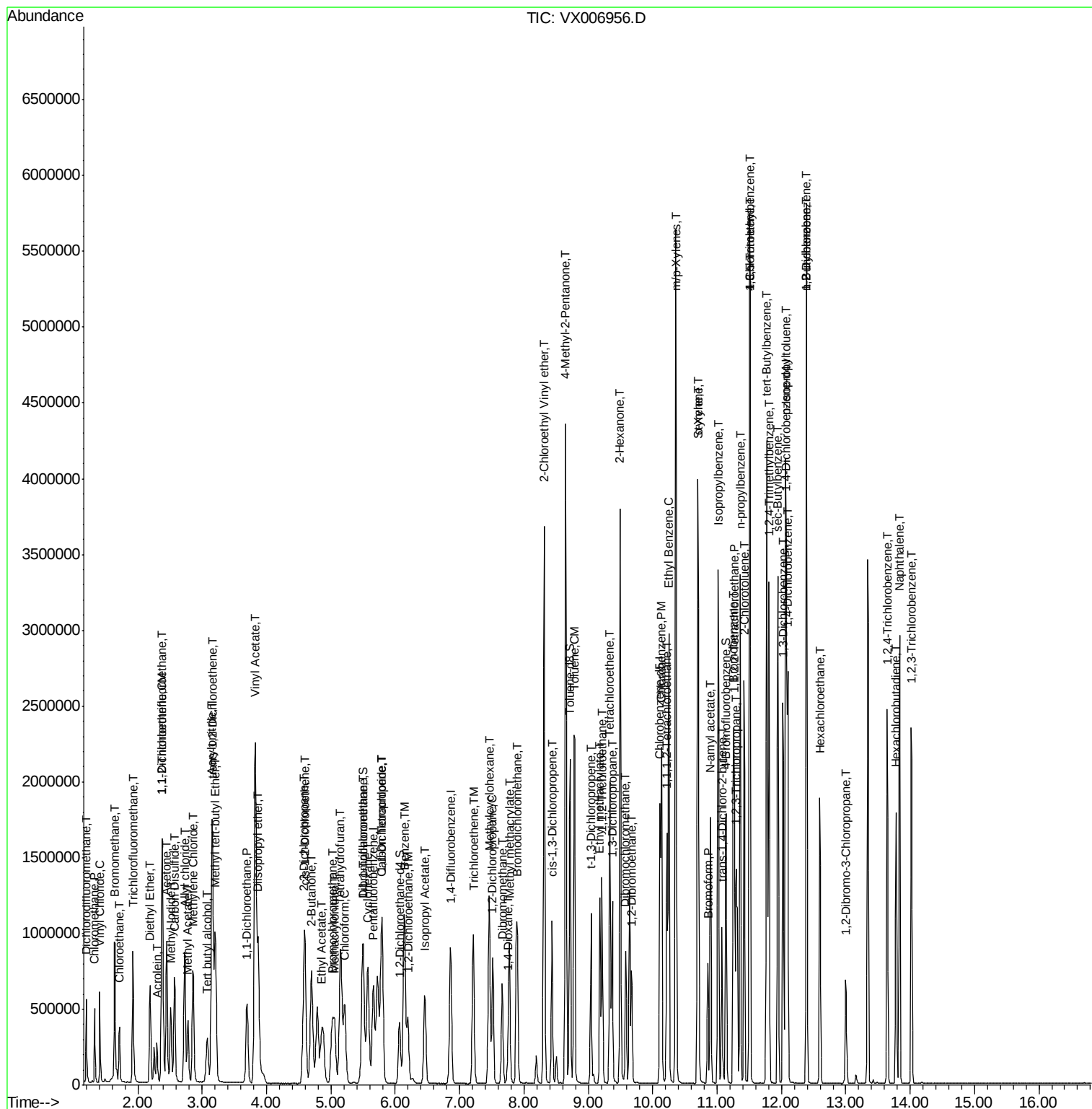
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010919\
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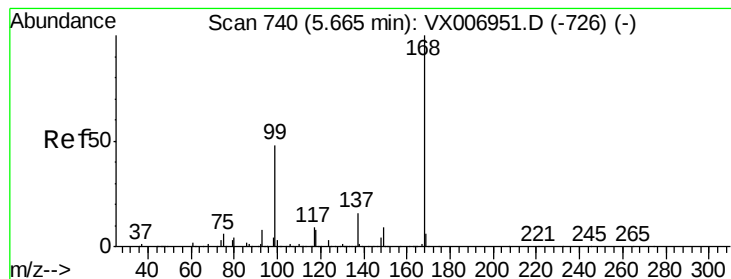
Instrument :
 MSVOA_X
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 681320

Ion Ratio Lower Upper

168 100

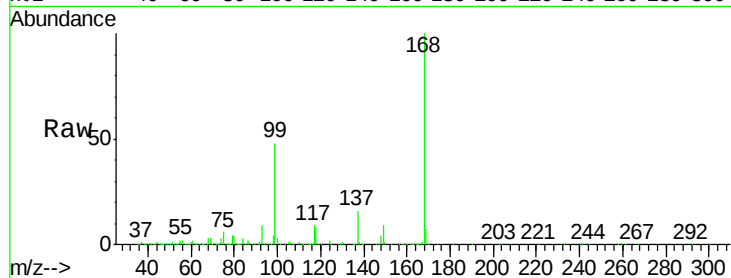
99 48.3 41.8 62.8

Manual Integrations

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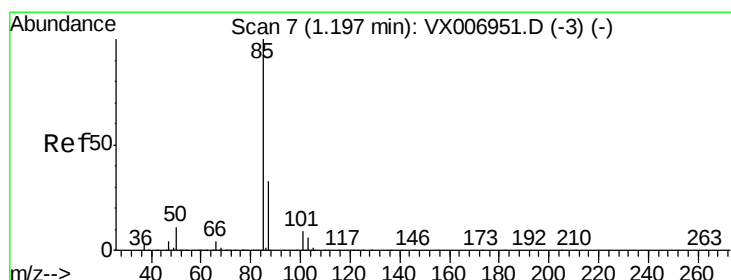
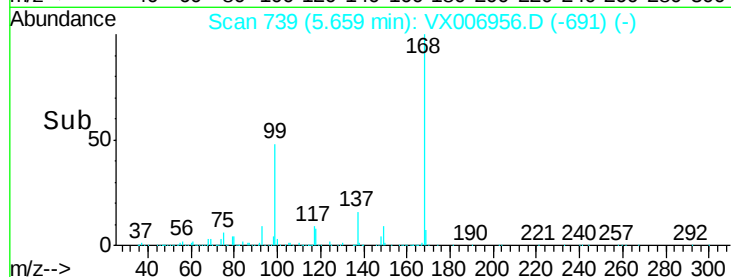
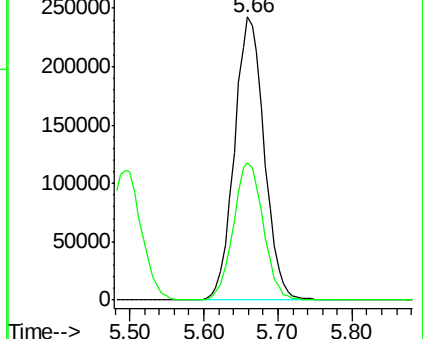
MMDadoda

1/10/2019 10:54:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 58.789 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006956.D

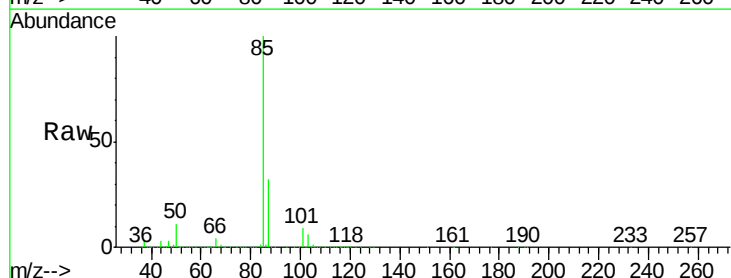
Acq: 09 Jan 2019 10:17

Tgt Ion: 85 Resp: 328926

Ion Ratio Lower Upper

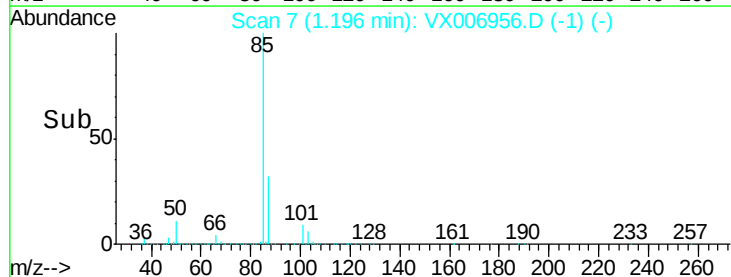
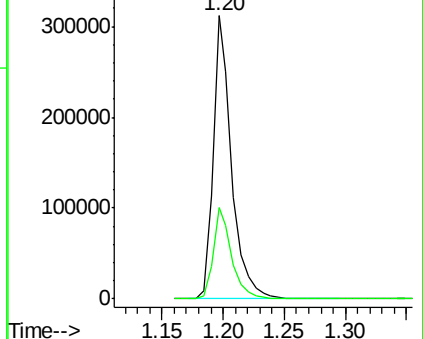
85 100

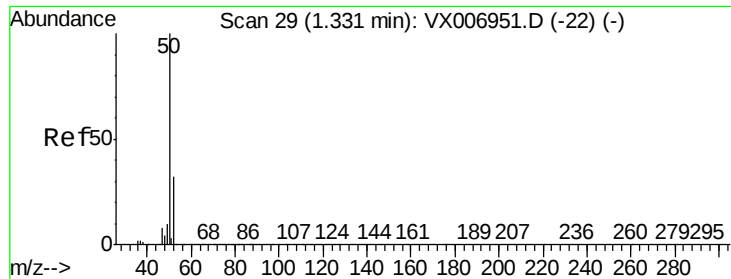
87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 52.971 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 345019

Ion Ratio Lower Upper

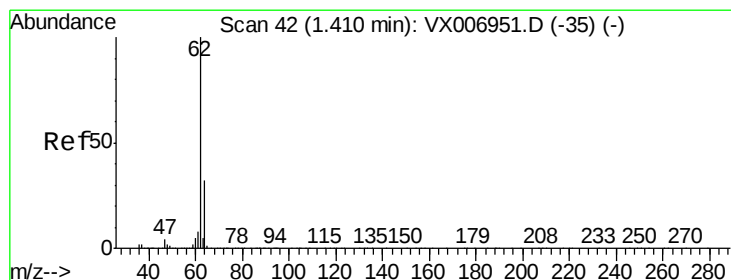
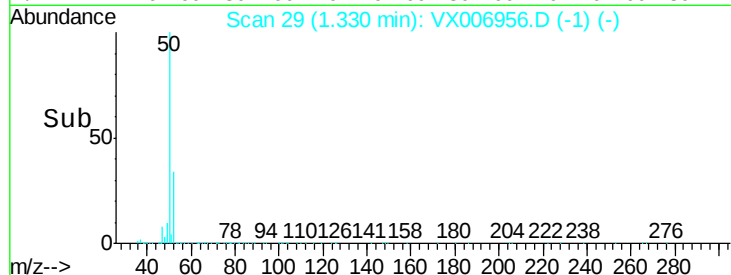
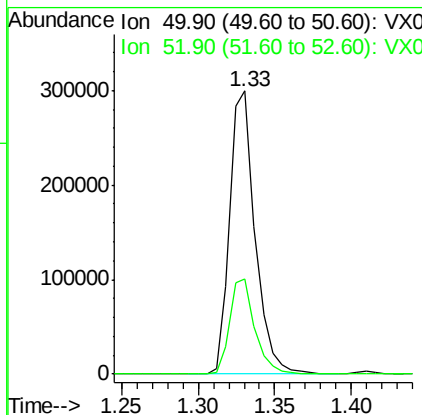
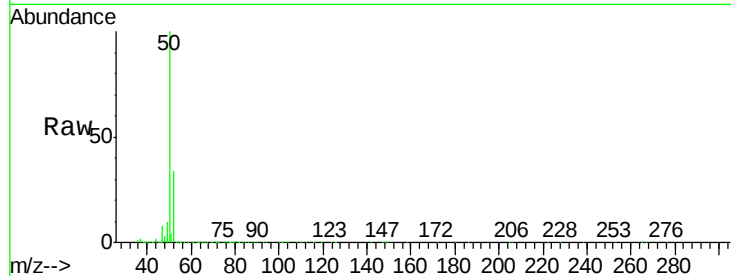
50 100

52 33.8 25.4 38.2

Manual Integrations
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1/10/2019 10:54:03 AM



#4

Vinyl Chloride

Concen: 52.331 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006956.D

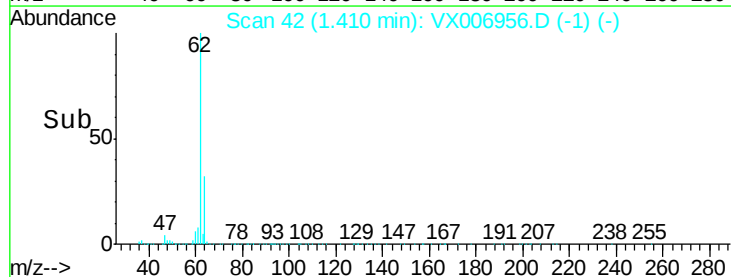
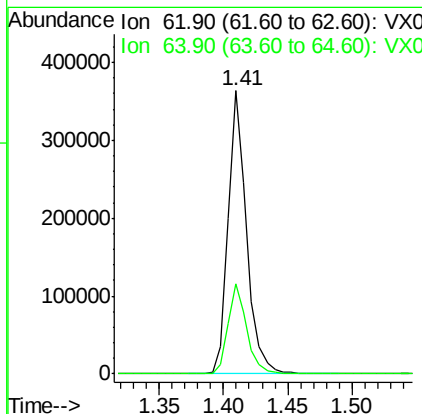
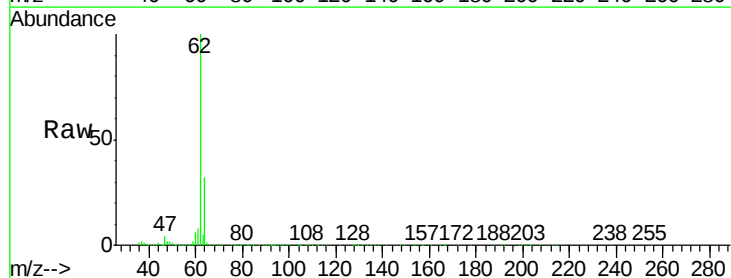
Acq: 09 Jan 2019 10:17

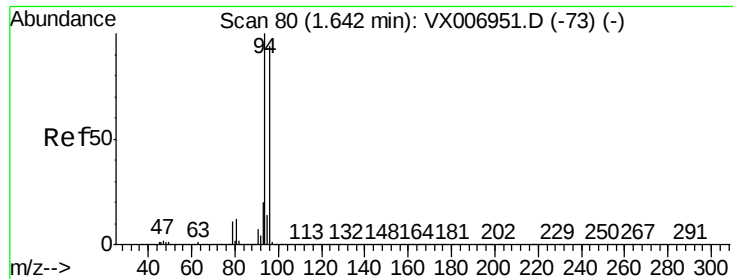
Tgt Ion: 62 Resp: 366648

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 46.689 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

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ClientSampleId :

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Tot Ion: 94 Resp: 349492

Ion Ratio Lower Upper

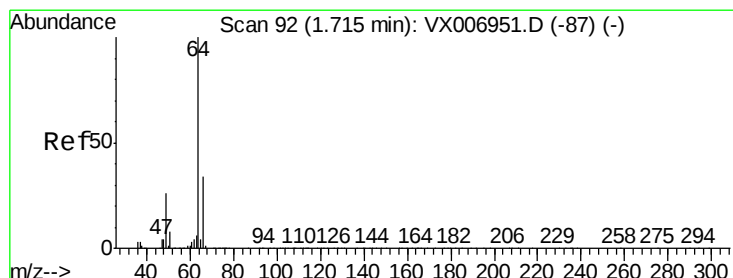
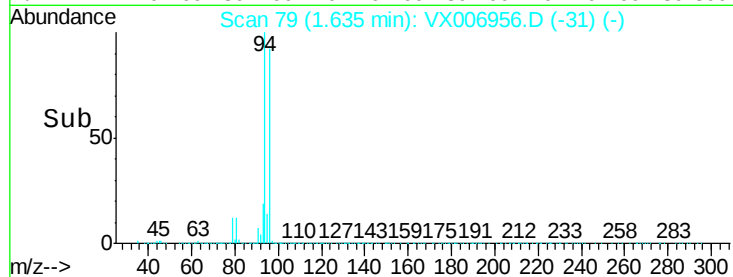
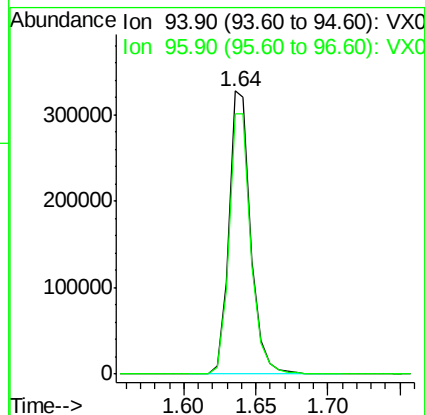
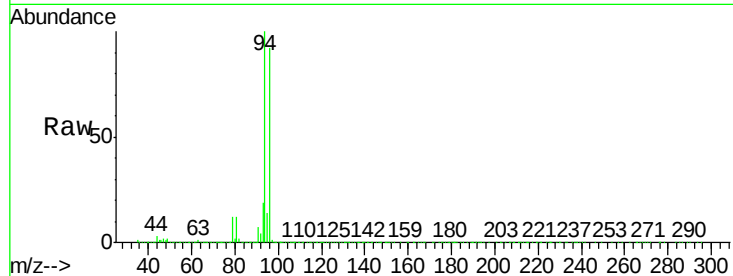
94 100

96 91.9 73.4 110.2

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#6

Chloroethane

Concen: 47.464 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006956.D

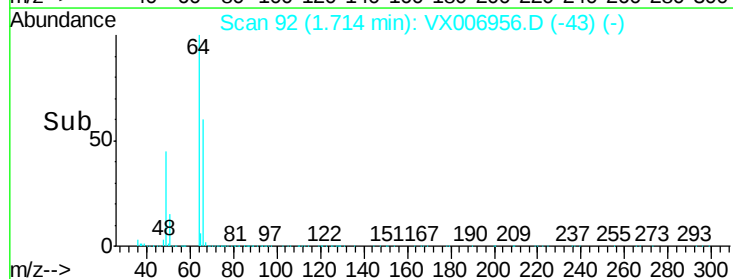
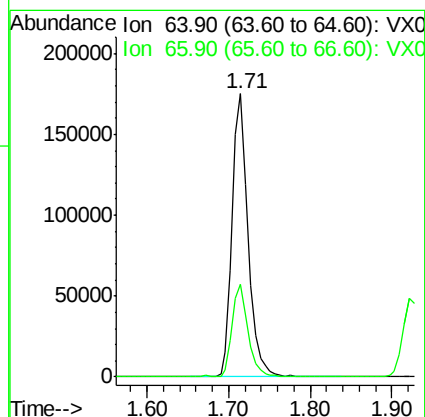
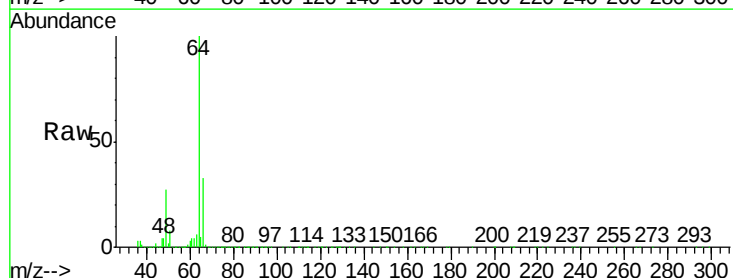
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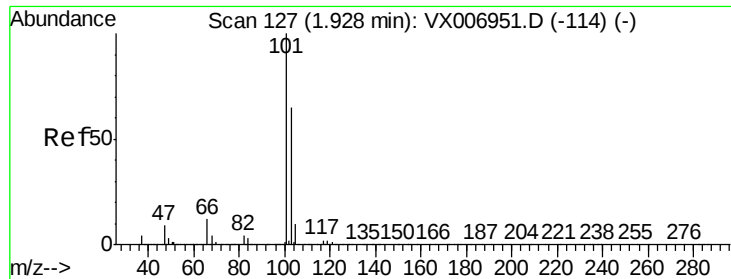
Tgt Ion: 64 Resp: 232201

Ion Ratio Lower Upper

64 100

66 32.7 26.4 39.6





#7

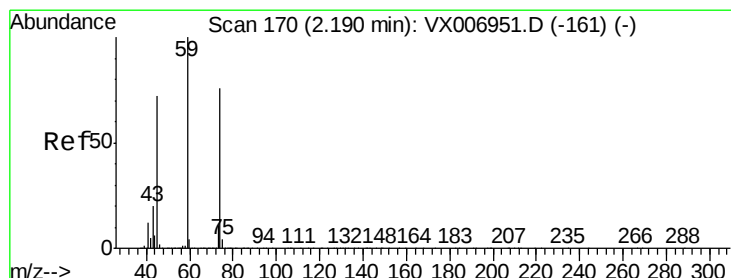
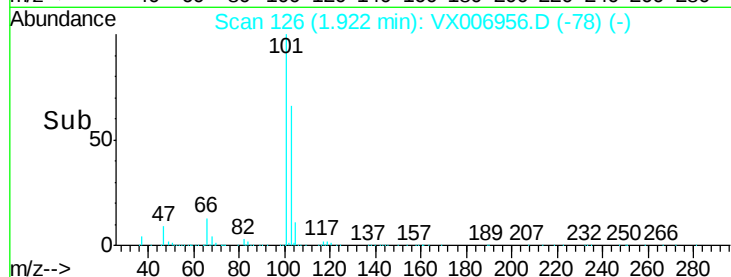
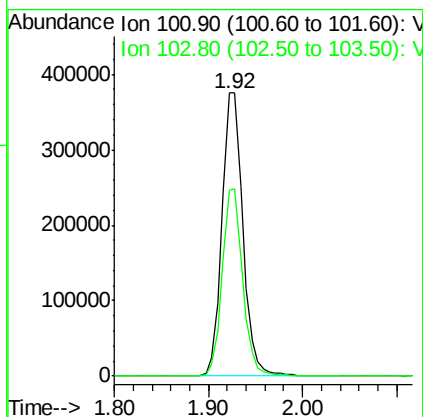
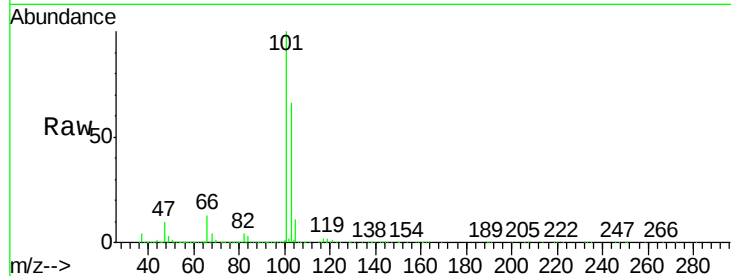
Trichlorofluoromethane
Concen: 51.079 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	53.2	79.8

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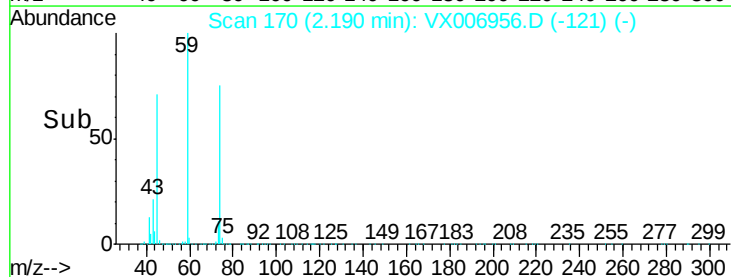
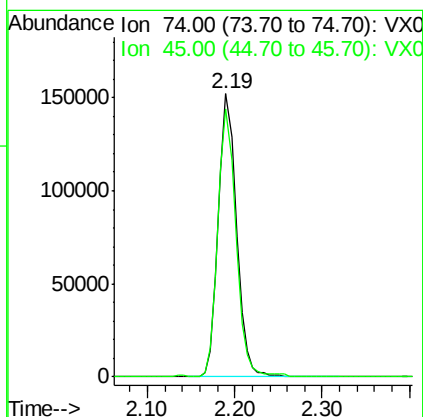
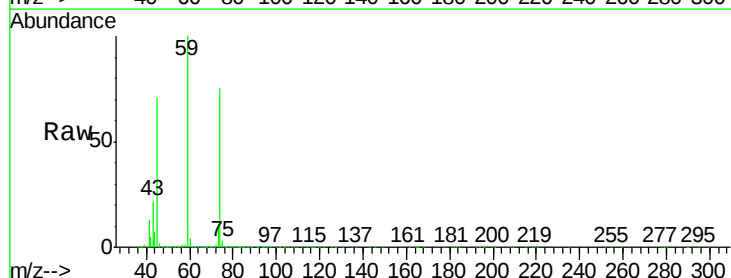
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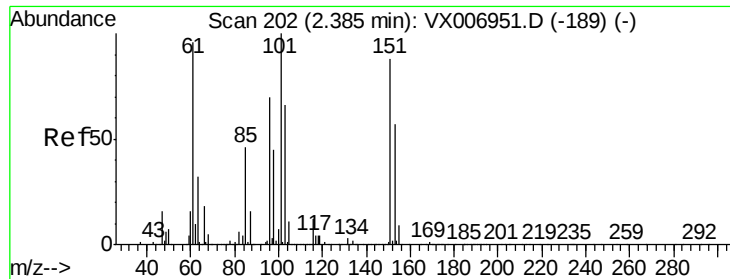


#8

Diethyl Ether
Concen: 48.906 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.6	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.638 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

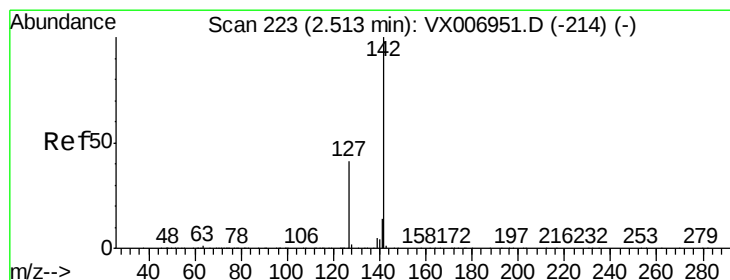
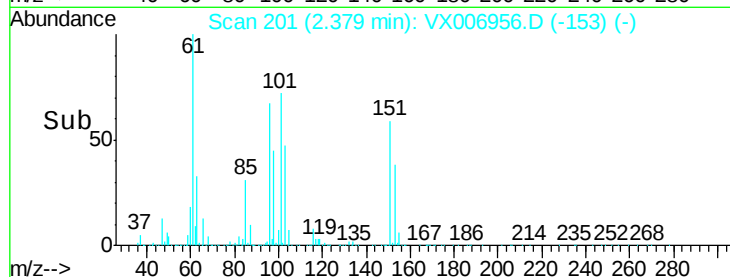
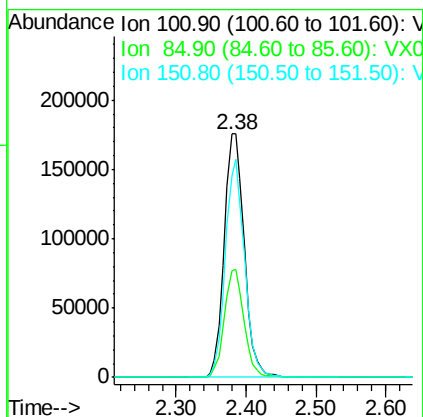
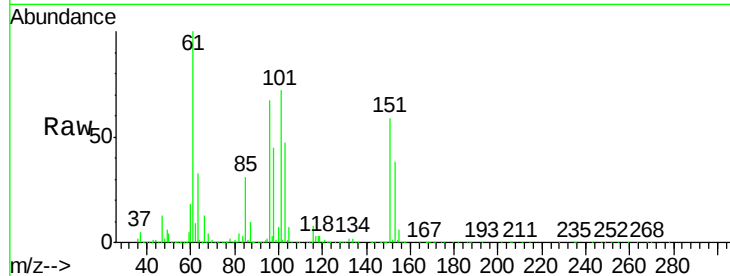
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	349982
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.1	52.7
151	85.9	68.9	103.3

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#10

Methyl Iodide

Concen: 57.119 ug/l

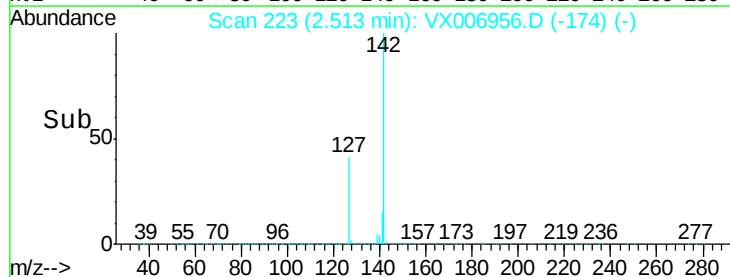
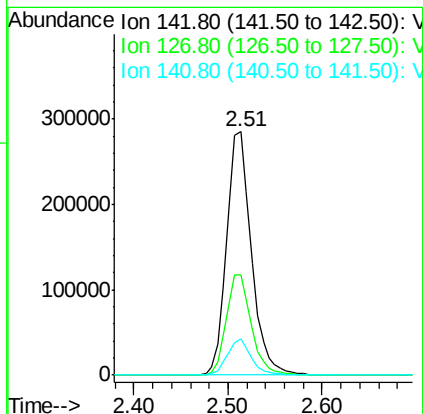
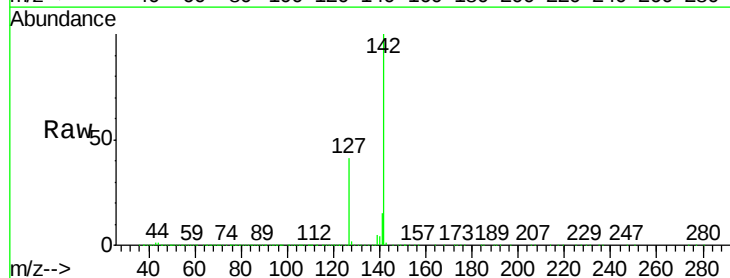
RT: 2.51 min Scan# 223

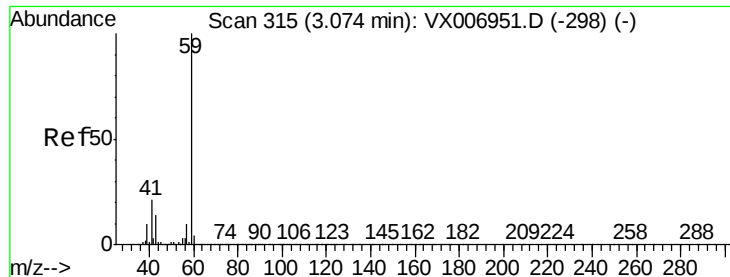
Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Tgt Ion:	142	Resp:	522206
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.9	50.9
141	14.2	11.4	17.0





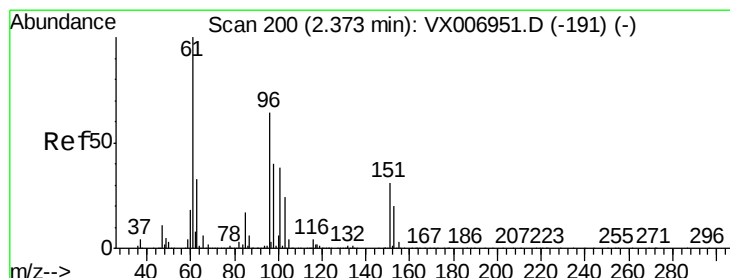
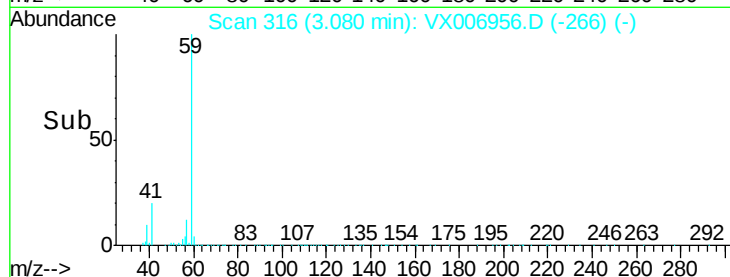
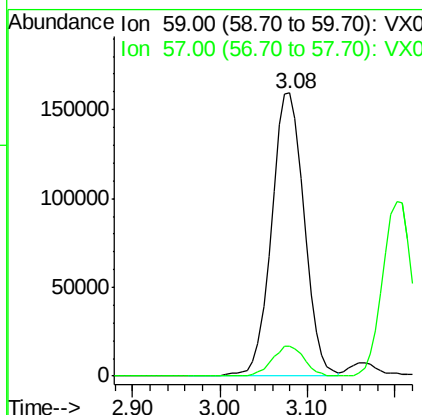
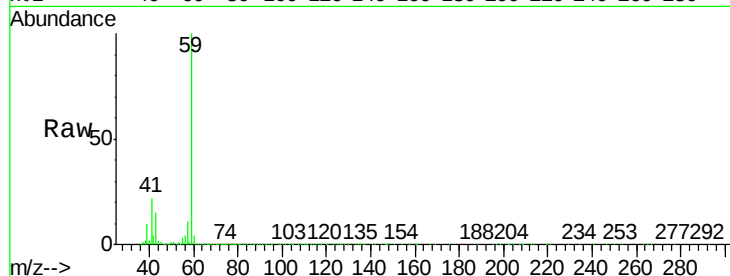
#11
Tert butyl alcohol
Concen: 247.383 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 415517
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7

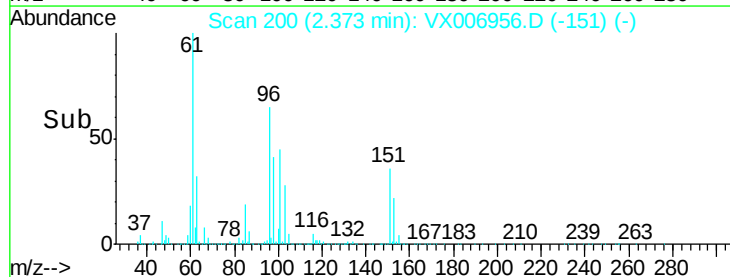
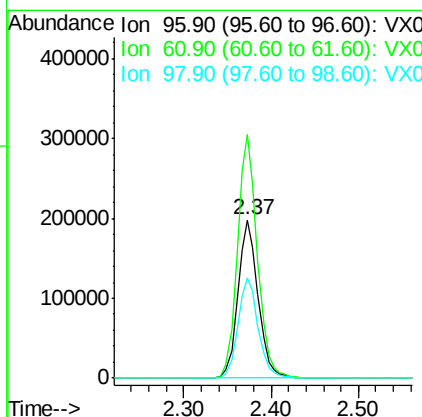
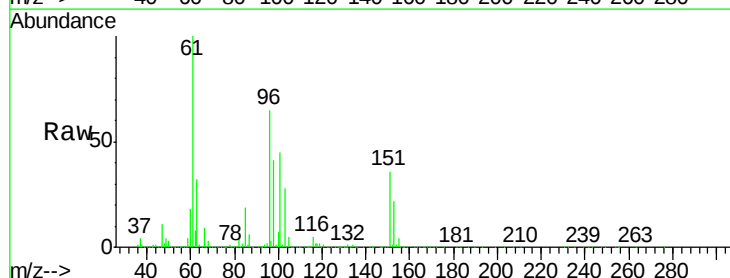
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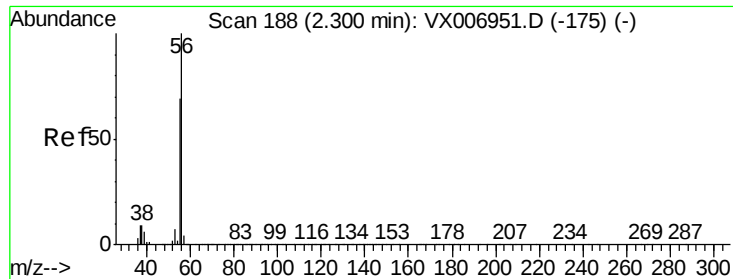
MMDadoda
1/10/2019 10:54:03 AM



#12
1,1-Dichloroethene
Concen: 50.710 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion: 96 Resp: 317537
Ion Ratio Lower Upper
96 100
61 154.1 121.4 182.2
98 63.3 51.9 77.9





#13

Acrolein

Concen: 264.619 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 191824

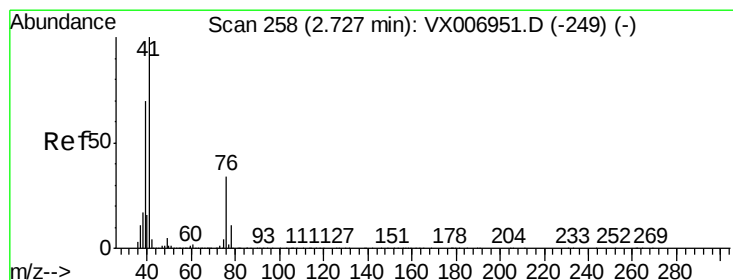
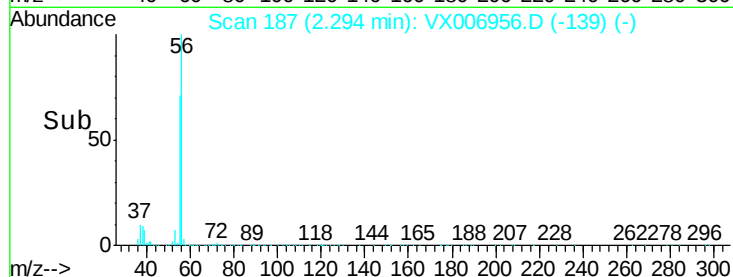
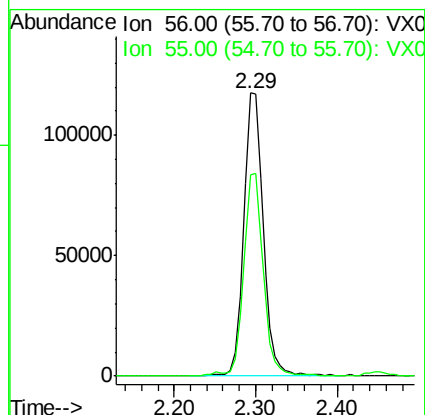
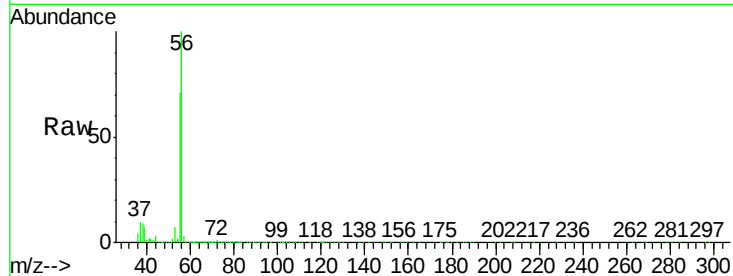
Ion Ratio Lower Upper

56 100

55 71.0 58.2 87.4

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#14

Allyl chloride

Concen: 52.124 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

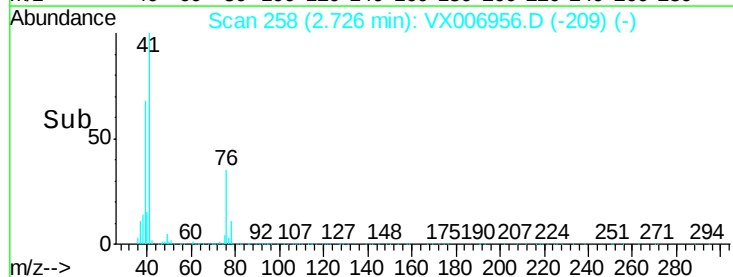
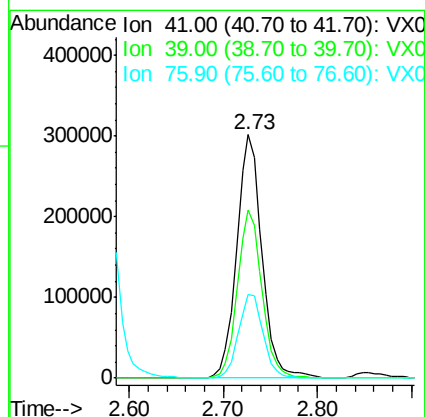
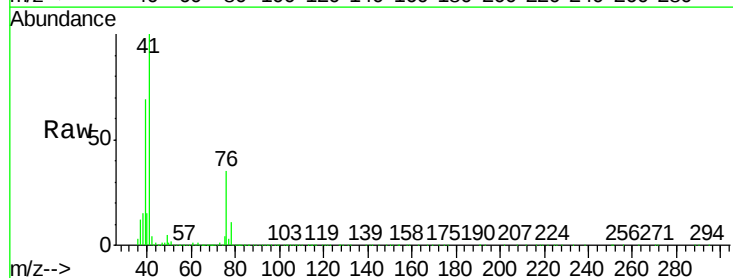
Tgt Ion: 41 Resp: 559376

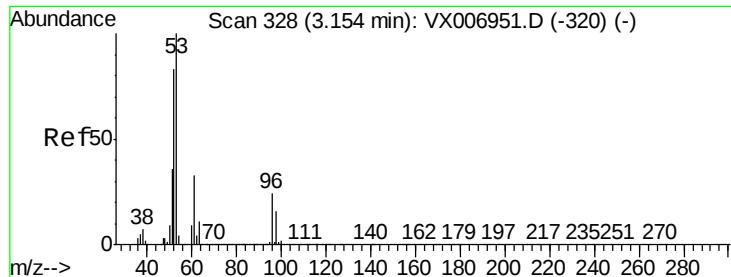
Ion Ratio Lower Upper

41 100

39 66.7 53.6 80.4

76 33.4 27.4 41.2





#15

Acrylonitrile

Concen: 250.900 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

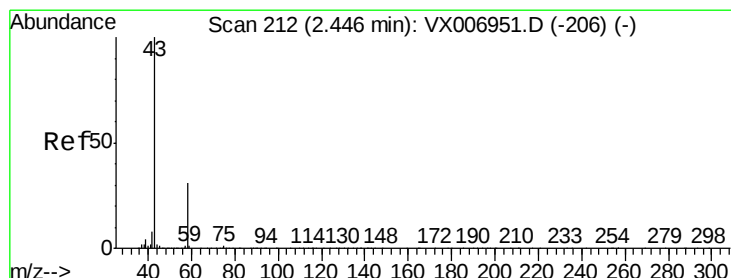
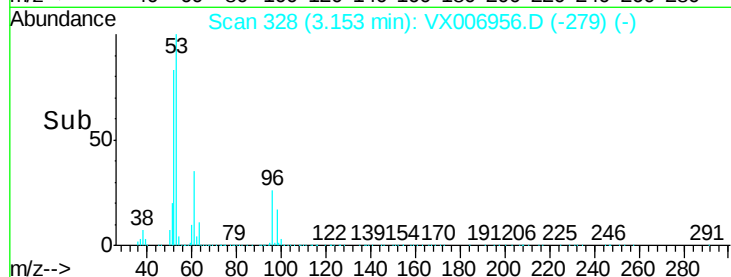
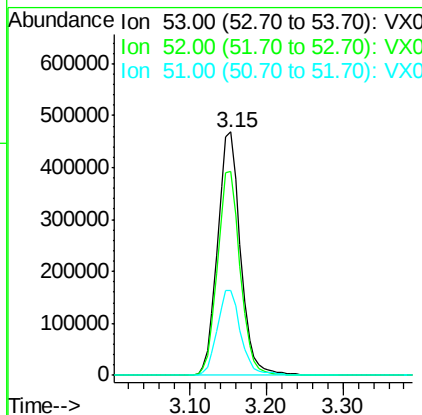
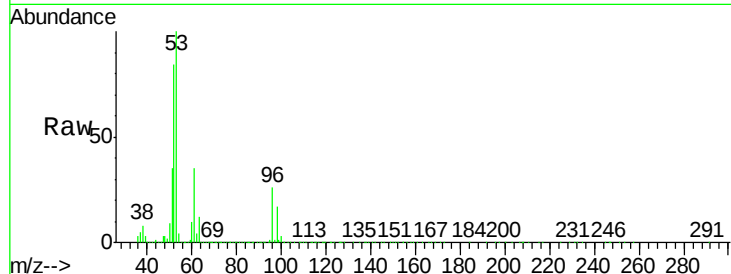
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	967438
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.0	99.0
51	35.8	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 281.344 ug/l

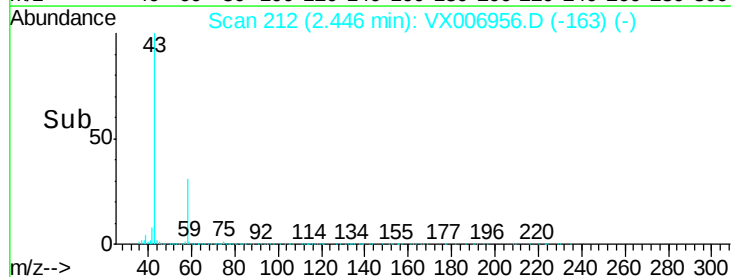
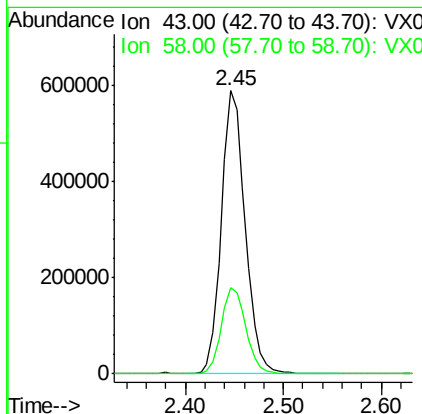
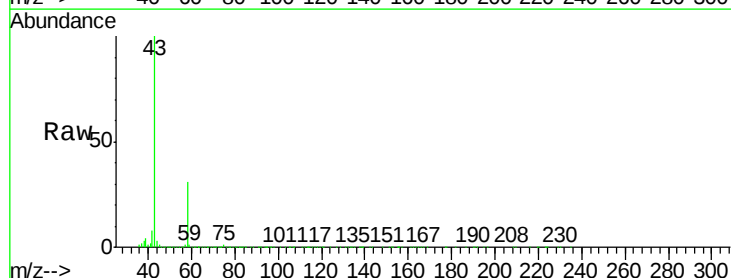
RT: 2.45 min Scan# 212

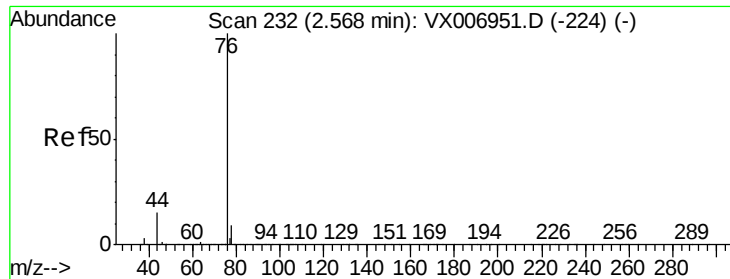
Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Tgt Ion:	43	Resp:	990354
Ion Ratio		Lower	Upper
43	100		
58	30.6	25.0	37.6





#17

Carbon Disulfide

Concen: 53.182 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 857389

Ion Ratio Lower Upper

76 100

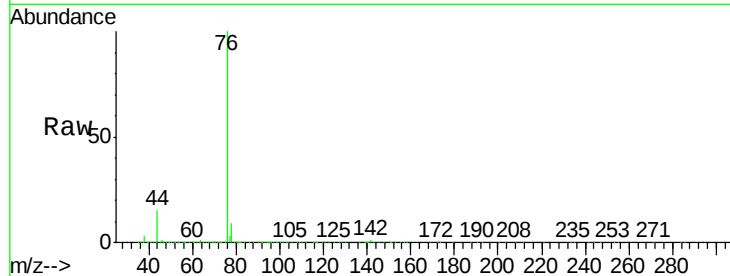
78 8.9 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

600000

500000

400000

300000

200000

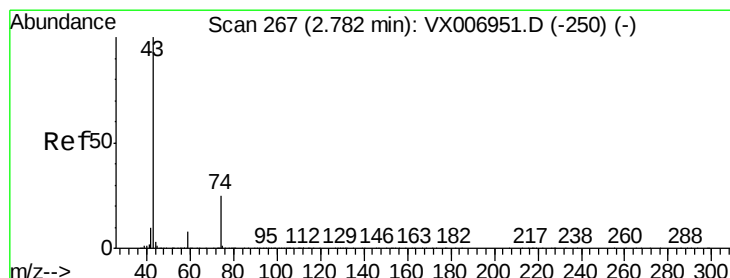
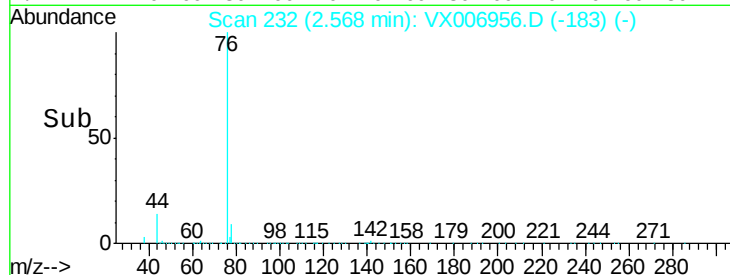
100000

0

2.57

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 47.633 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006956.D

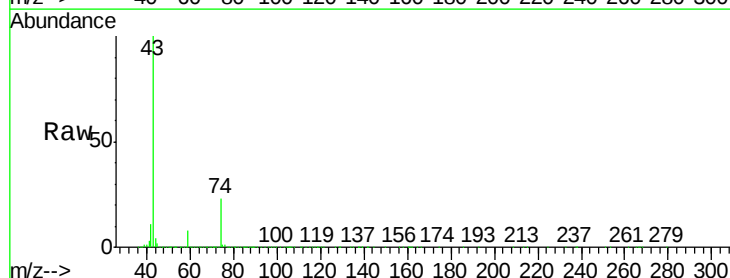
Acq: 09 Jan 2019 10:17

Tgt Ion: 43 Resp: 485565

Ion Ratio Lower Upper

43 100

74 23.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

300000

250000

200000

150000

100000

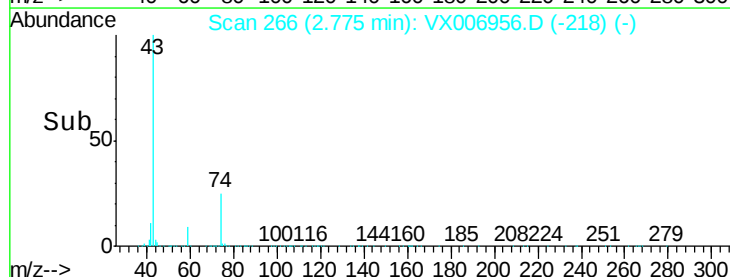
50000

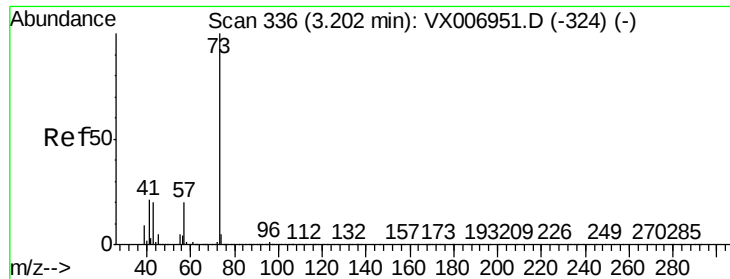
0

2.78

2.70 2.80 2.90

Time-->





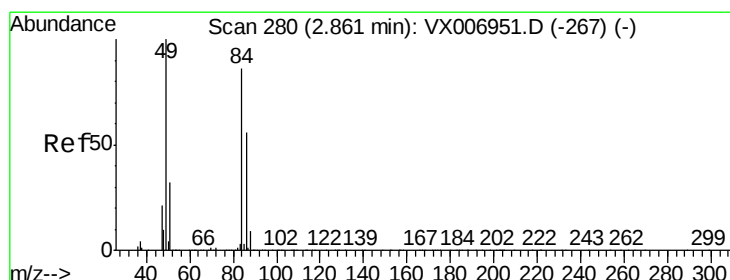
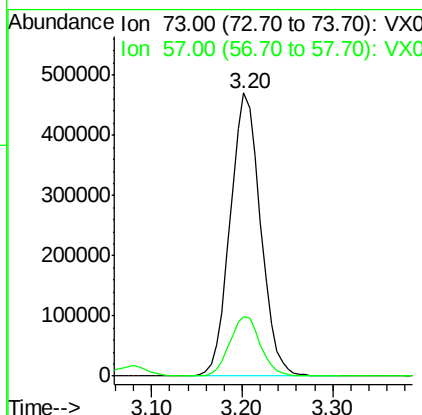
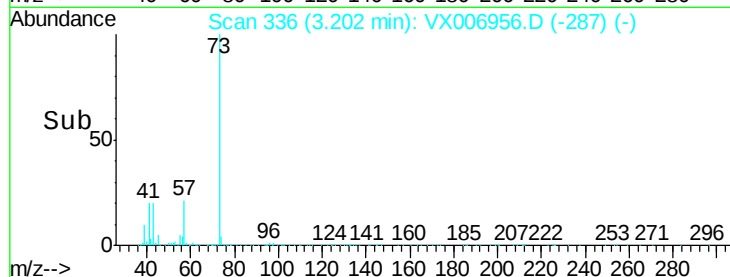
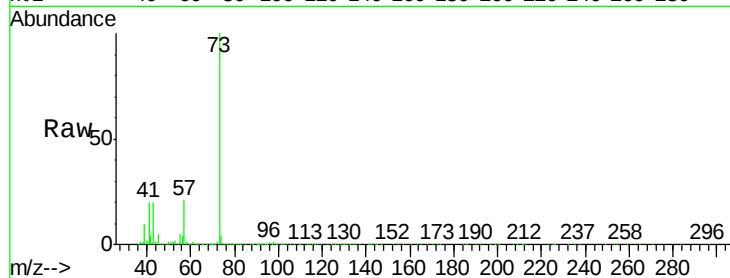
#19
Methvl tert-butvl Ether
Concen: 50.278 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1092738
Ion Ratio Lower Upper
73 100
57 20.9 16.8 25.2

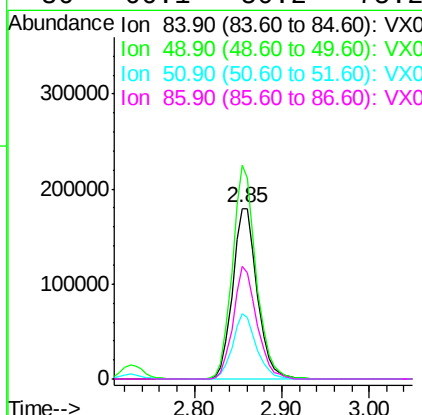
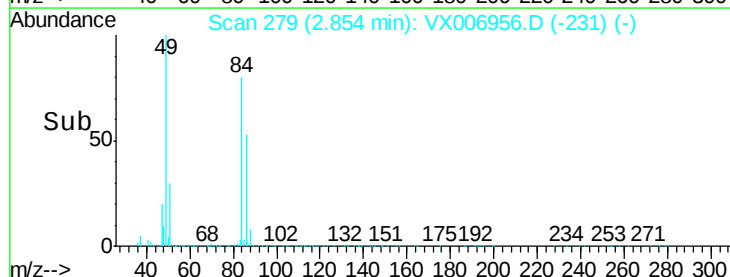
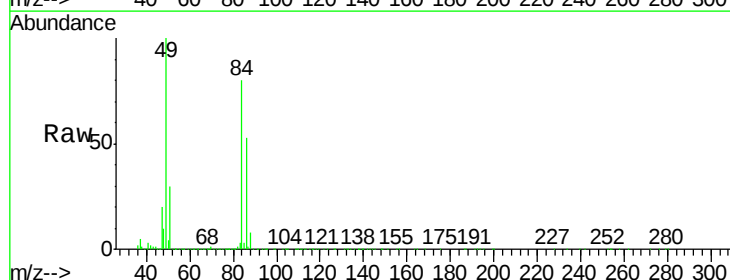
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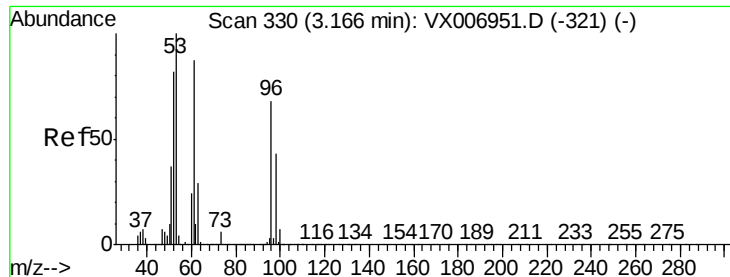
MMDadoda
1/10/2019 10:54:03 AM



#20
Methylene Chloride
Concen: 52.726 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion: 84 Resp: 352808
Ion Ratio Lower Upper
84 100
49 125.2 91.8 137.6
51 38.0 28.5 42.7
86 66.1 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 49.016 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

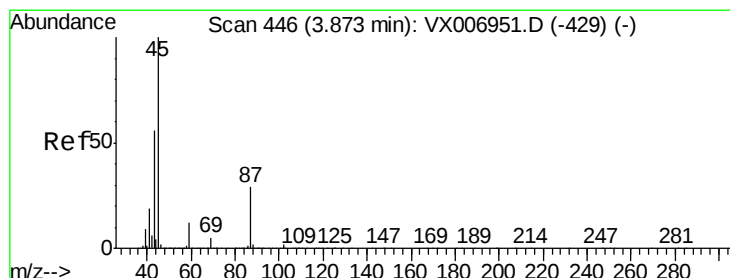
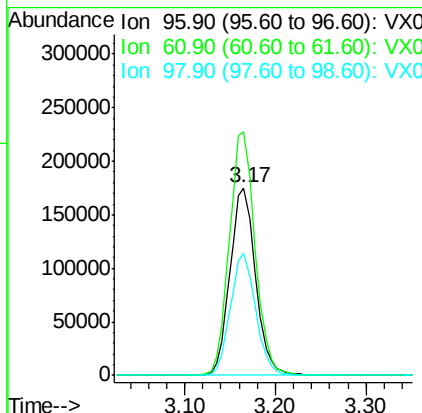
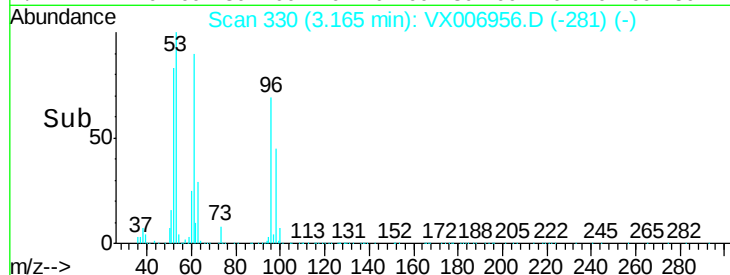
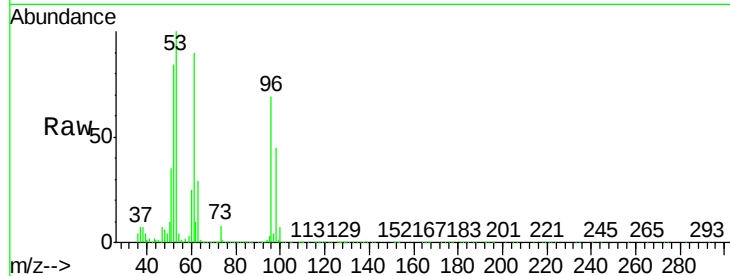
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	342041
Ion	Ratio	Lower	Upper
96	100		
61	129.5	103.7	155.5
98	64.9	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.871 ug/l

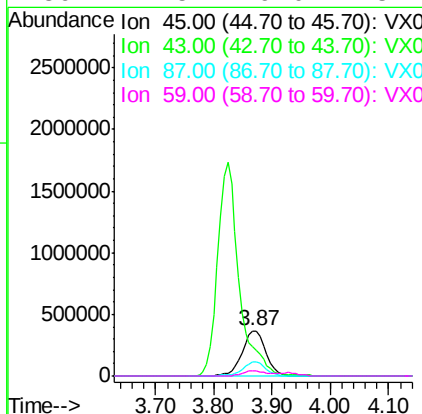
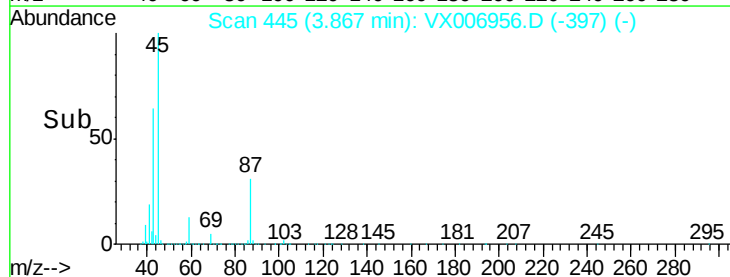
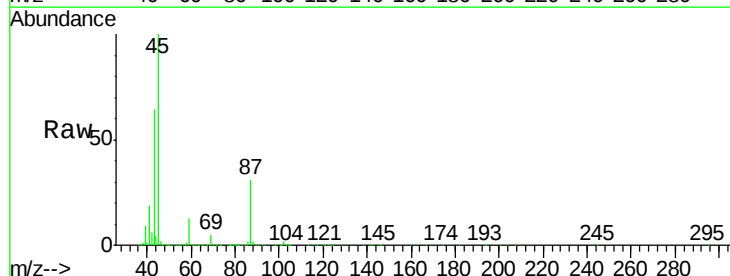
RT: 3.87 min Scan# 445

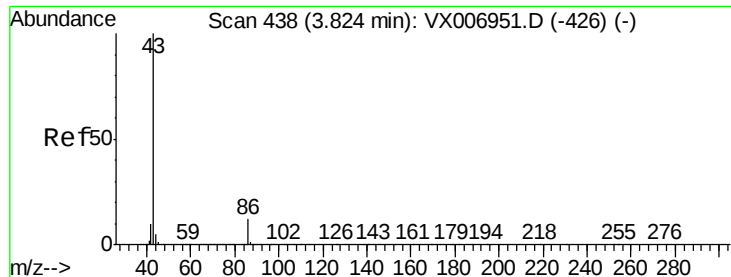
Delta R.T. -0.01 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Tgt Ion:	45	Resp:	1026333
Ion	Ratio	Lower	Upper
45	100		
43	64.0	51.2	76.8
87	31.0	25.8	38.6
59	12.5	9.0	13.4





#23

Vinyl Acetate

Concen: 260.198 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4427092

Ion Ratio Lower Upper

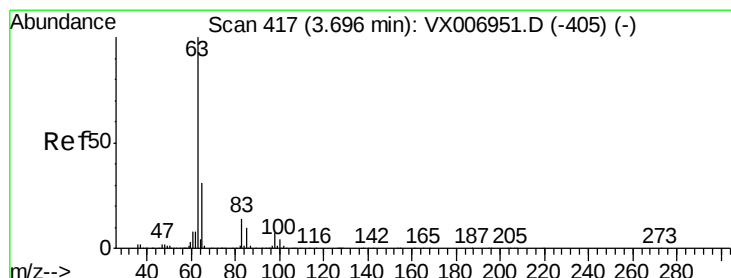
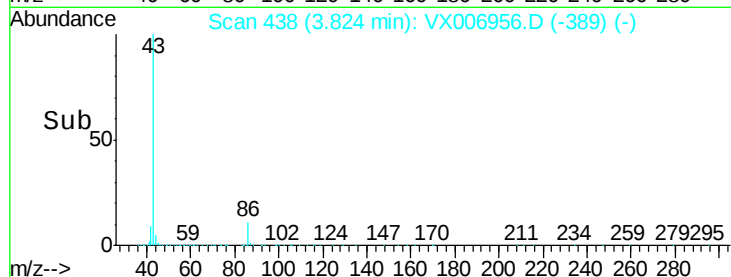
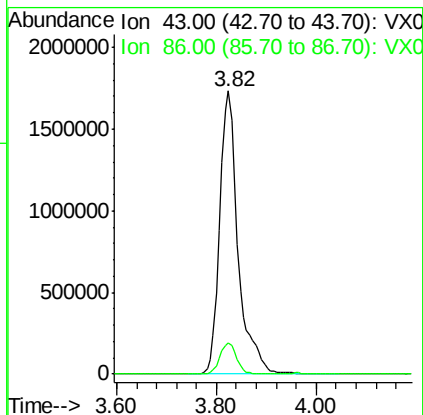
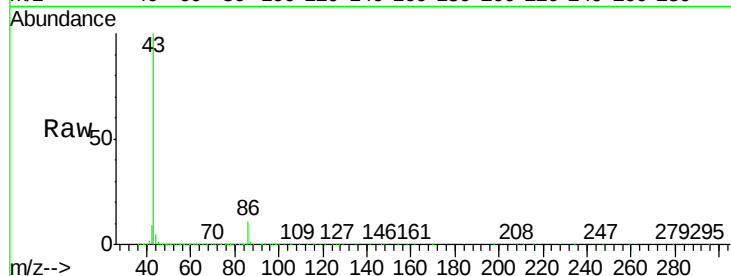
43 100

86 11.2 9.2 13.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 52.832 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

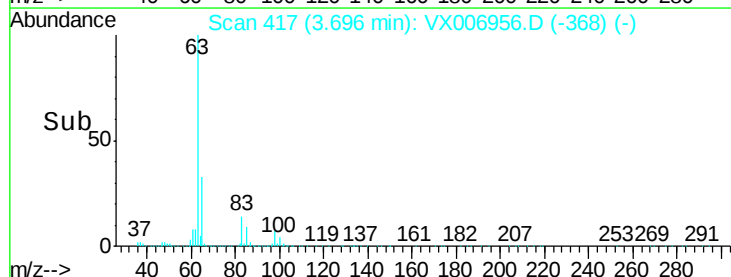
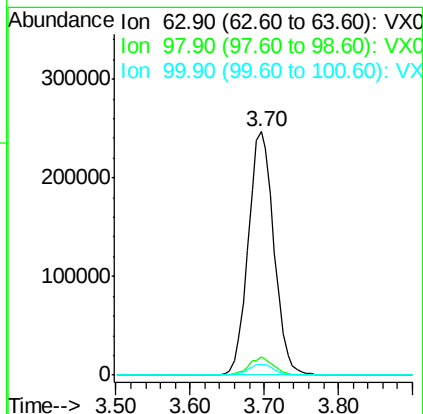
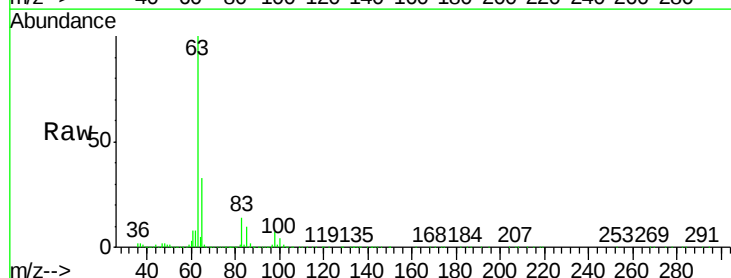
Tgt Ion: 63 Resp: 596021

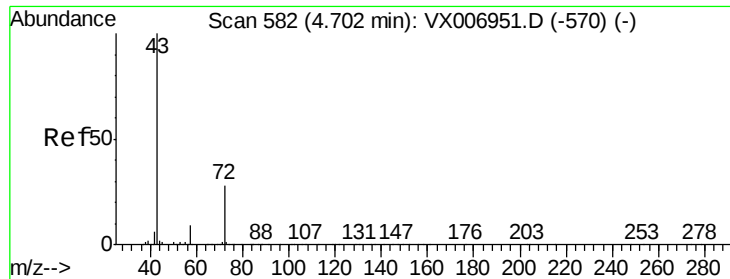
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.2 2.4 7.2





#25

2-Butanone

Concen: 265.010 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1334785

Ion Ratio Lower Upper

43 100

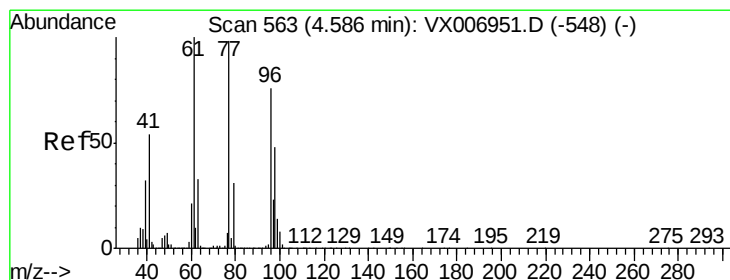
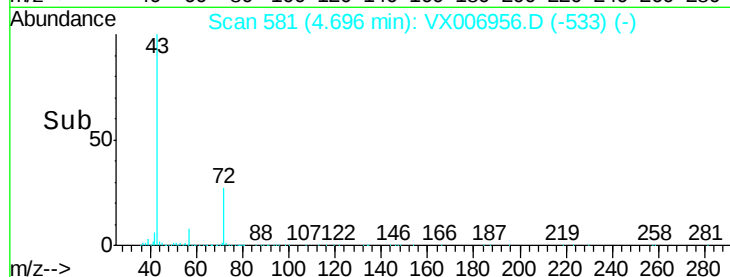
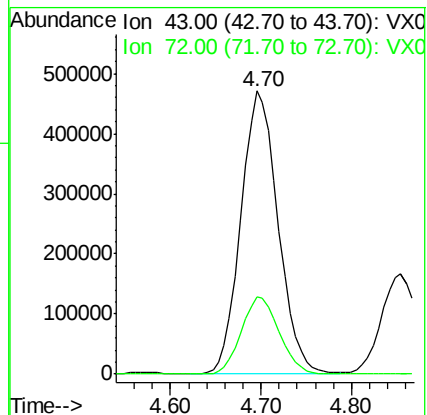
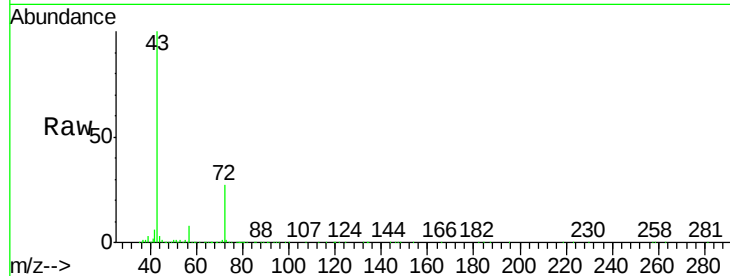
72 27.1 22.4 33.6

Manual Integrations

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1/10/2019 10:54:03 AM



#26

2,2-Dichloropropane

Concen: 55.227 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006956.D

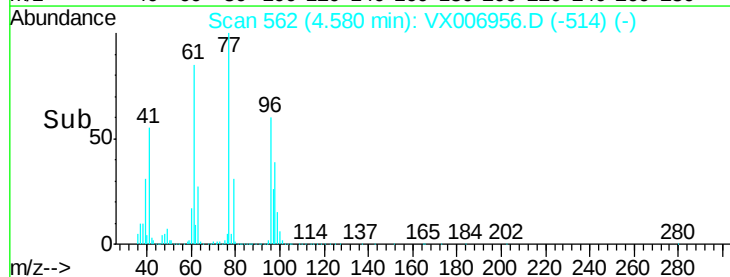
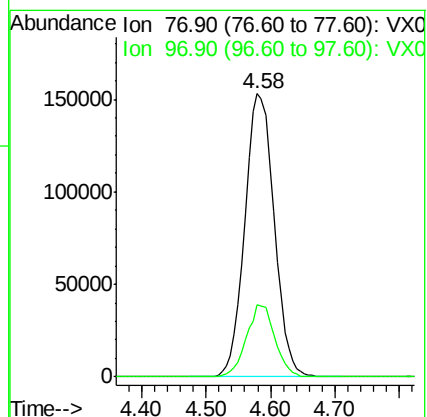
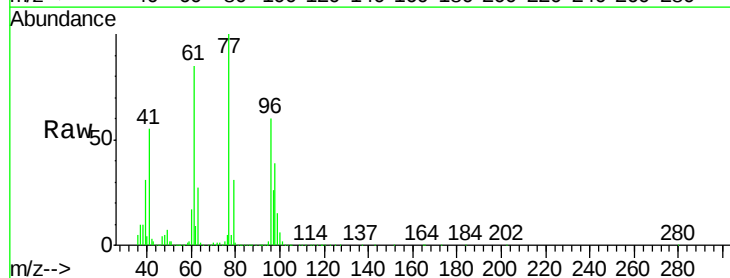
Acq: 09 Jan 2019 10:17

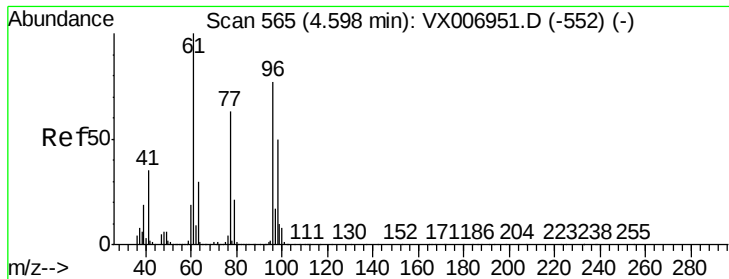
Tgt Ion: 77 Resp: 479087

Ion Ratio Lower Upper

77 100

97 24.6 12.4 37.4





#27

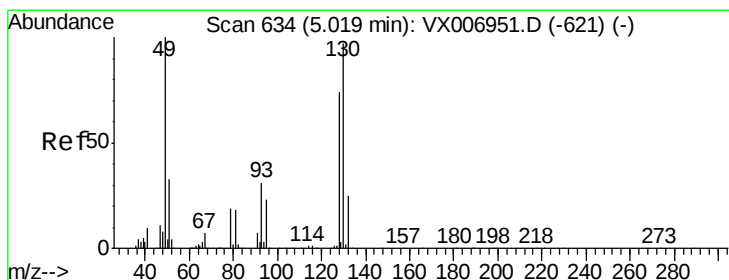
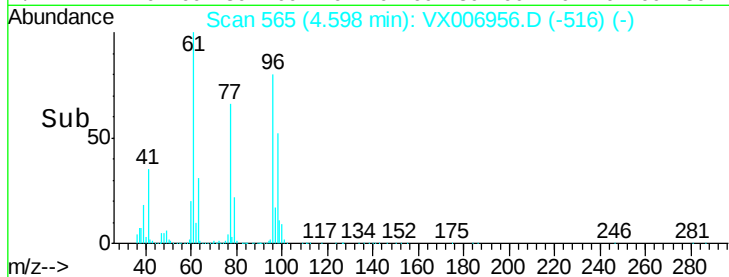
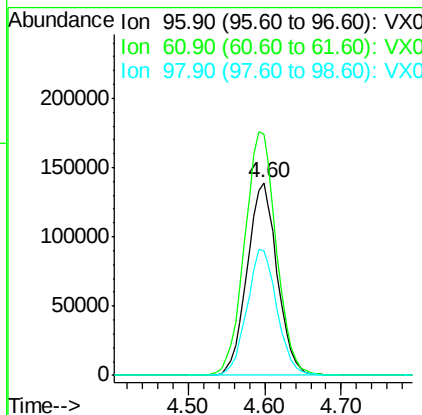
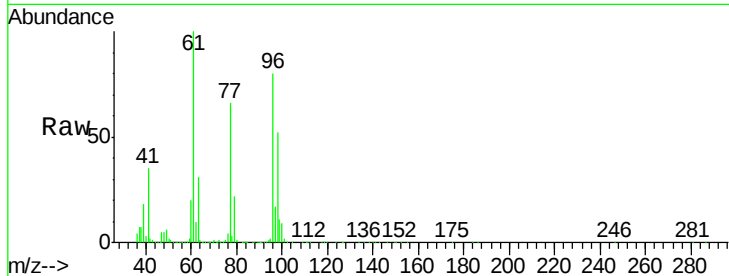
cis-1,2-Dichloroethene
Concen: 49.609 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	258.6
98	65.4	0.0	132.0

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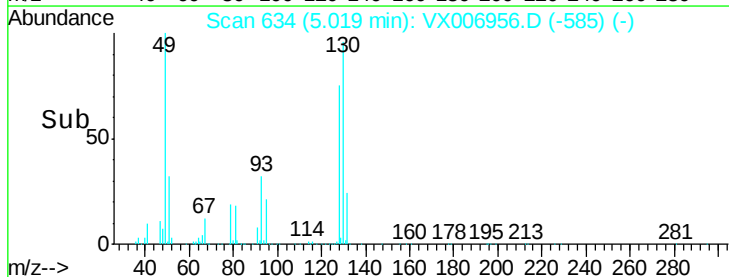
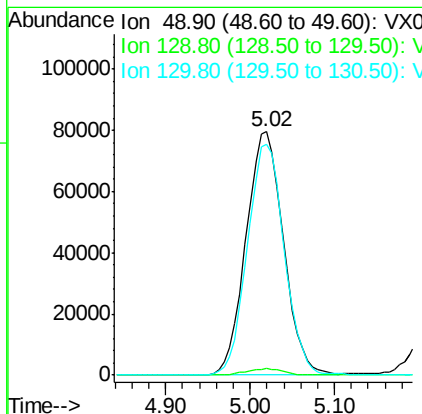
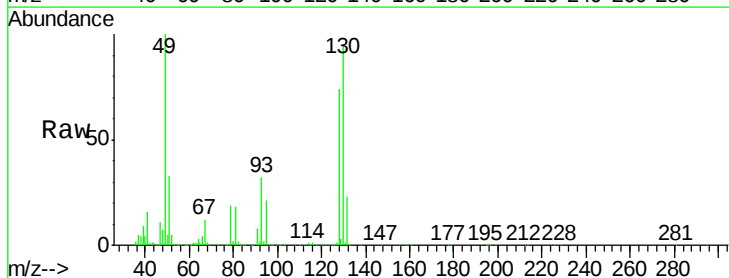
MMDadoda
1/10/2019 10:54:03 AM

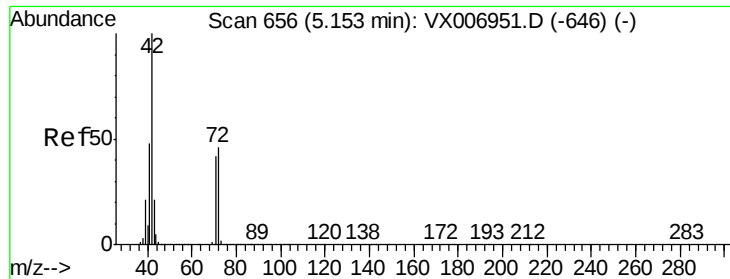


#28

Bromochloromethane
Concen: 48.604 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	93.8	77.7	116.5





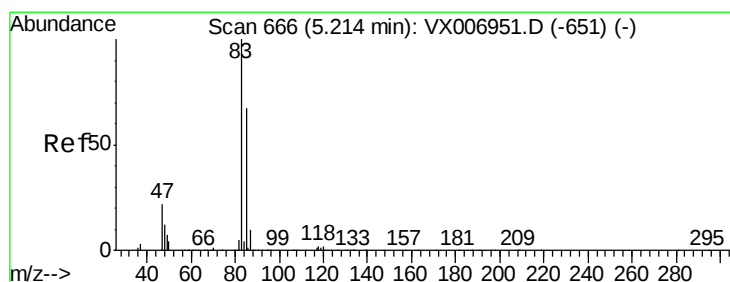
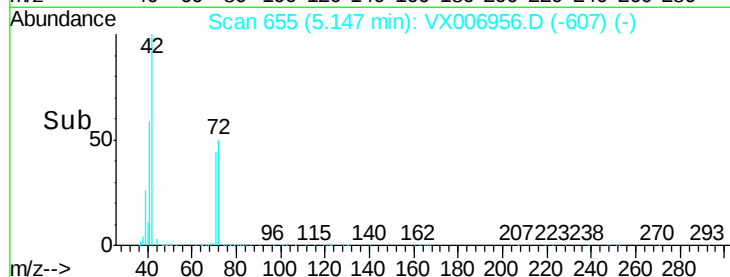
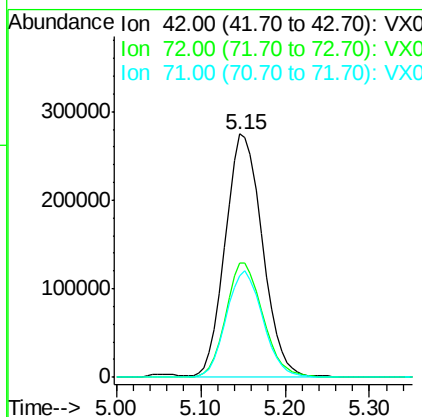
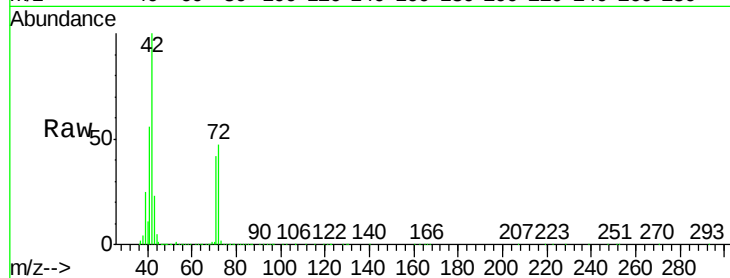
#29
Tetrahydrofuran
Concen: 251.694 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.9	58.3
71	43.5	36.2	54.4

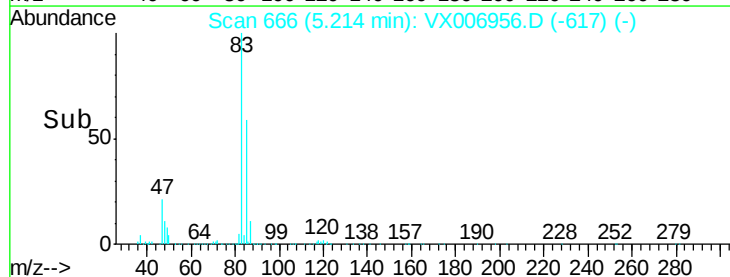
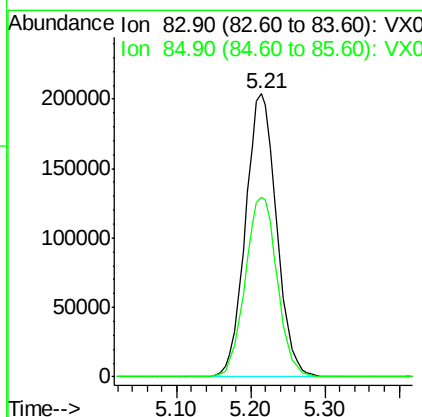
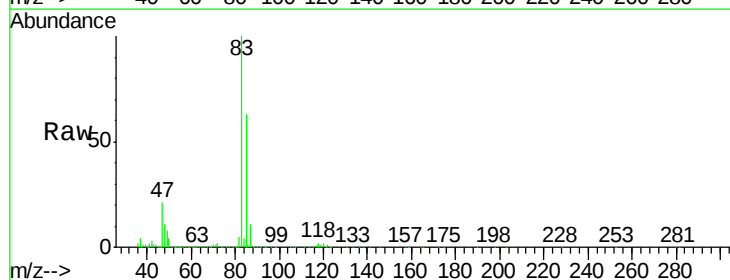
Manual Integrations
APPROVED

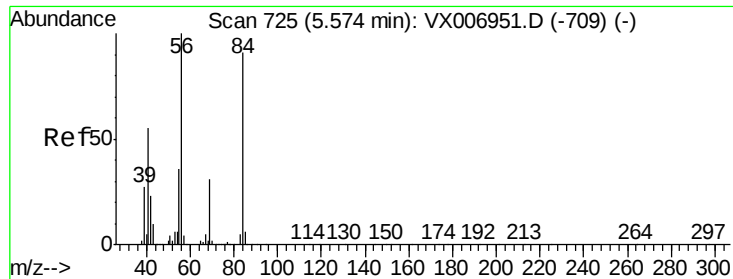
MMDadoda
1/10/2019 10:54:03 AM



#30
Chloroform
Concen: 50.392 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.2	76.8





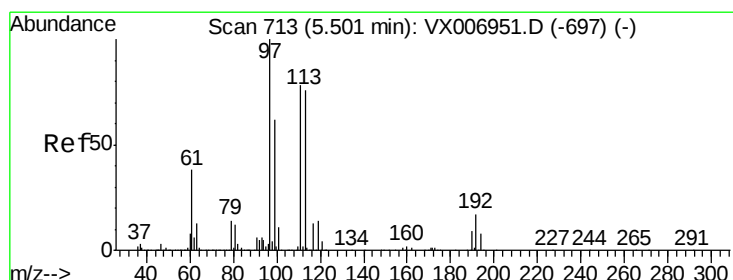
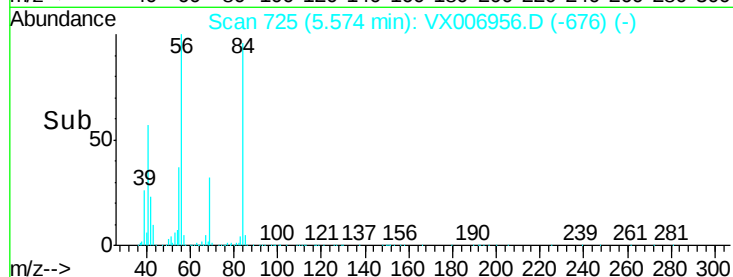
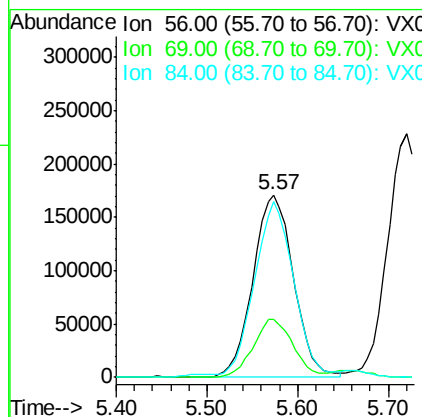
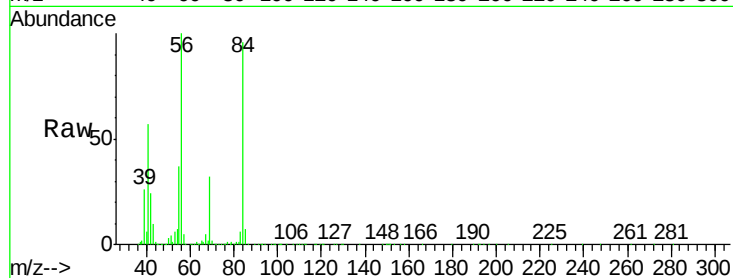
#31
Cyclohexane
Concen: 52.476 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.4	36.6
84	94.9	70.0	105.0

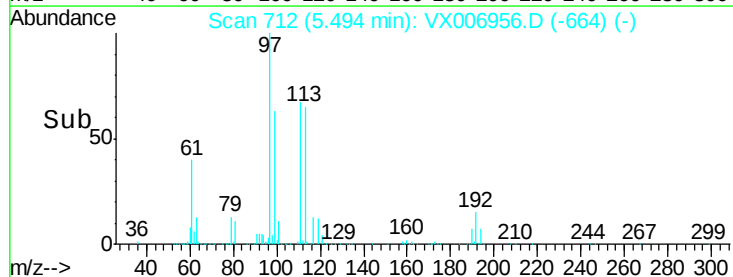
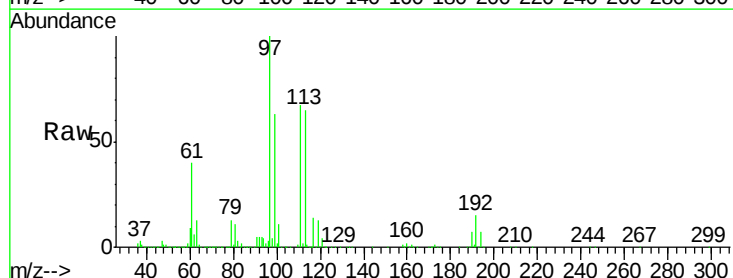
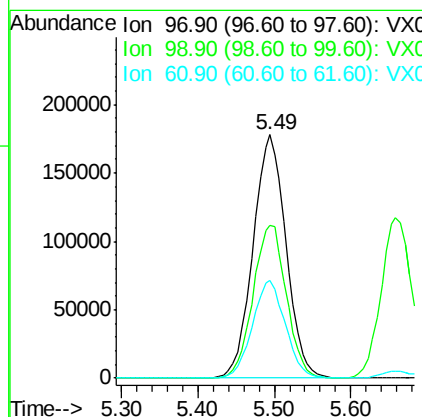
Manual Integrations
APPROVED

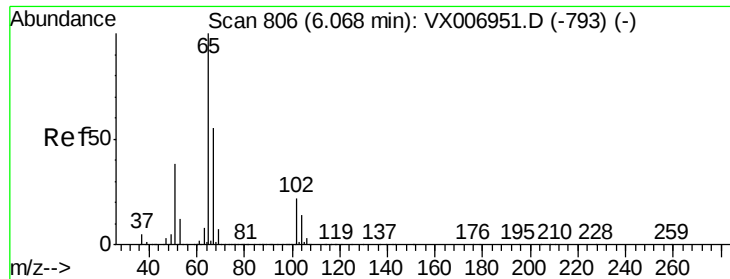
MMDadoda
1/10/2019 10:54:03 AM



#32
1,1,1-Trichloroethane
Concen: 53.246 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.7	77.5
61	40.3	31.3	46.9





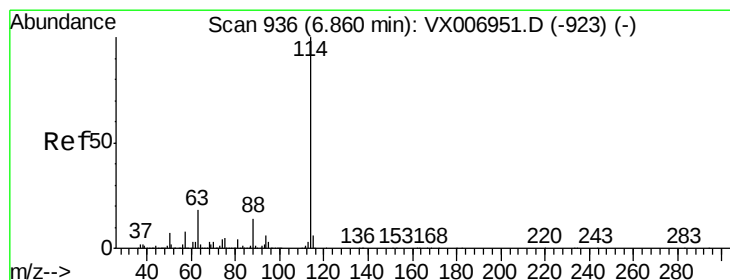
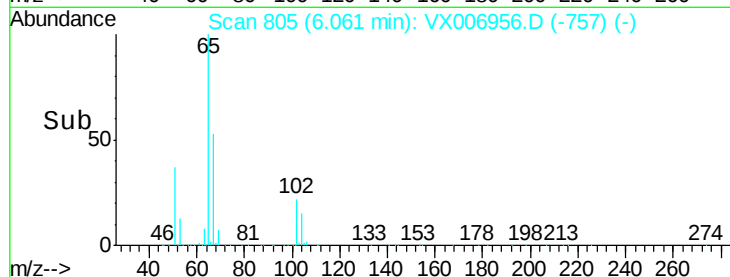
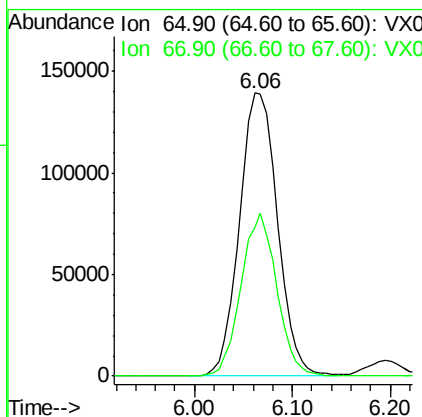
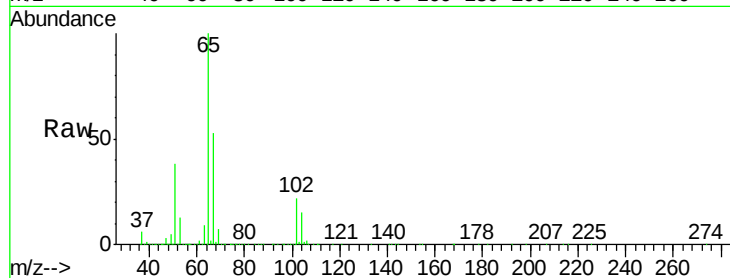
#33
 1,2-Dichloroethane-d4
 Concen: 52.798 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX006956.D
 Acq: 09 Jan 2019 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	105.0

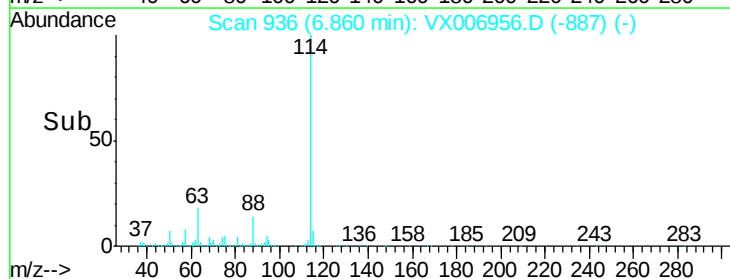
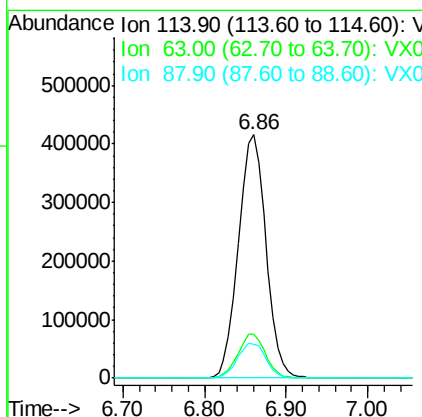
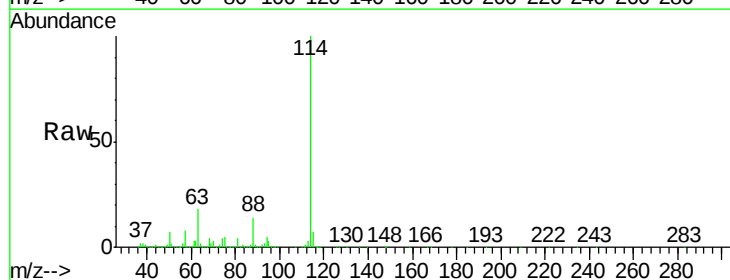
Manual Integrations
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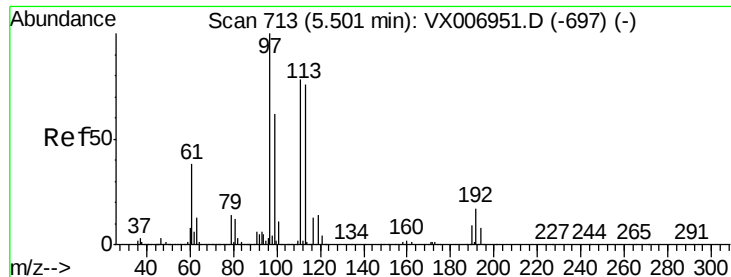
MMDadoda
 1/10/2019 10:54:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006956.D
 Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	34.8
88	14.0	0.0	28.8





#35

Dibromofluoromethane

Concen: 55.502 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

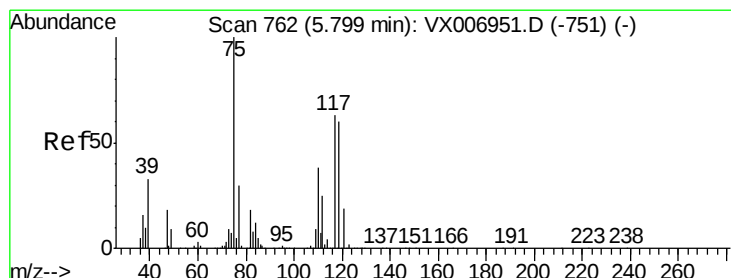
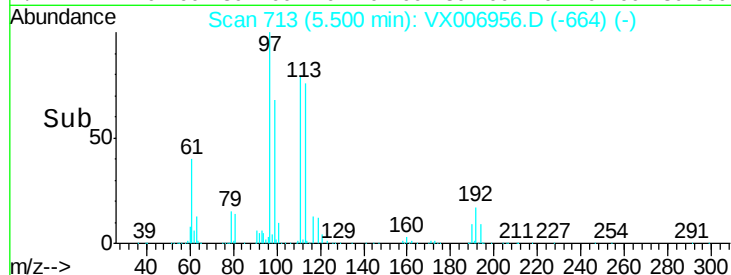
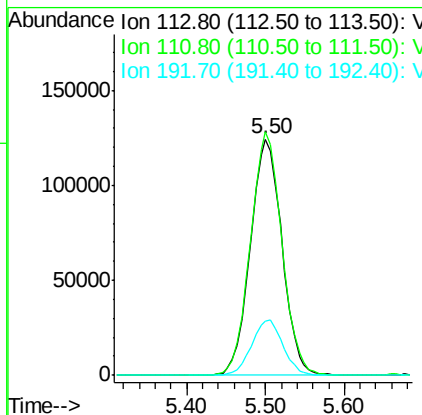
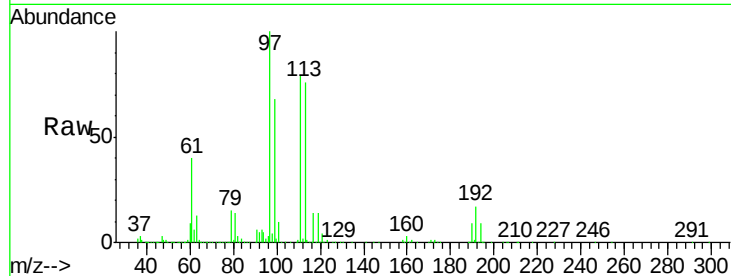
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	346683		
111	102.4	81.6	122.4	
192	23.2	16.7	25.1	

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1/10/2019 10:54:03 AM



#36

1,1-Dichloropropene

Concen: 53.595 ug/l

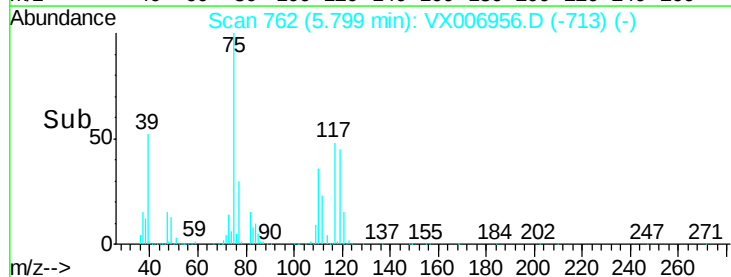
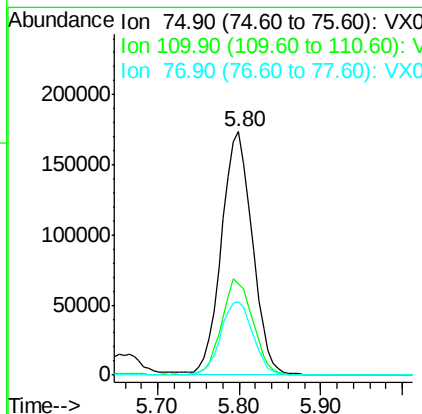
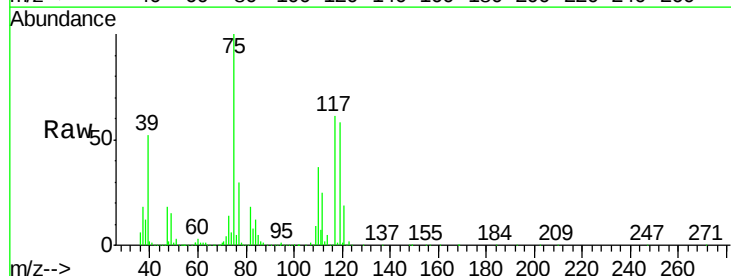
RT: 5.80 min Scan# 762

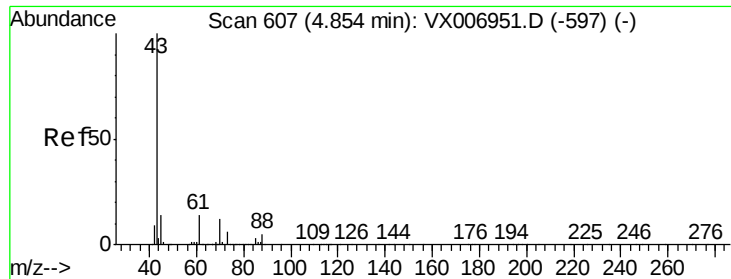
Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	454497		
110	39.9	20.2	60.5	
77	31.1	24.8	37.2	





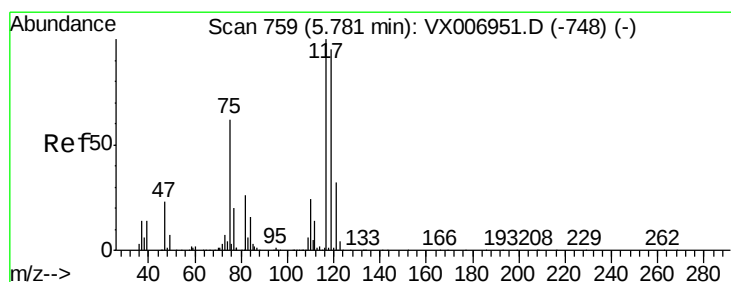
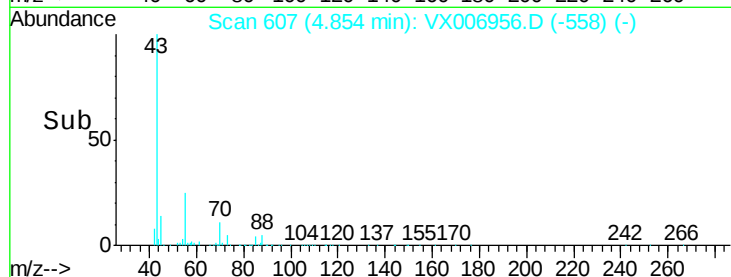
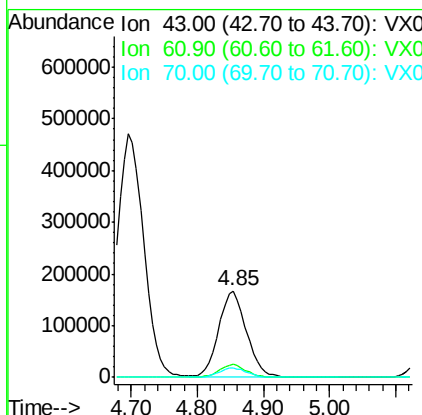
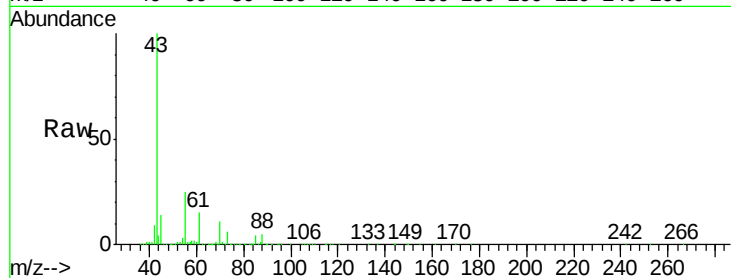
#37
Ethyl Acetate
Concen: 53.332 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.9	17.9
70	11.0	9.7	14.5

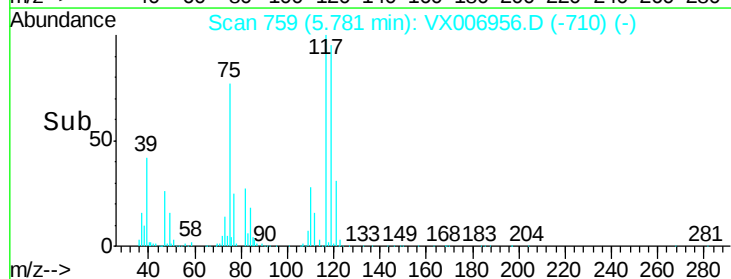
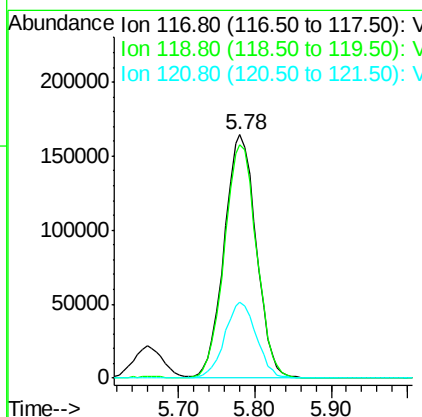
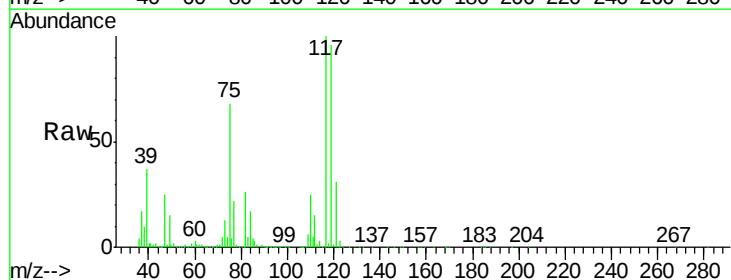
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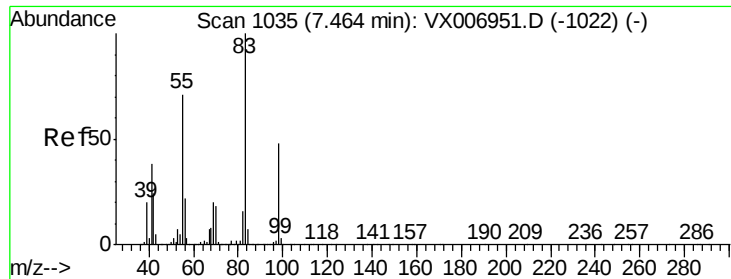
MMDadoda
1/10/2019 10:54:03 AM



#38
Carbon Tetrachloride
Concen: 55.683 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	79.4	119.2
121	31.0	24.0	36.0





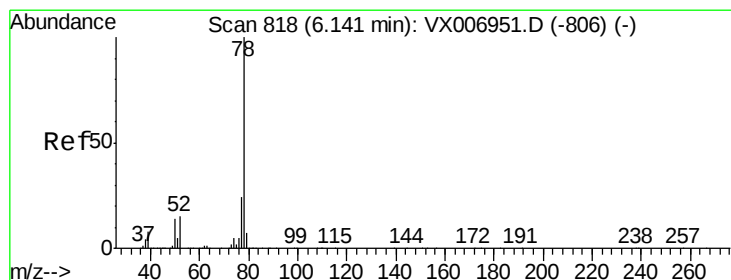
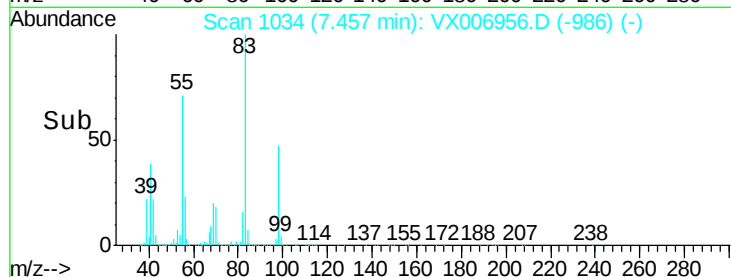
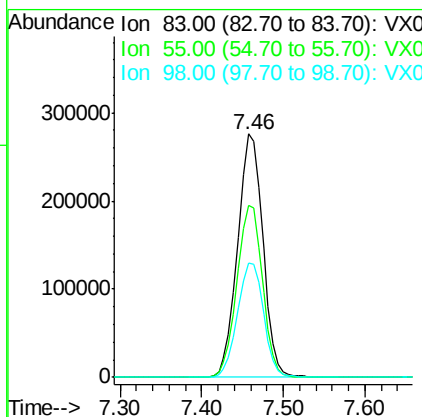
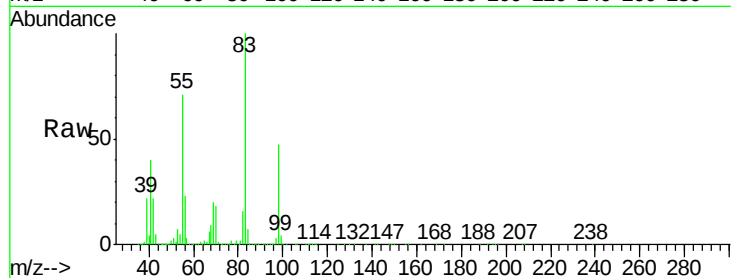
#39
Methvlcvclohexane
Concen: 54.790 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	54.9	82.3
98	46.8	37.9	56.9

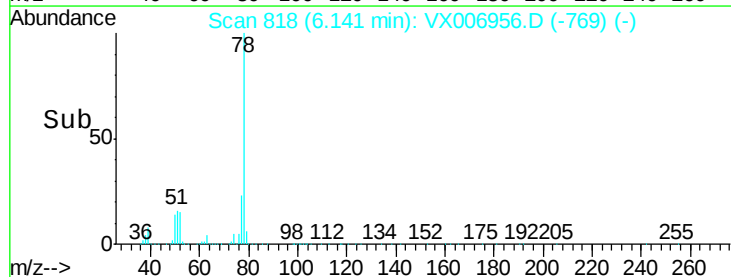
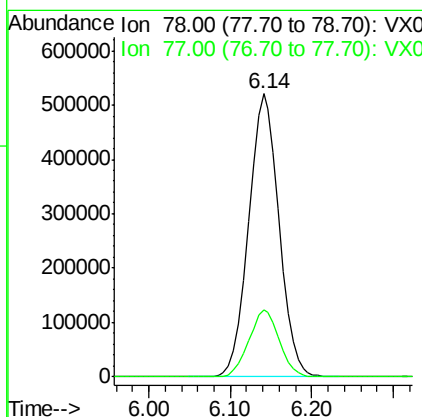
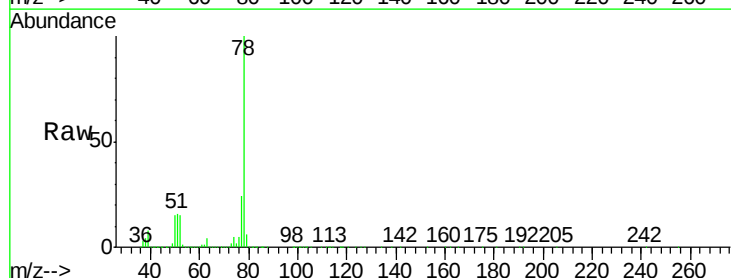
Manual Integrations
APPROVED

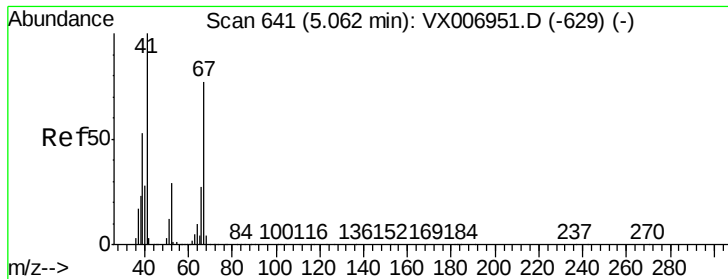
MMDadoda
1/10/2019 10:54:03 AM



#40
Benzene
Concen: 52.144 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





#41

Methacrylonitrile

Concen: 50.685 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		265462		
39	54.3	42.8	64.2		
67	74.1	62.1	93.1		
52	29.1	23.4	35.0		

Instrument :

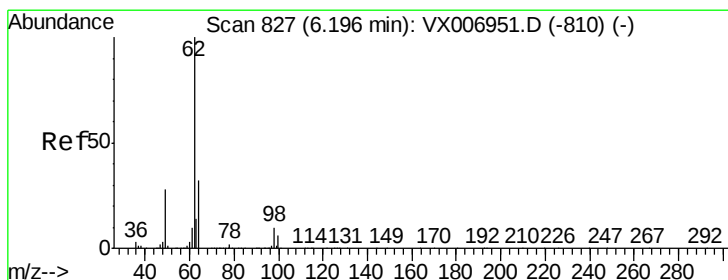
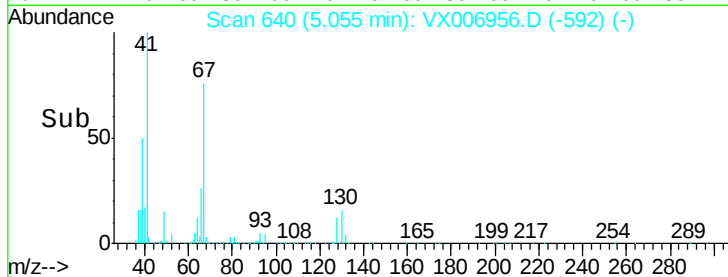
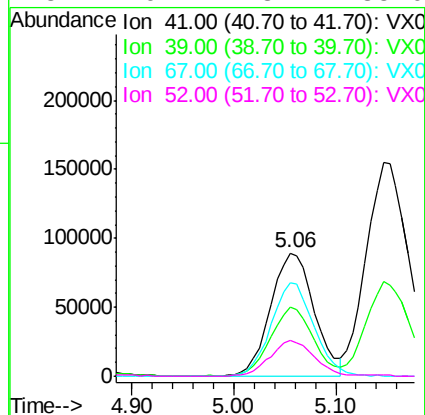
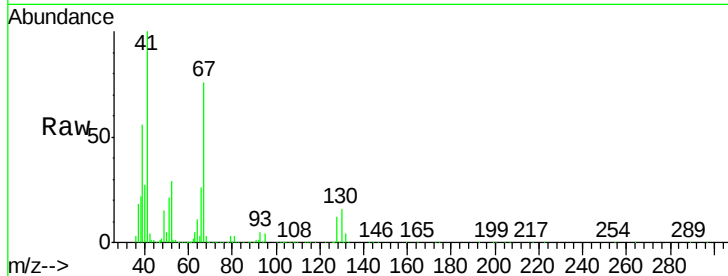
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:03 AM



#42

1,2-Dichloroethane

Concen: 50.774 ug/l

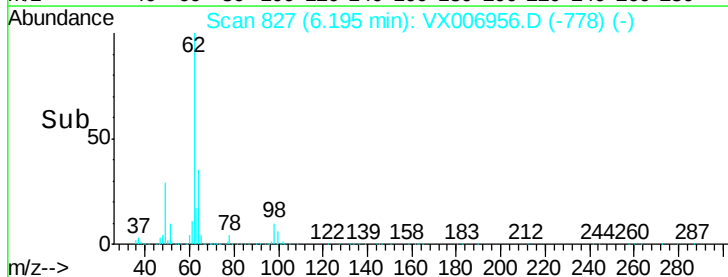
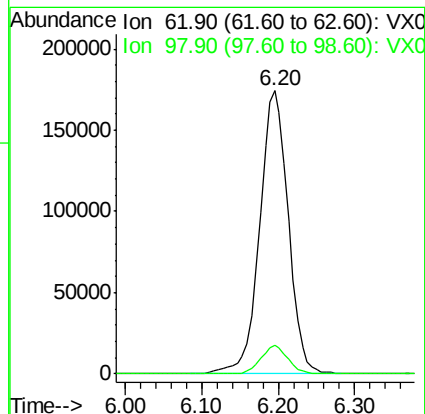
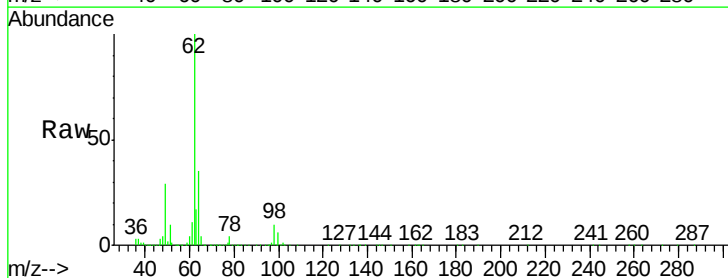
RT: 6.20 min Scan# 827

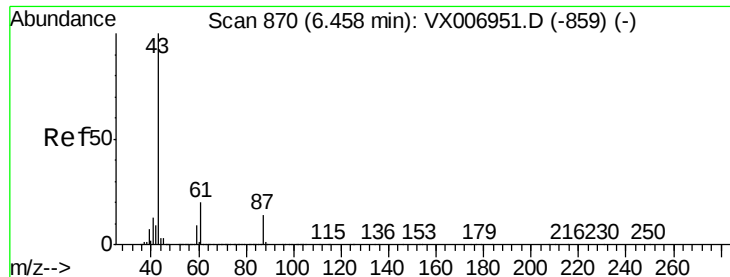
Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		454006		
98	9.6	0.0	20.2		





#43

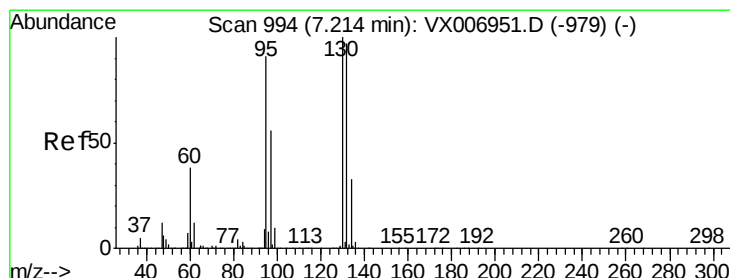
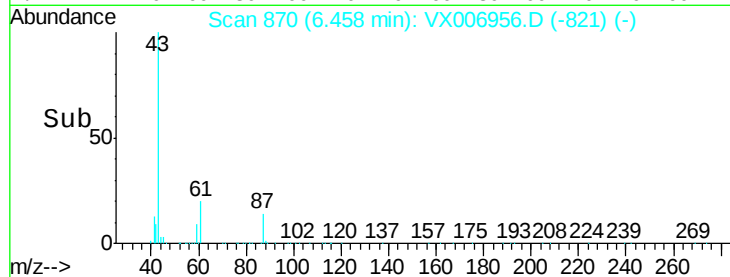
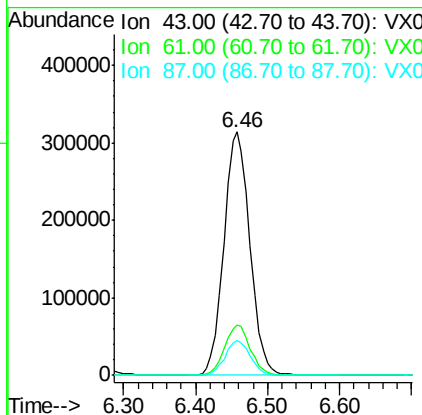
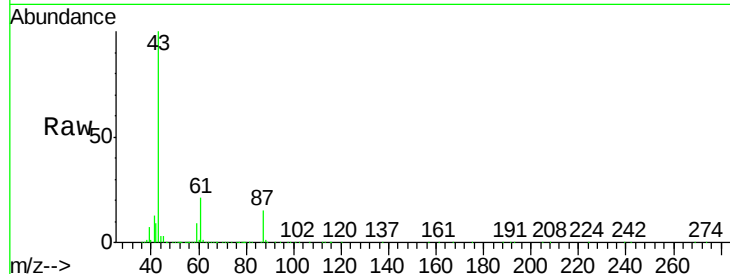
Isopropyl Acetate
 Concen: 54.703 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006956.D
 Acq: 09 Jan 2019 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.8	25.2
87	14.2	12.4	18.6

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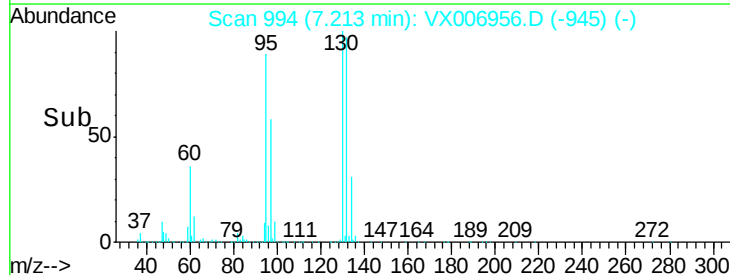
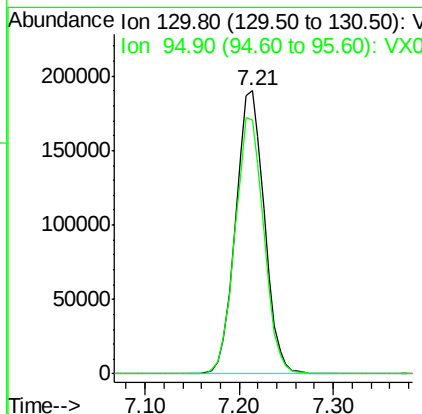
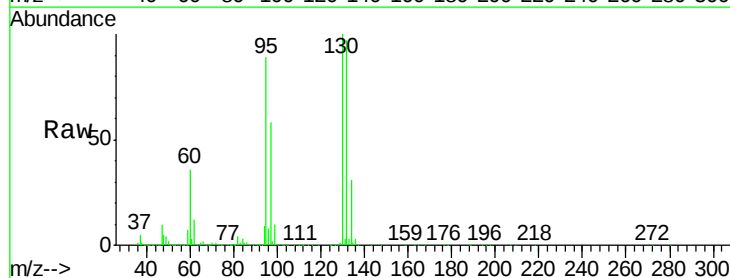
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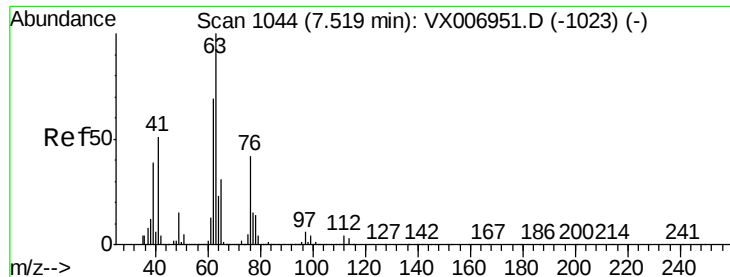


#44

Trichloroethene
 Concen: 52.183 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006956.D
 Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	187.0





#45

1,2-Dichloropropane

Concen: 52.430 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 341067

Ion Ratio Lower Upper

63 100

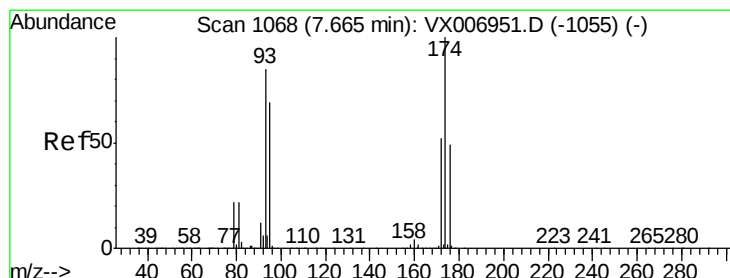
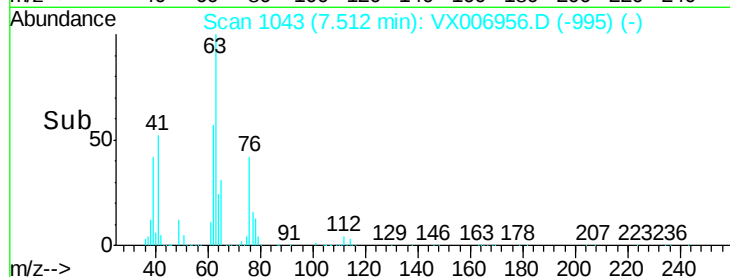
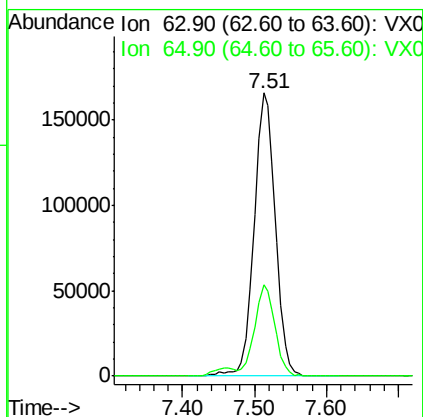
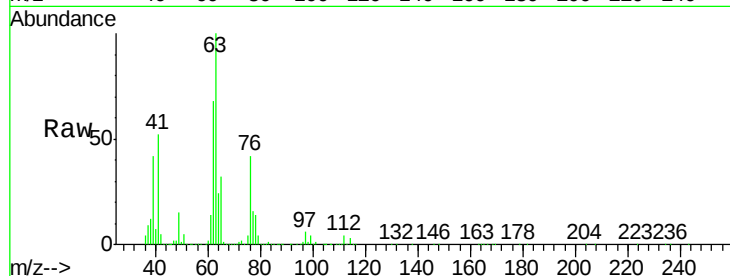
65 32.2 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 53.467 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

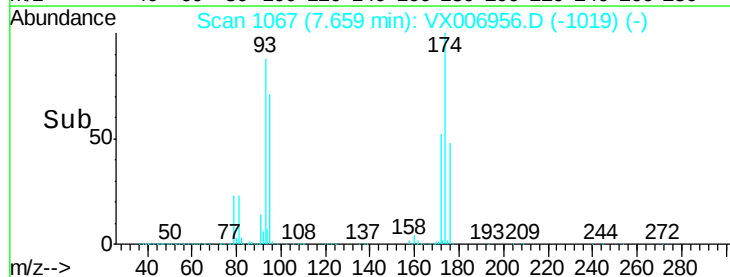
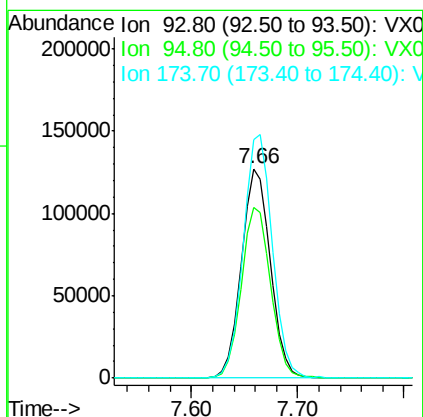
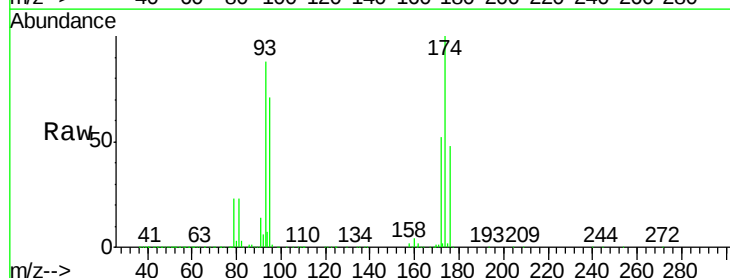
Tgt Ion: 93 Resp: 244444

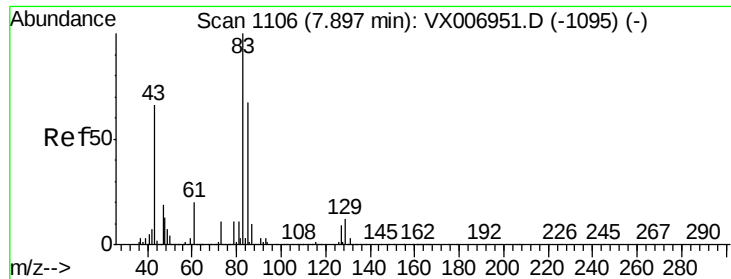
Ion Ratio Lower Upper

93 100

95 82.2 66.2 99.4

174 116.6 91.0 136.4





#47

Bromodichloromethane

Concen: 56.991 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

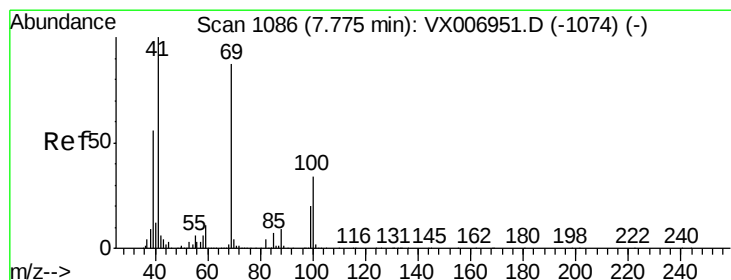
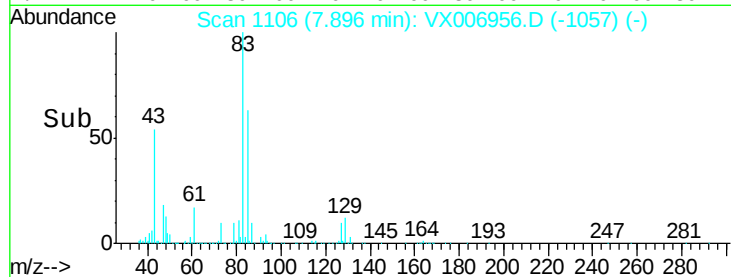
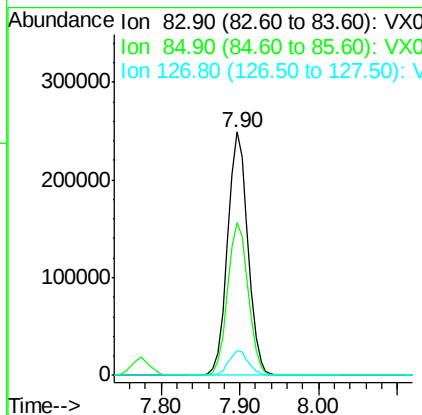
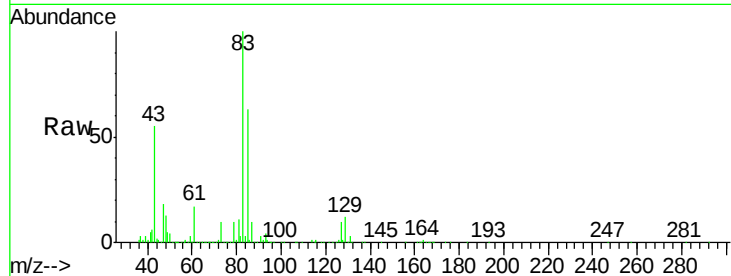
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	443507
Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.2	79.8
127	10.3	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.885 ug/l

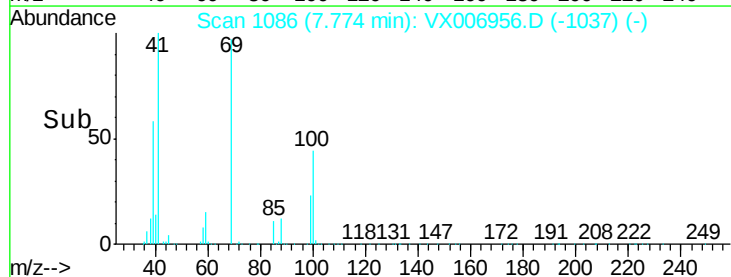
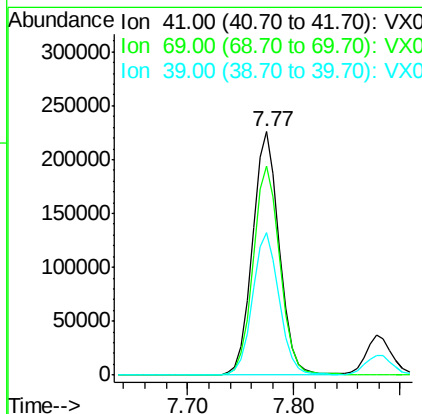
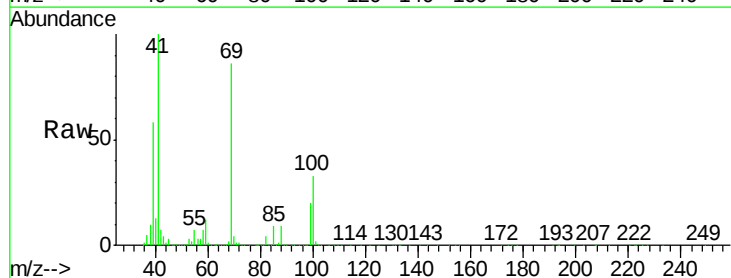
RT: 7.77 min Scan# 1086

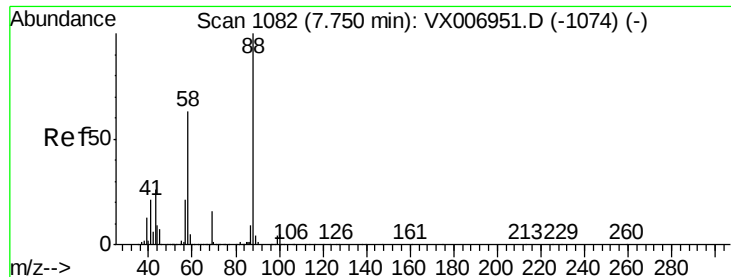
Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Tgt Ion:	41	Resp:	396833
Ion	Ratio	Lower	Upper
41	100		
69	86.3	72.4	108.6
39	58.9	45.8	68.8





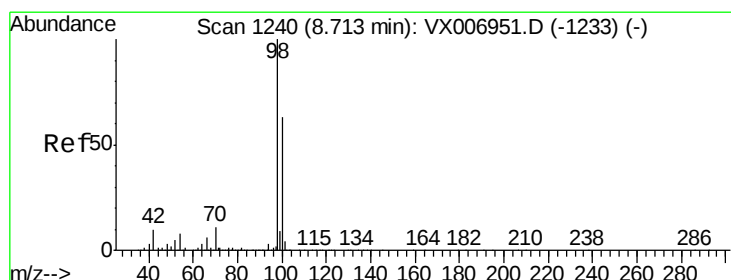
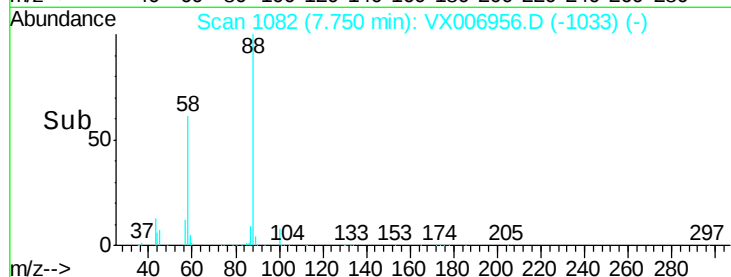
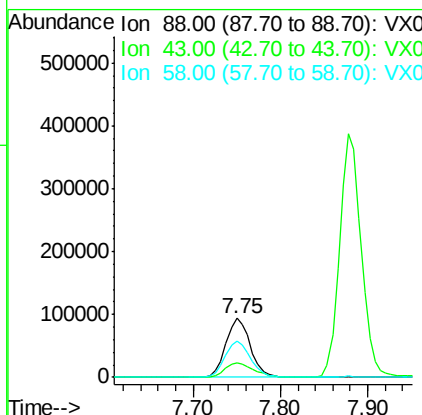
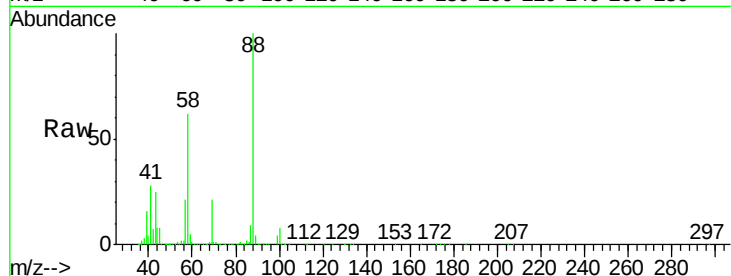
#49
1,4-Dioxane
Concen: 1086.726 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	22.2	33.4
58	64.0	51.0	76.4

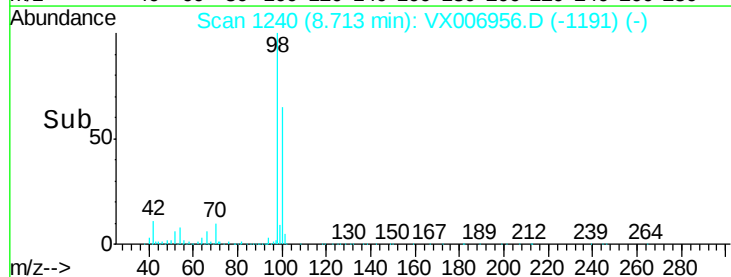
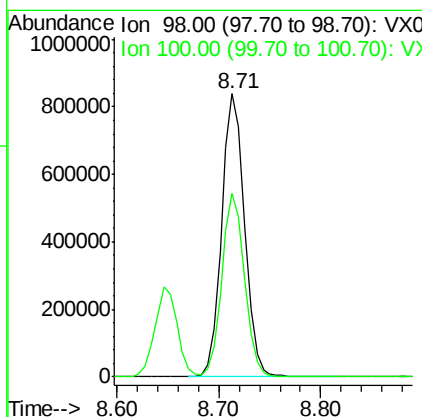
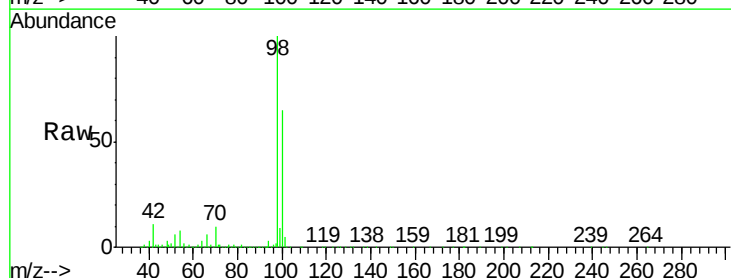
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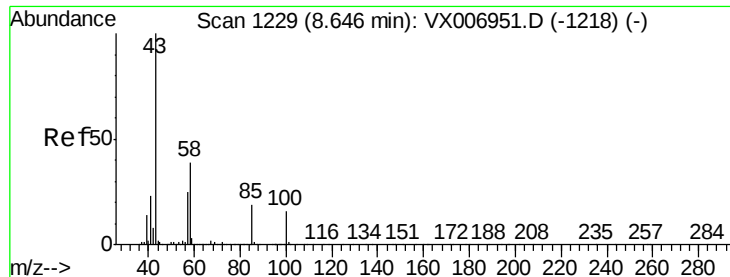
MMDadoda
1/10/2019 10:54:03 AM



#50
Toluene-d8
Concen: 57.090 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 270.812 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2495850

Ion Ratio Lower Upper

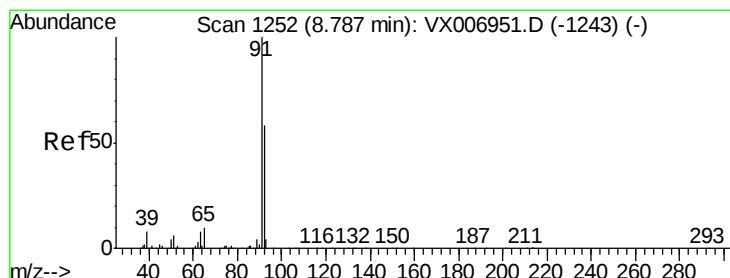
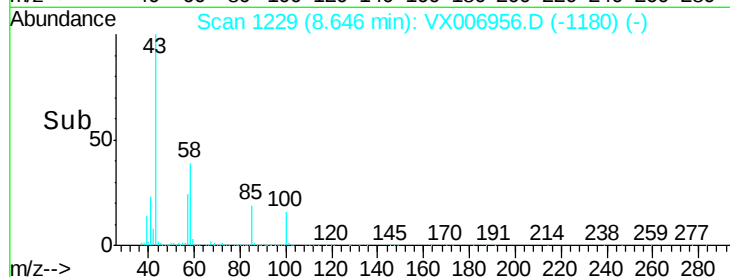
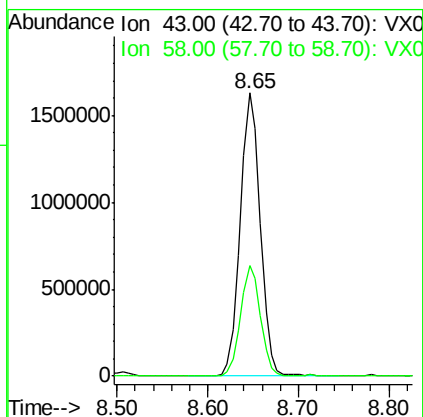
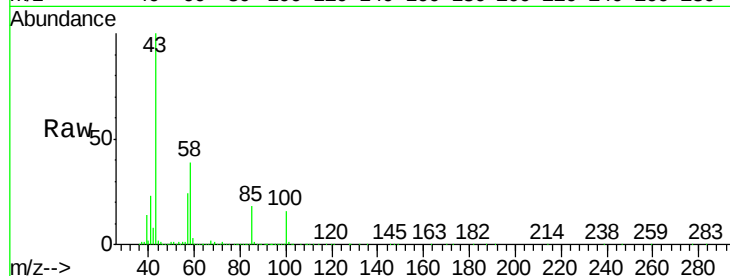
43 100

58 38.9 31.8 47.6

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#52

Toluene

Concen: 53.408 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006956.D

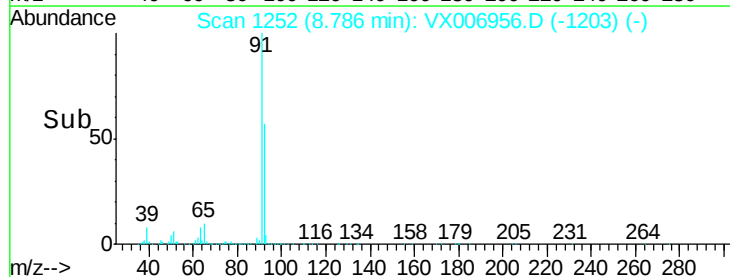
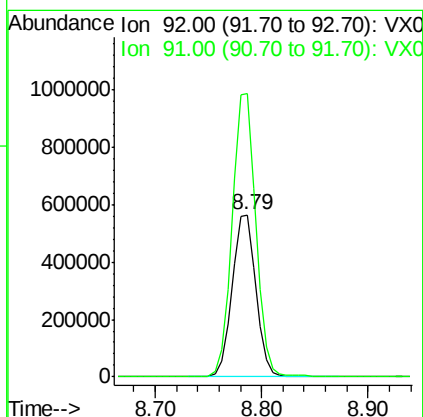
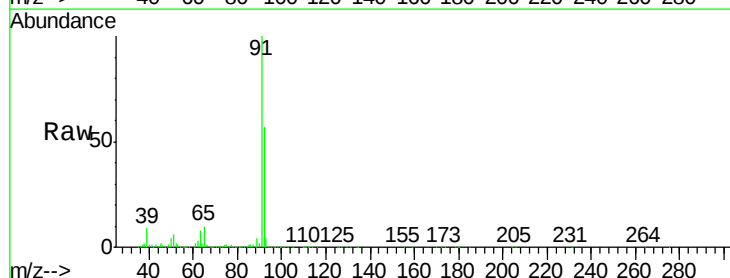
Acq: 09 Jan 2019 10:17

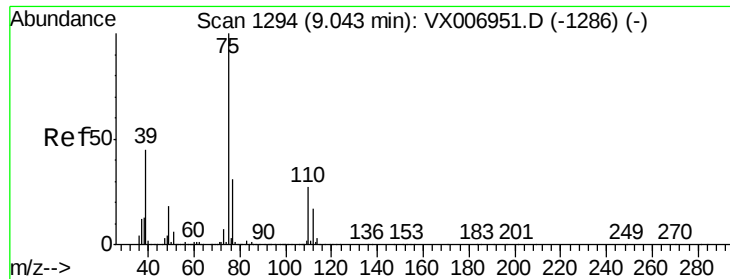
Tgt Ion: 92 Resp: 888243

Ion Ratio Lower Upper

92 100

91 174.2 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 58.884 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 508130

Ion Ratio Lower Upper

75 100

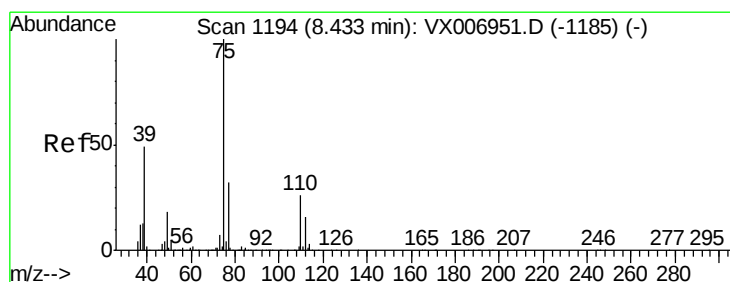
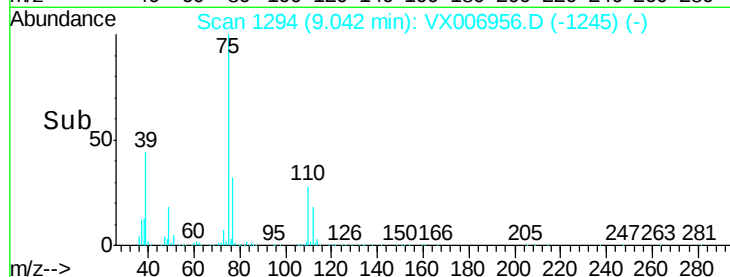
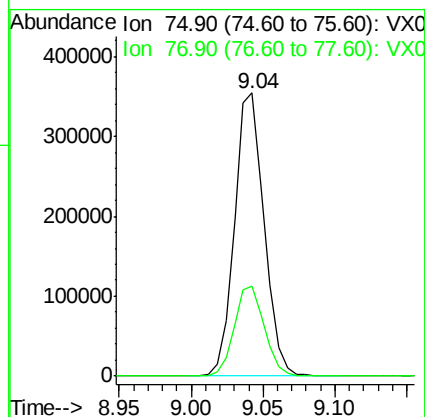
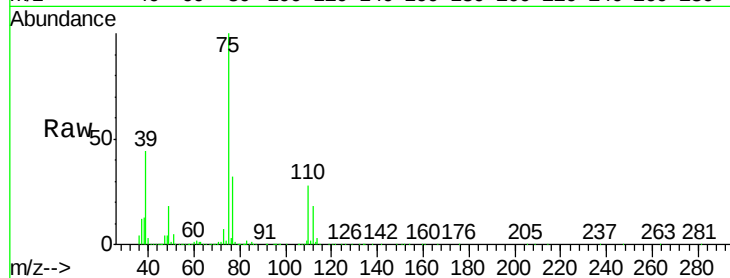
77 31.8 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 57.599 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

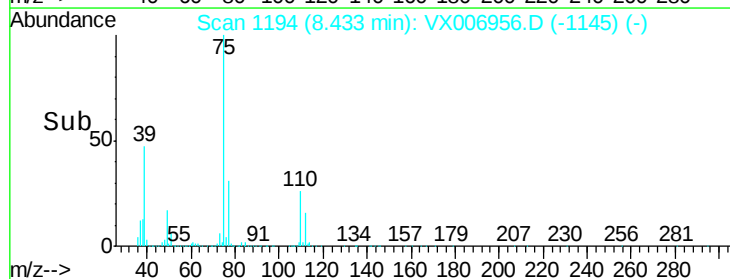
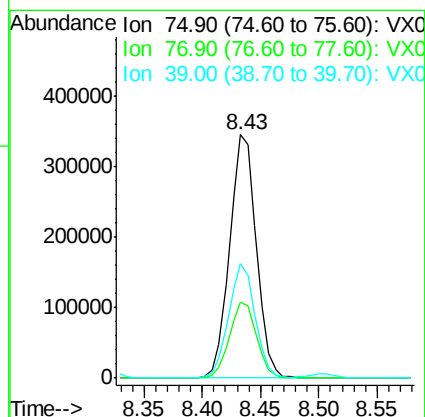
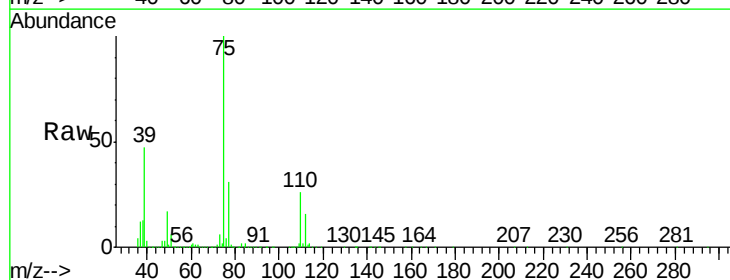
Tgt Ion: 75 Resp: 548894

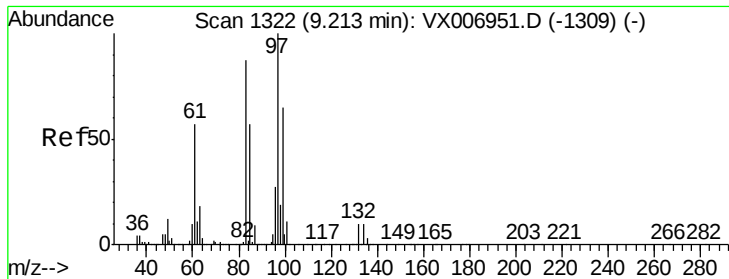
Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

39 46.9 36.7 55.1





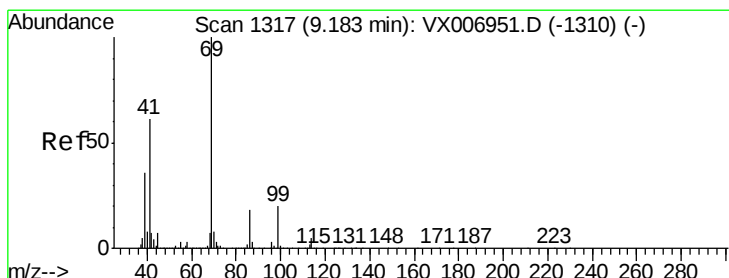
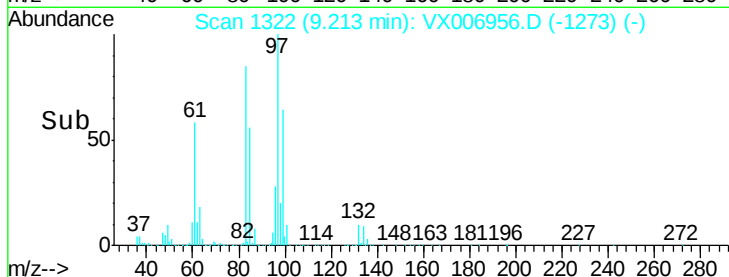
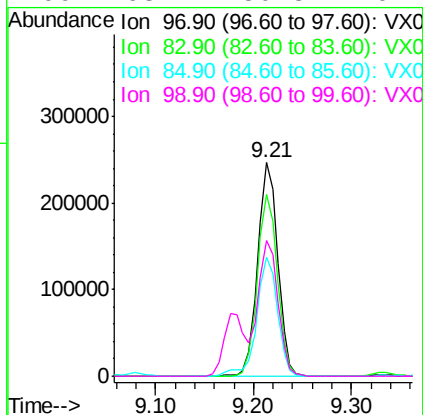
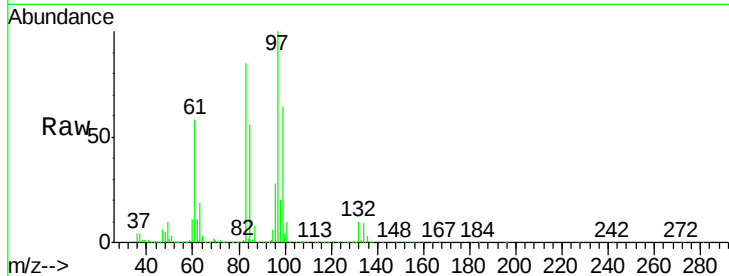
#55
 1,1,2-Trichloroethane
 Concen: 53.233 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006956.D
 Acq: 09 Jan 2019 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	354361
Ion Ratio	Lower	Upper	
97	100		
83	85.4	66.6	99.8
85	55.9	42.7	64.1
99	63.7	50.8	76.2

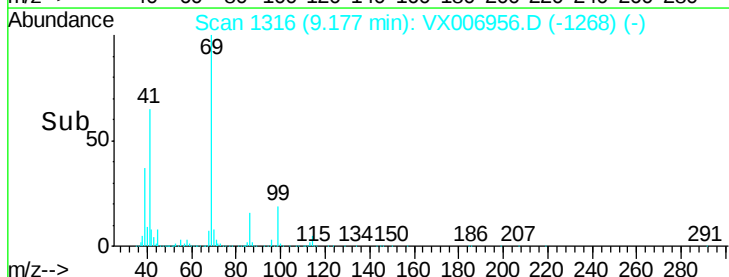
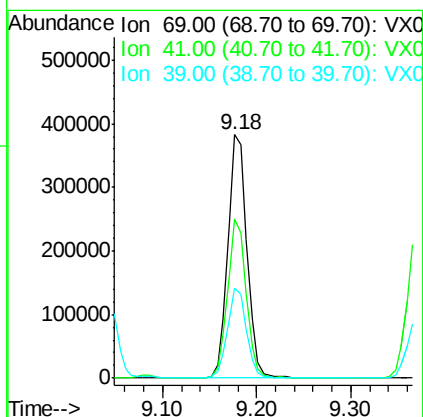
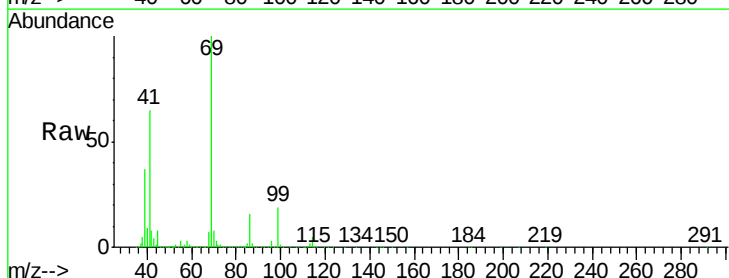
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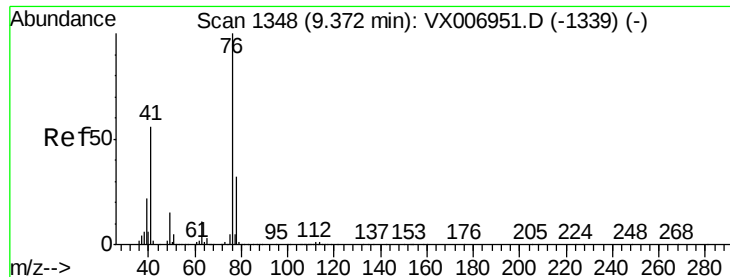
MMDadoda
 1/10/2019 10:54:03 AM



#56
 Ethyl methacrylate
 Concen: 55.445 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX006956.D
 Acq: 09 Jan 2019 10:17

Tgt Ion:	69	Resp:	538823
Ion Ratio	Lower	Upper	
69	100		
41	63.8	48.7	73.1
39	36.6	27.0	40.6





#57

1,3-Dichloropropane

Concen: 53.002 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 578024

Ion Ratio Lower Upper

76 100

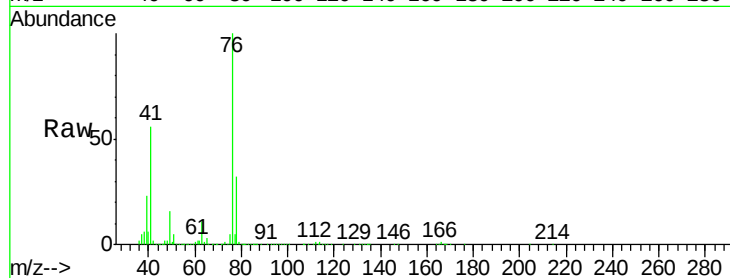
78 32.5 26.0 39.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

400000

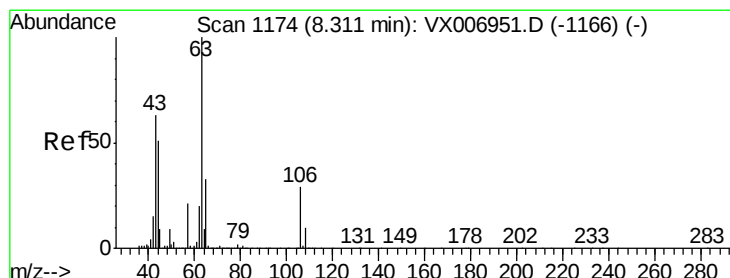
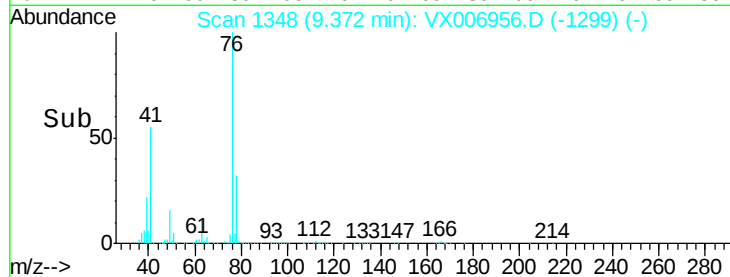
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 295.270 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006956.D

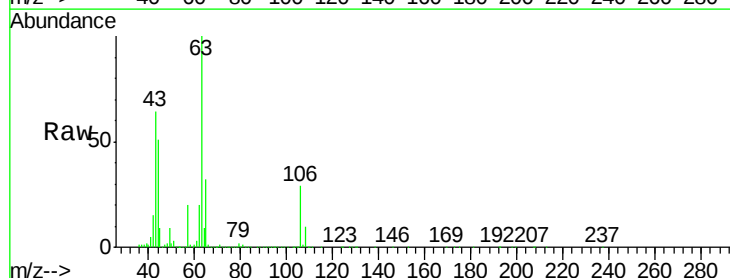
Acq: 09 Jan 2019 10:17

Tgt Ion: 63 Resp: 1475360

Ion Ratio Lower Upper

63 100

106 29.8 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

1000000

800000

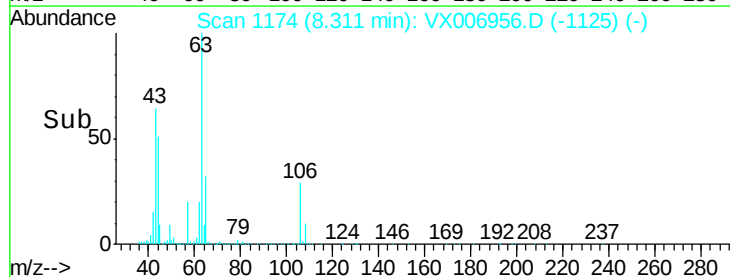
600000

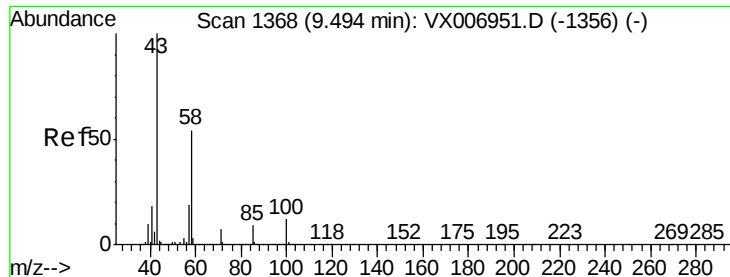
400000

200000

0

Time-->





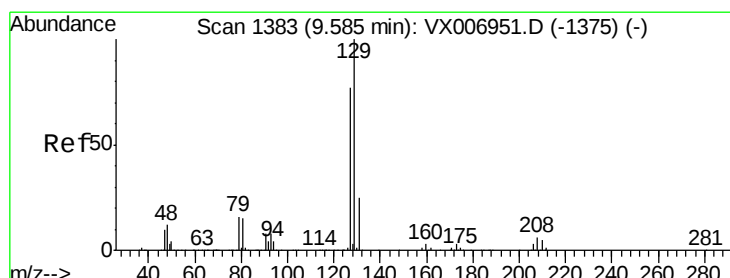
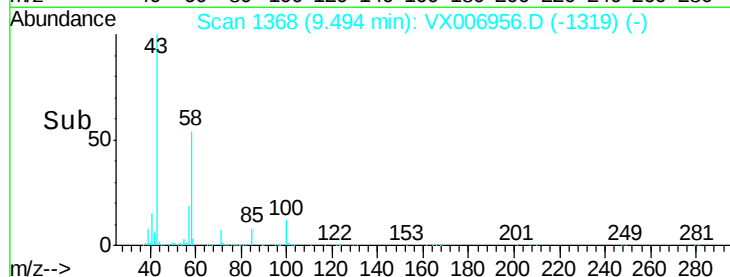
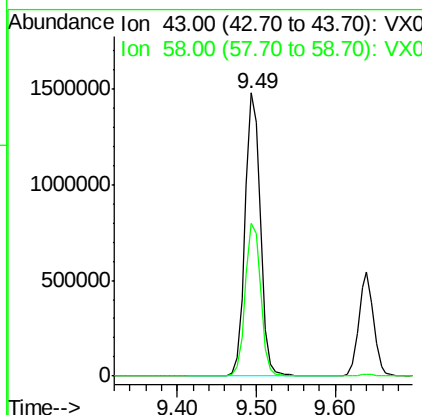
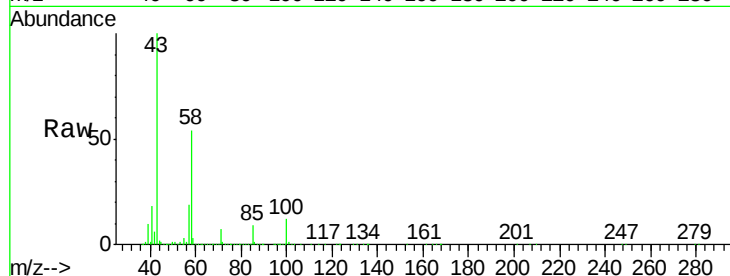
#59
2-Hexanone
Concen: 282.354 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1983041
Ion Ratio Lower Upper
43 100
58 54.3 27.7 83.1

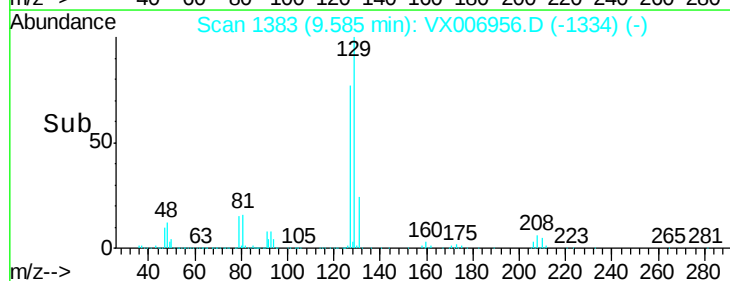
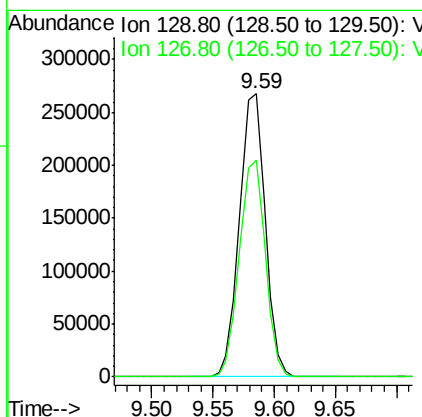
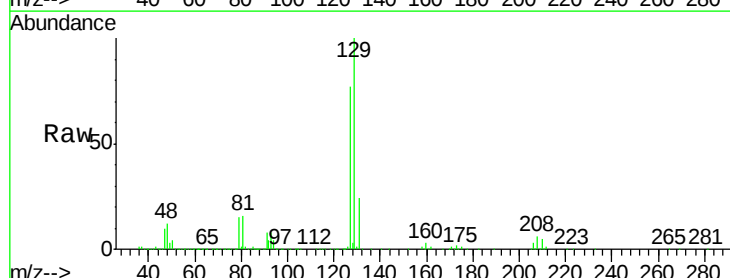
Manual Integrations
APPROVED

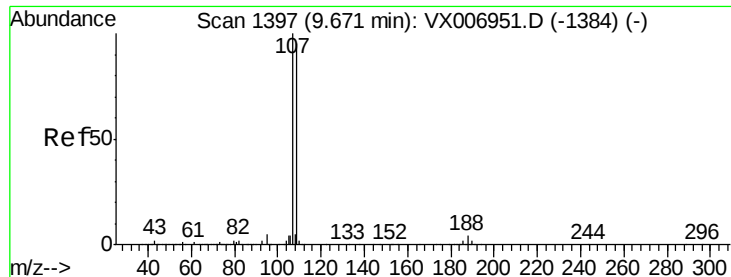
MMDadoda
1/10/2019 10:54:03 AM



#60
Dibromochloromethane
Concen: 60.591 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion: 129 Resp: 391658
Ion Ratio Lower Upper
129 100
127 77.6 39.3 117.8





#61

1,2-Dibromoethane

Concen: 53.800 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 394273

Ion Ratio Lower Upper

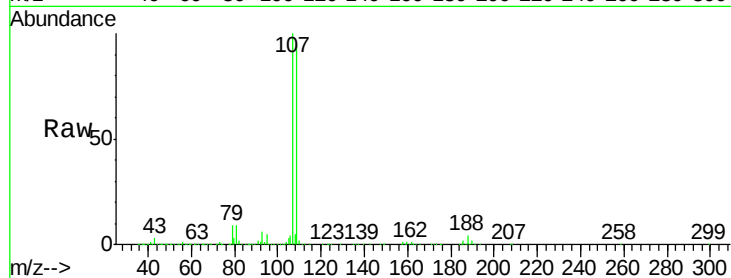
107 100

109 95.3 75.8 113.6

Manual Integrations
APPROVED

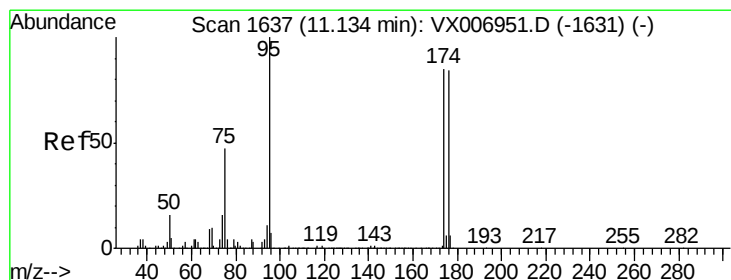
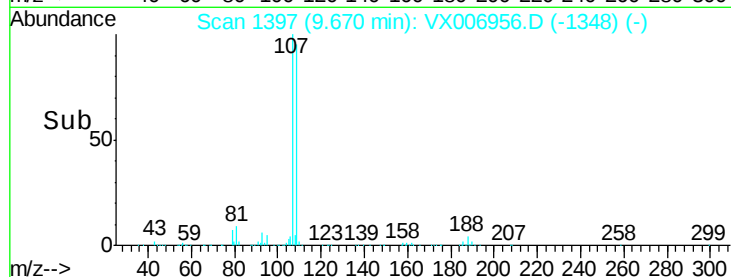
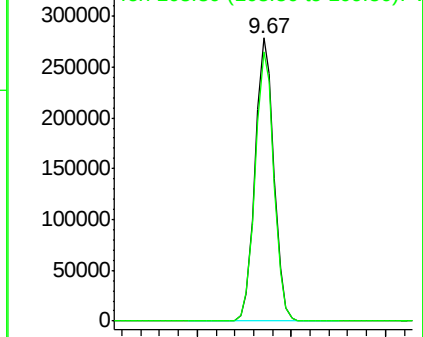
MMDadoda

1/10/2019 10:54:03 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 58.409 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

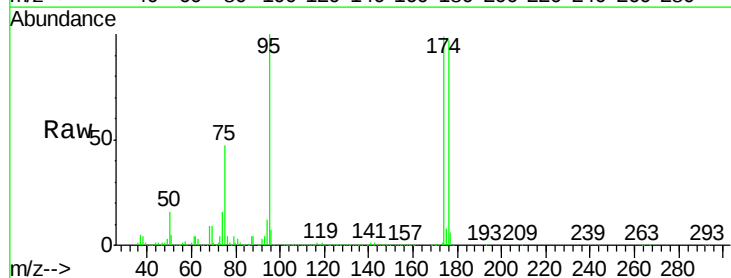
Tgt Ion: 95 Resp: 465569

Ion Ratio Lower Upper

95 100

174 94.6 0.0 182.2

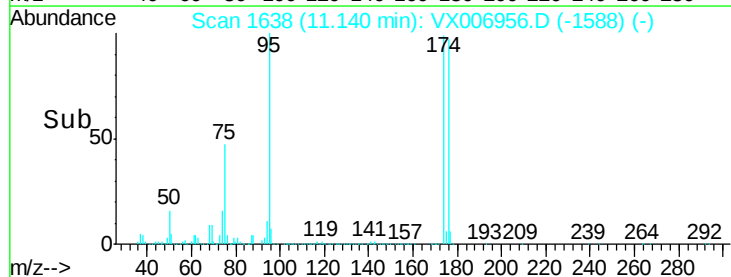
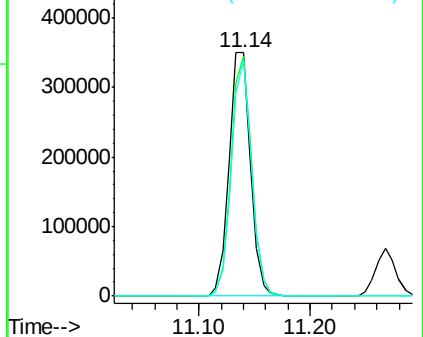
176 91.2 0.0 178.8

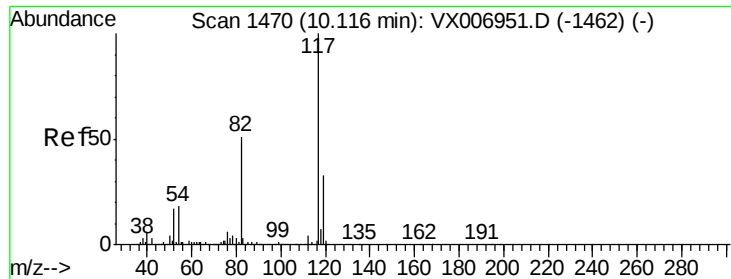


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





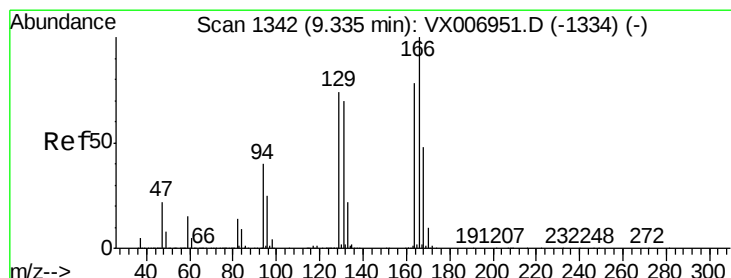
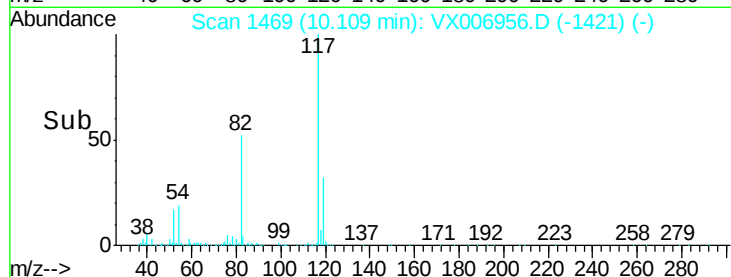
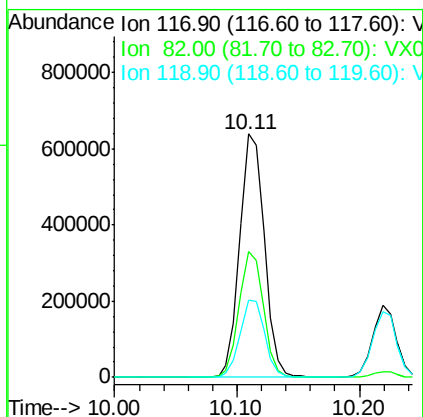
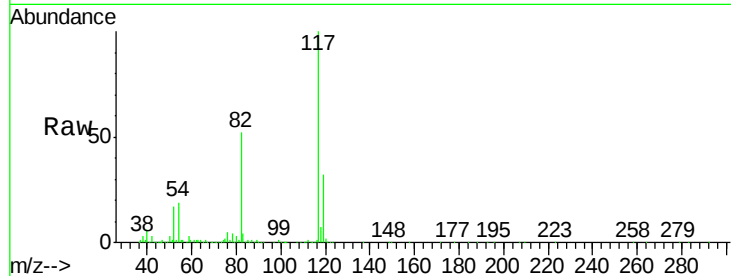
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.0	61.6
119	31.8	25.4	38.0

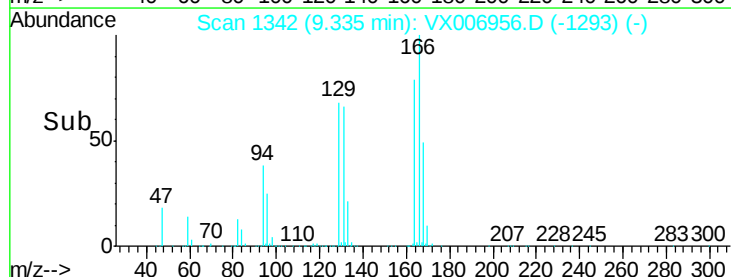
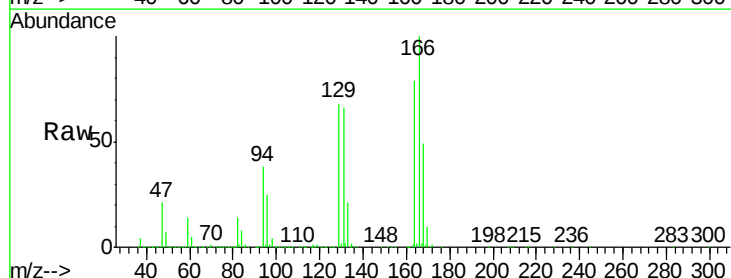
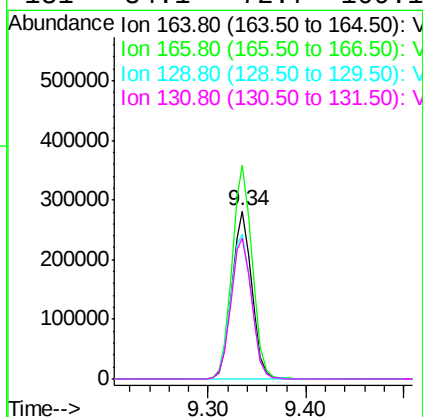
Manual Integrations
APPROVED

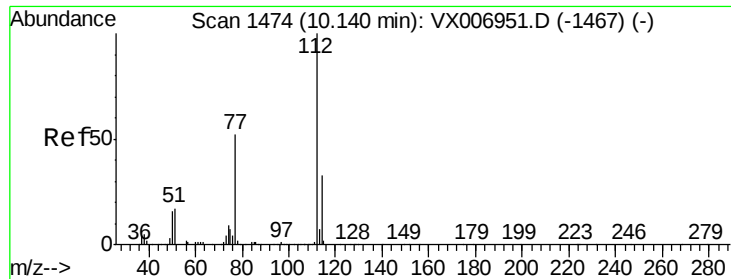
MMDadoda
1/10/2019 10:54:03 AM



#64
Tetrachloroethene
Concen: 51.458 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.5	153.7
129	86.4	75.1	112.7
131	84.1	72.7	109.1





#65

Chlorobenzene

Concen: 52.668 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1025852

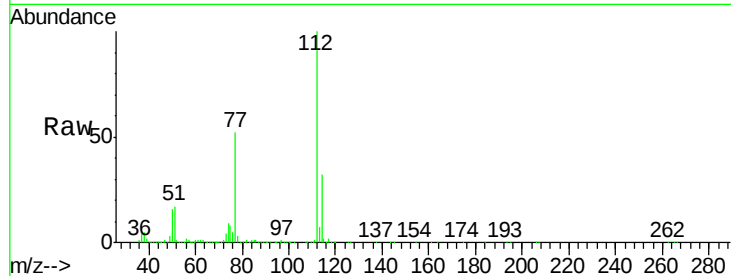
Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:03 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

800000

600000

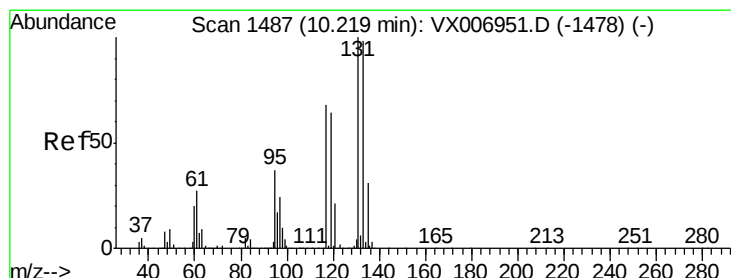
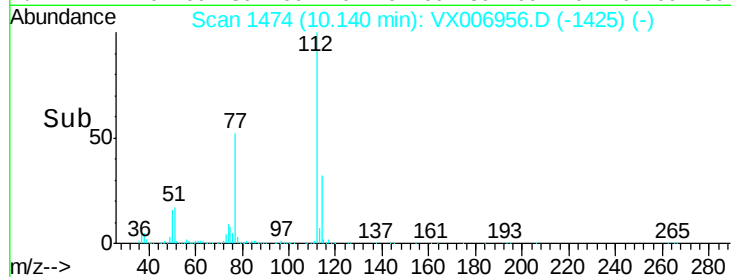
400000

200000

0

10.10 10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 56.687 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

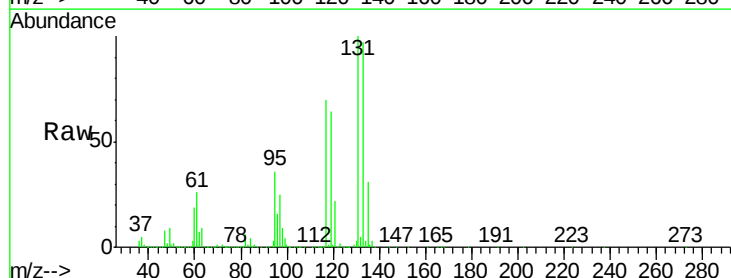
Tgt Ion:131 Resp: 371430

Ion Ratio Lower Upper

131 100

133 96.0 48.0 144.2

119 64.1 32.6 97.8



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

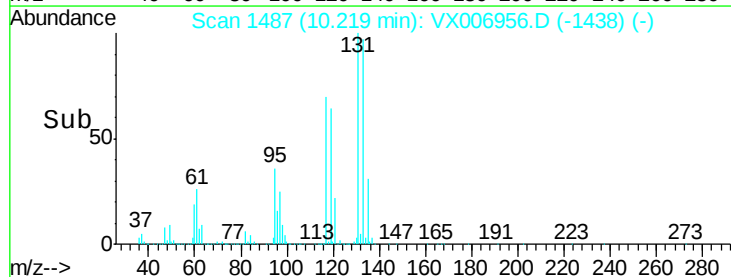
200000

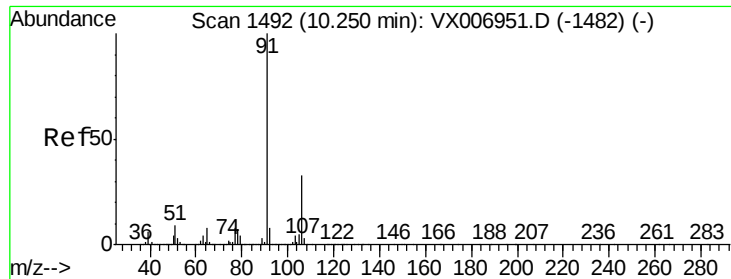
100000

0

10.20 10.30

Time-->





#67

Ethyl Benzene

Concen: 53.221 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1711334

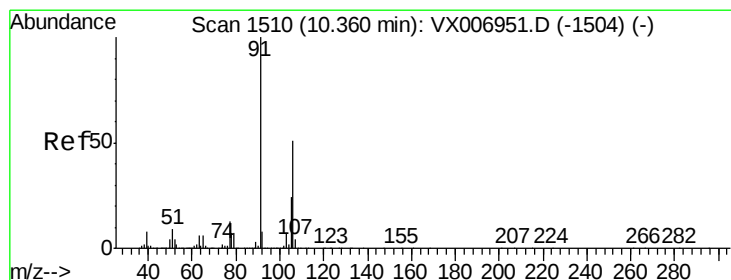
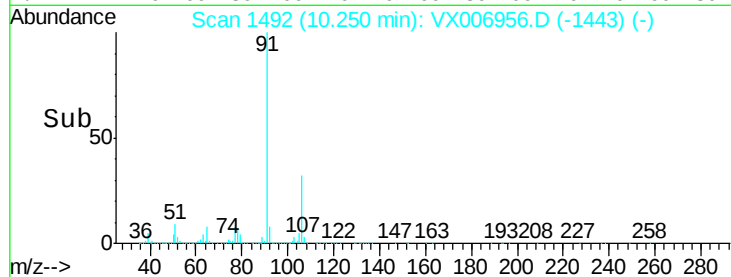
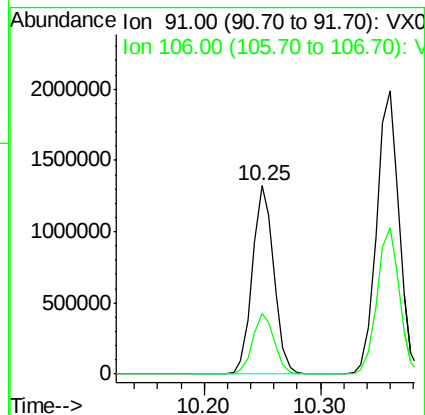
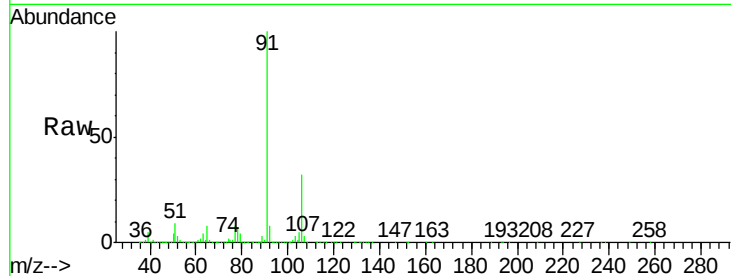
Ion Ratio Lower Upper

91 100

106 32.5 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:03 AM



#68

m/p-Xylenes

Concen: 108.485 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006956.D

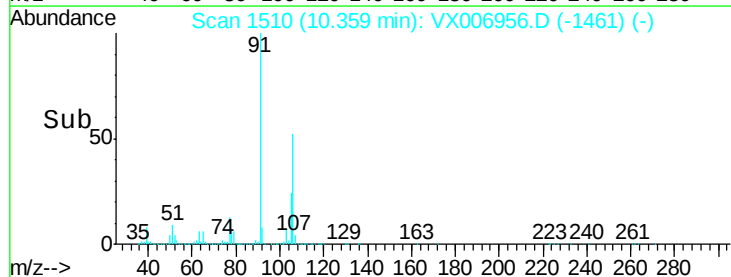
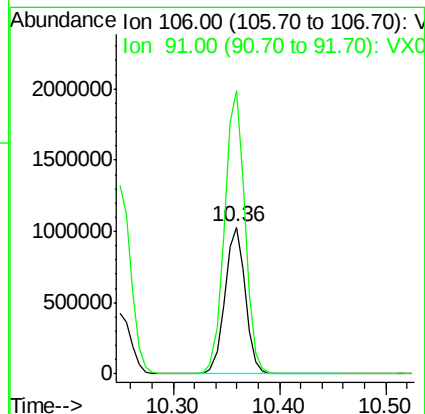
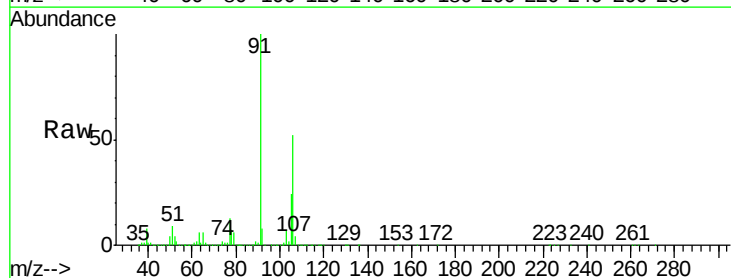
Acq: 09 Jan 2019 10:17

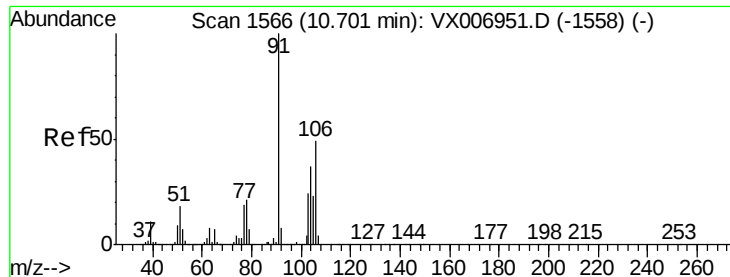
Tgt Ion: 106 Resp: 1374360

Ion Ratio Lower Upper

106 100

91 193.9 155.8 233.6





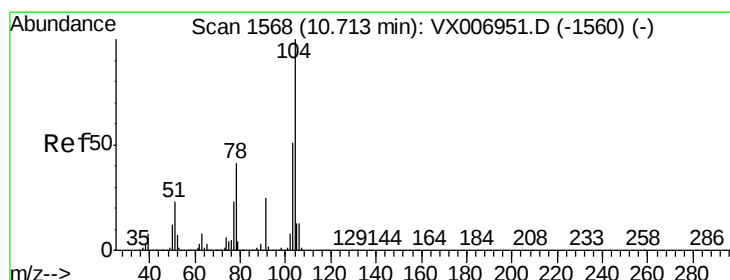
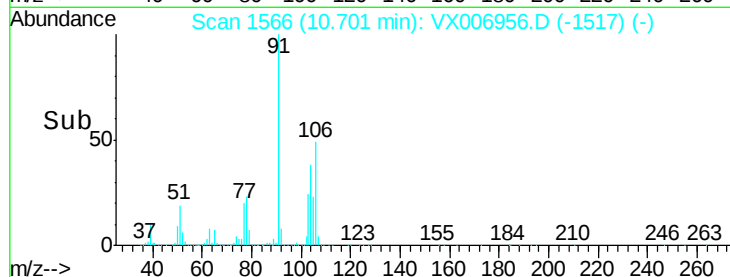
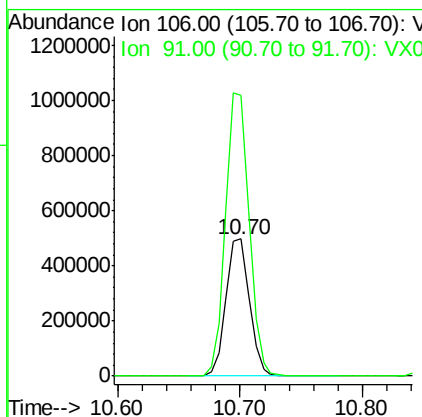
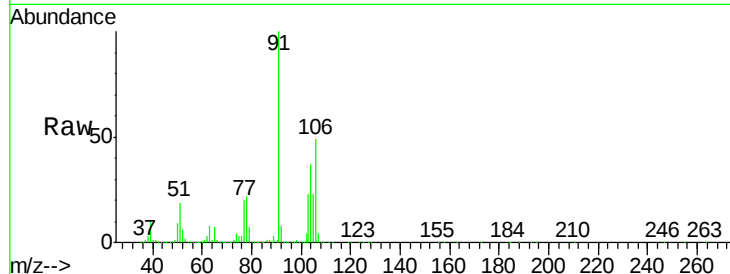
#69
o-Xylene
Concen: 53.378 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 659493
Ion Ratio Lower Upper
106 100
91 207.8 101.3 303.7

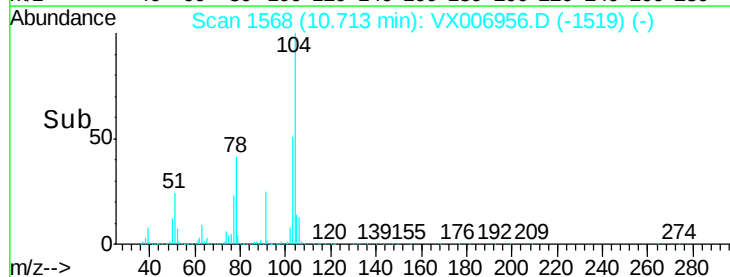
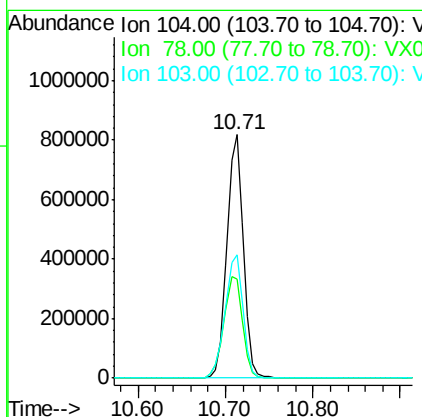
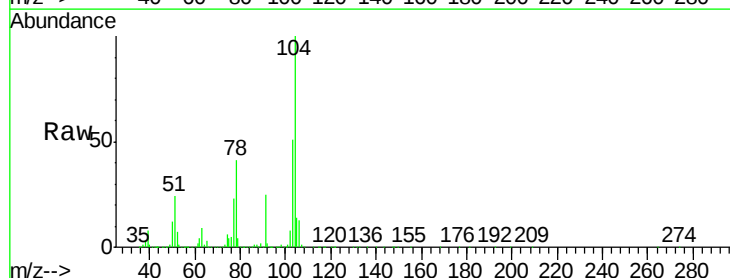
Manual Integrations
APPROVED

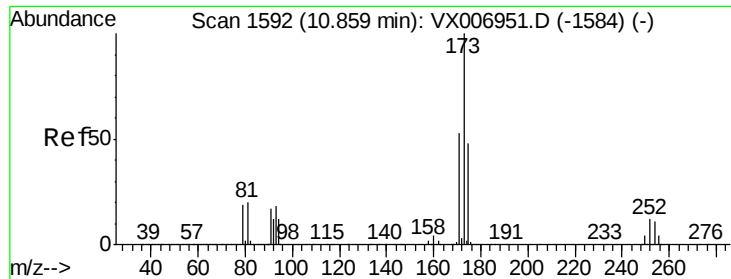
MMDadoda
1/10/2019 10:54:03 AM



#70
Styrene
Concen: 54.460 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion:104 Resp: 1065665
Ion Ratio Lower Upper
104 100
78 47.5 37.7 56.5
103 55.7 43.8 65.8





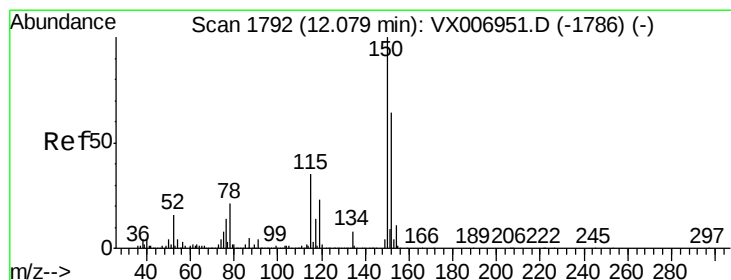
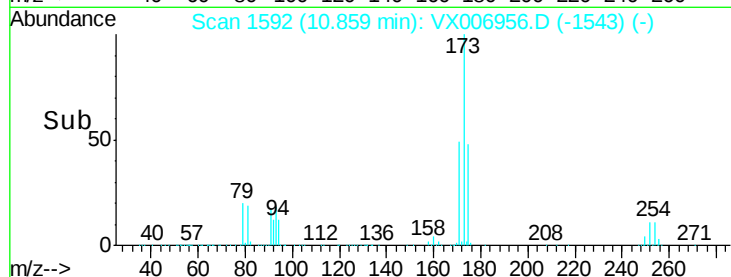
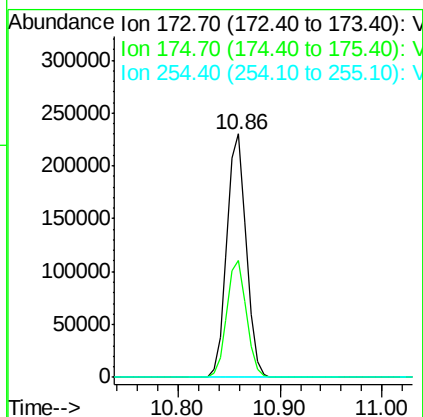
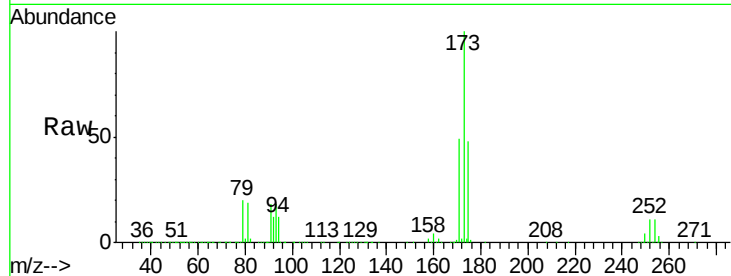
#71
Bromoform
Concen: 51.338 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.2	0.2	0.2

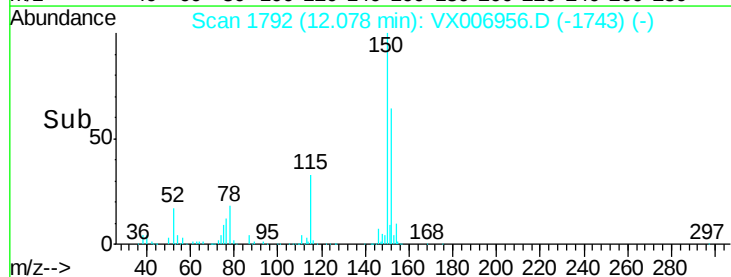
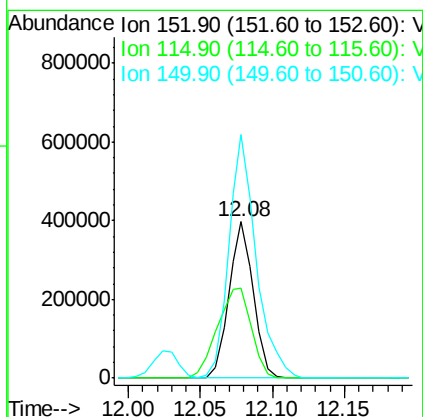
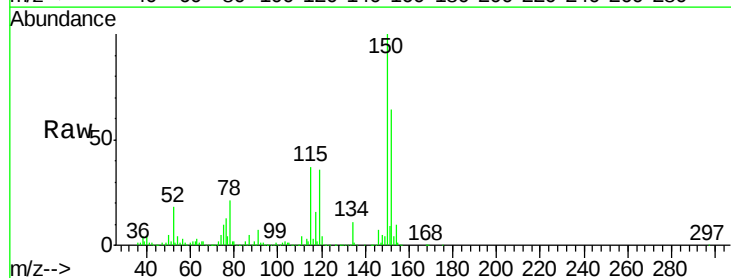
Manual Integrations
APPROVED

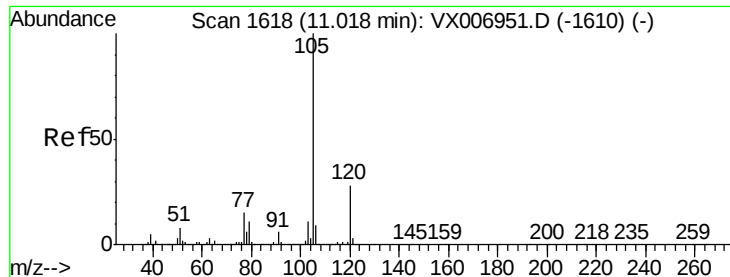
MMDadoda
1/10/2019 10:54:03 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.2	39.1	117.2
150	175.0	0.0	344.8





#73

Isopropylbenzene

Concen: 53.384 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1771960

Ion Ratio Lower Upper

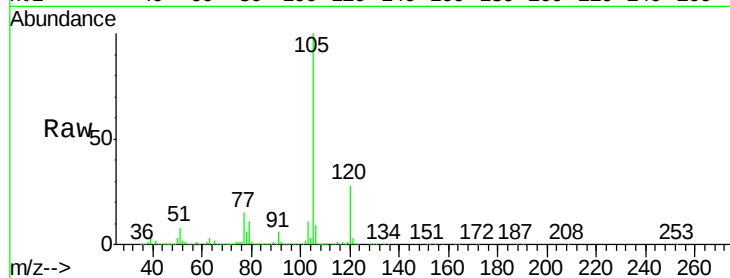
105 100

120 27.7 14.1 42.4

Manual Integrations
APPROVED

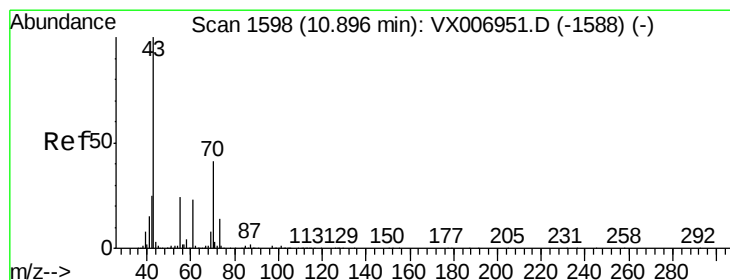
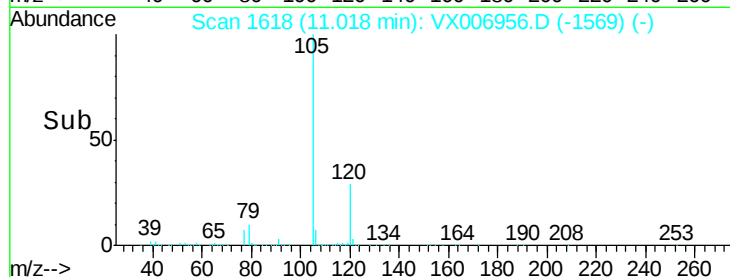
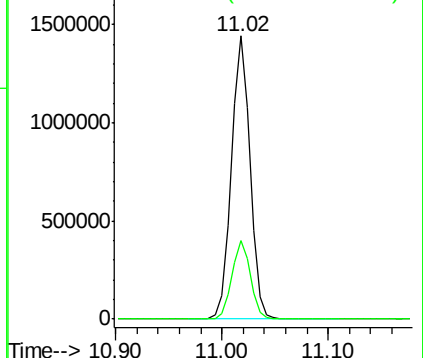
MMDadoda

1/10/2019 10:54:03 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.827 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Tgt Ion: 43 Resp: 705978

Ion Ratio Lower Upper

43 100

70 42.6 35.8 53.8

55 23.7 19.4 29.0

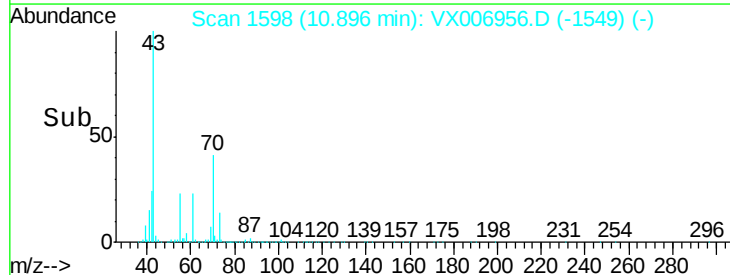
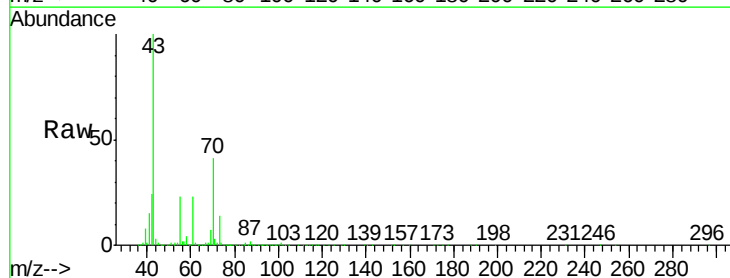
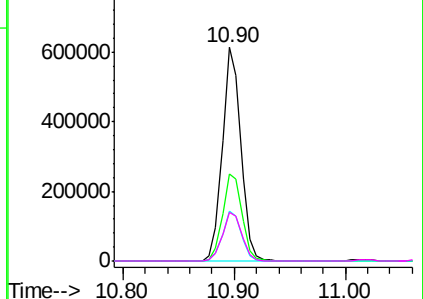
61 23.8 20.1 30.1

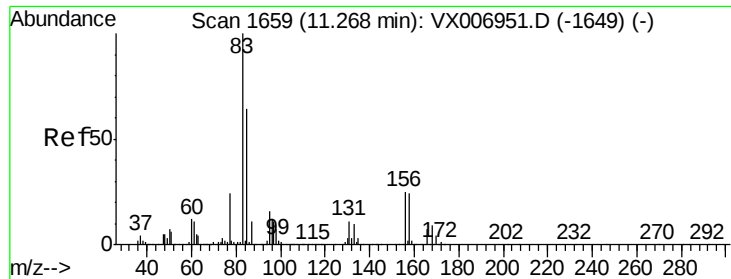
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.062 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 527529
Ion Ratio Lower Upper

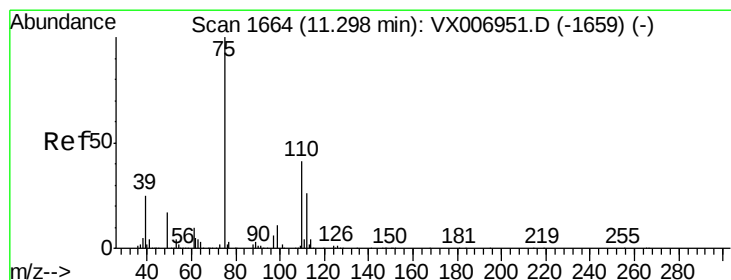
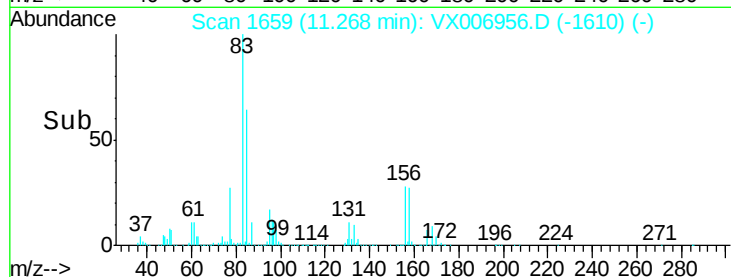
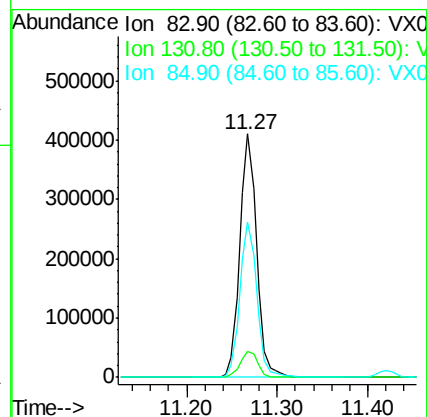
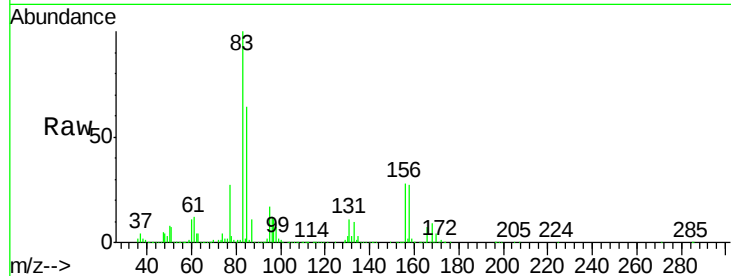
83 100

131 11.1 5.7 17.1

85 64.7 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.349 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

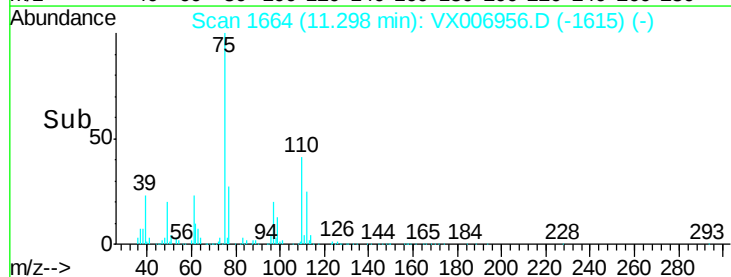
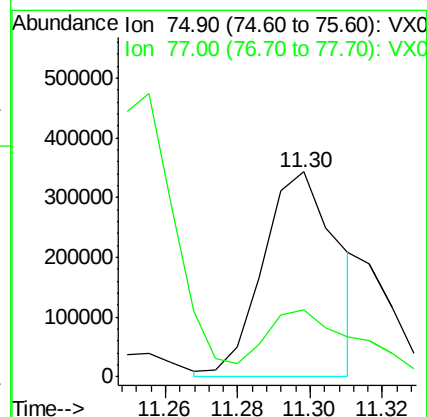
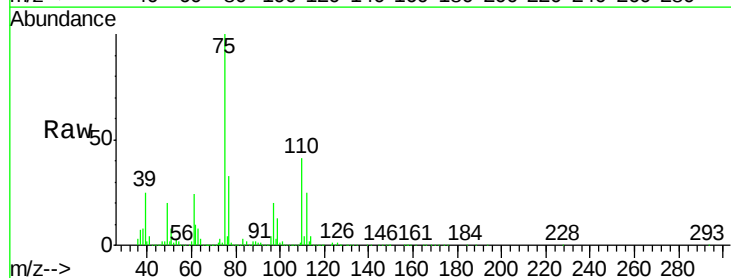
Lab File: VX006956.D

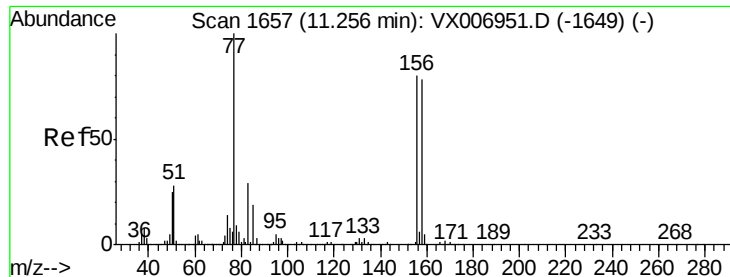
Acq: 09 Jan 2019 10:17

Tgt Ion: 75 Resp: 489822
Ion Ratio Lower Upper

75 100

77 39.9 18.5 55.5





#77

Bromobenzene

Concen: 51.225 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 468492

Ion Ratio Lower Upper

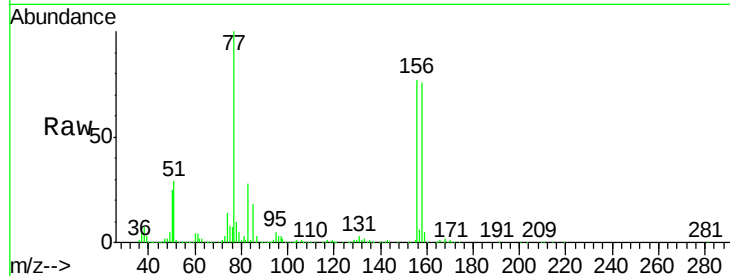
156 100

77 134.3 68.0 204.0

158 97.6 48.3 144.8

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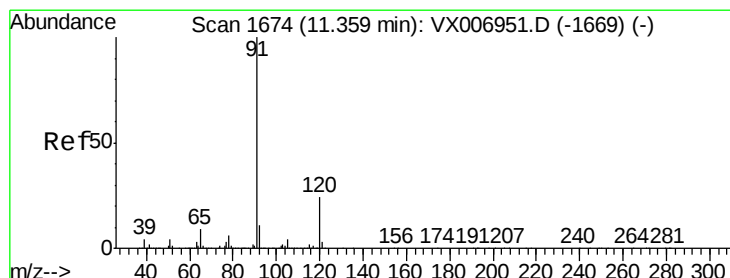
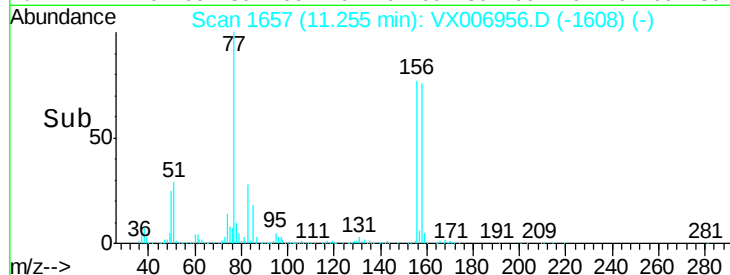
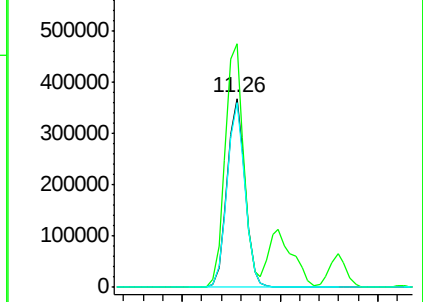
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.725 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006956.D

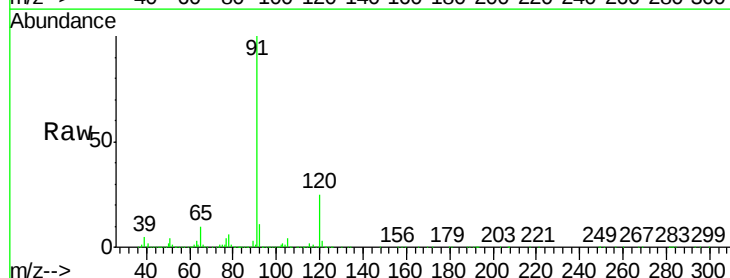
Acq: 09 Jan 2019 10:17

Tgt Ion: 91 Resp: 1994097

Ion Ratio Lower Upper

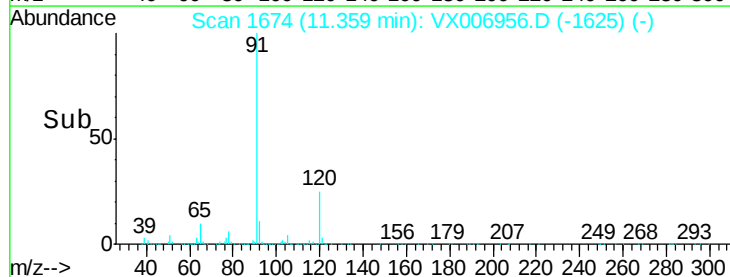
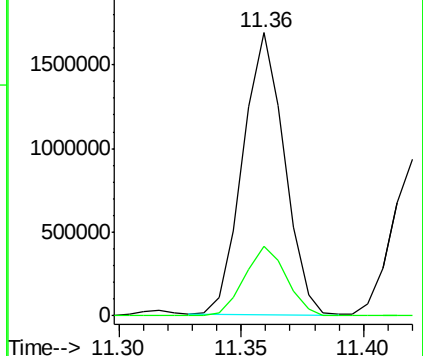
91 100

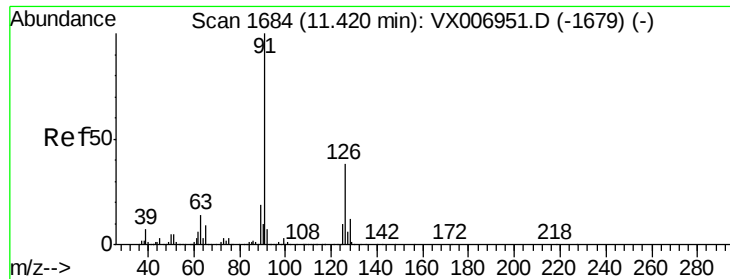
120 24.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





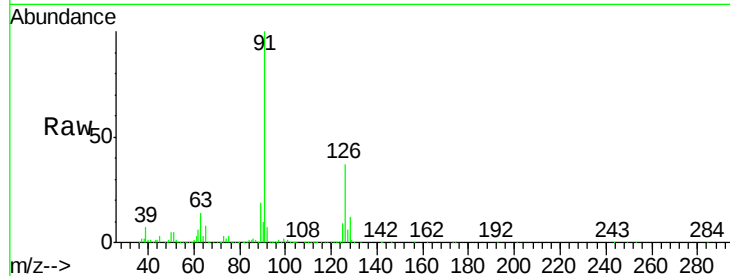
#79
 2-Chlorotoluene
 Concen: 52.103 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX006956.D
 Acq: 09 Jan 2019 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

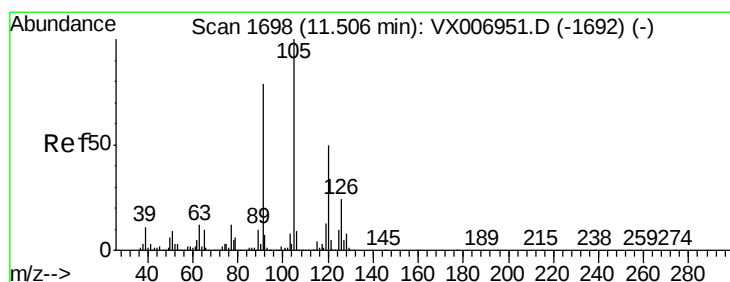
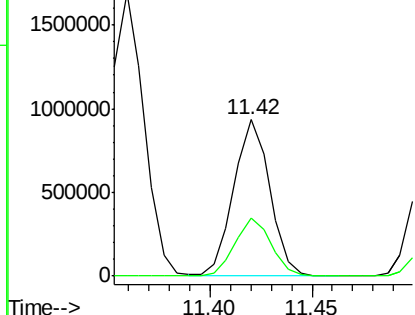
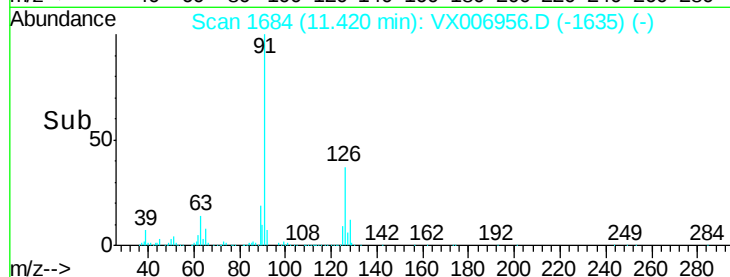
Tot Ion: 91 Resp: 1142844
 Ion Ratio Lower Upper
 91 100
 126 37.4 18.6 56.0

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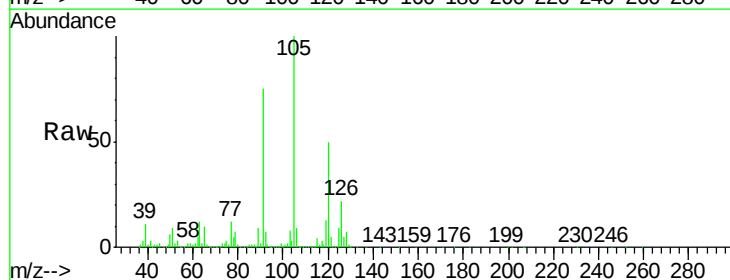


Abundance Ion 91.00 (90.70 to 91.70): VX006956.D (-1635) (-)
 Ion 125.90 (125.60 to 126.60): VX006956.D (-1635) (-)

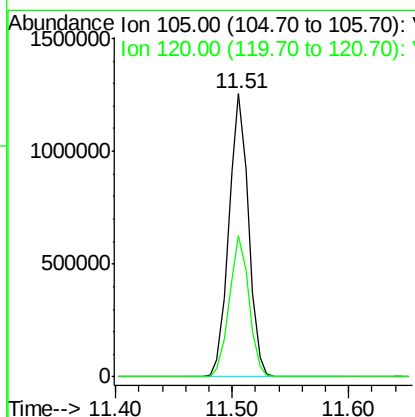
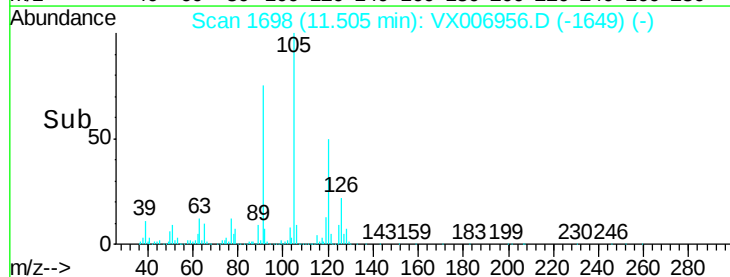


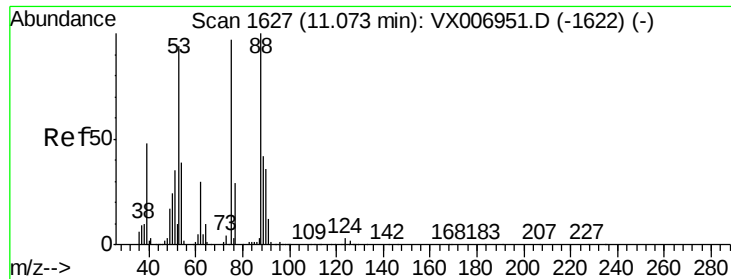
#80
 1,3,5-Trimethylbenzene
 Concen: 52.714 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006956.D
 Acq: 09 Jan 2019 10:17

Tgt Ion: 105 Resp: 1462020
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006956.D (-1649) (-)
 Ion 120.00 (119.70 to 120.70): VX006956.D (-1649) (-)





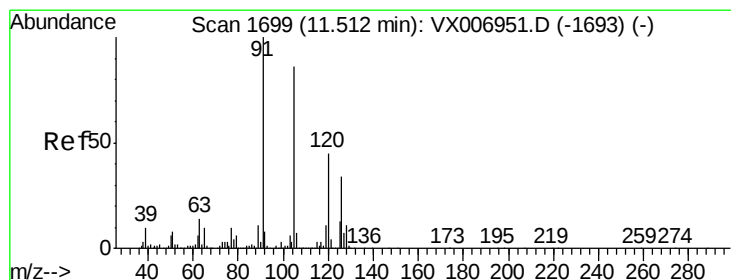
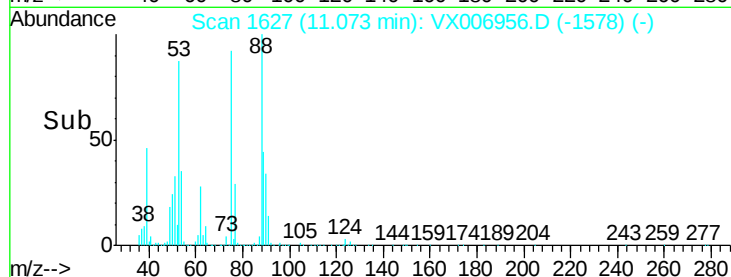
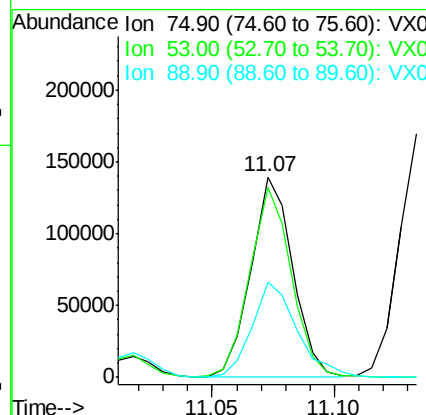
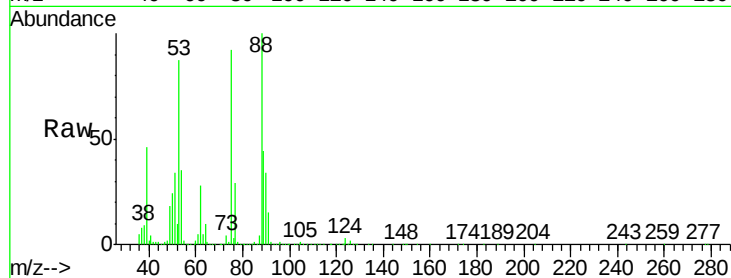
#81
trans-1,4-Dichloro-2-butene
Concen: 52.031 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	79.7	119.5
89	52.4	38.0	57.0

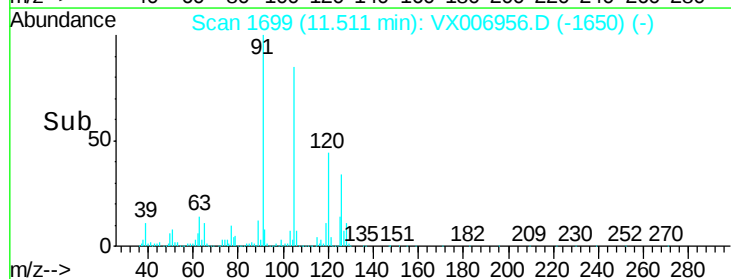
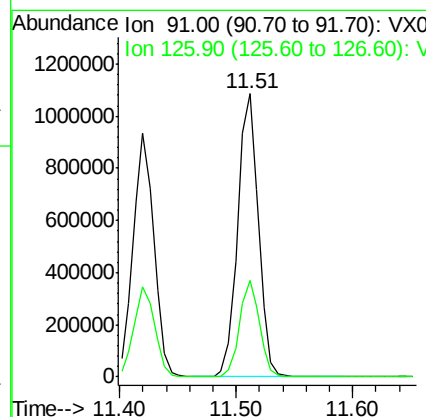
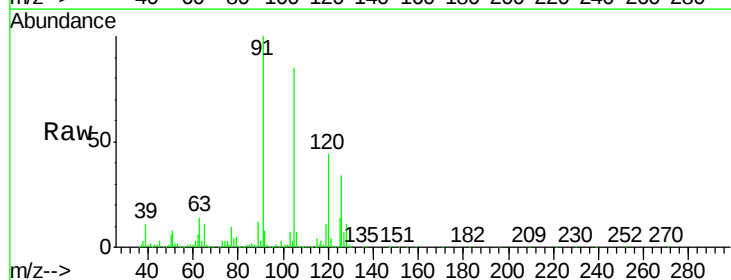
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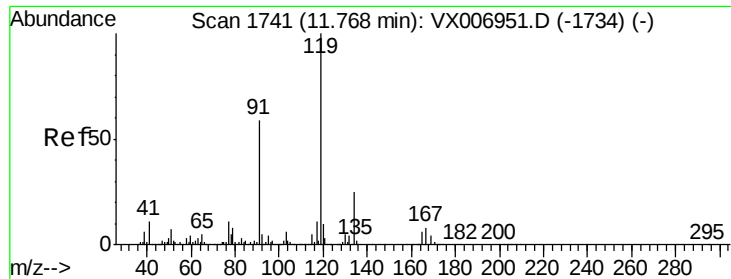
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#82
4-Chlorotoluene
Concen: 53.087 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.3	48.9





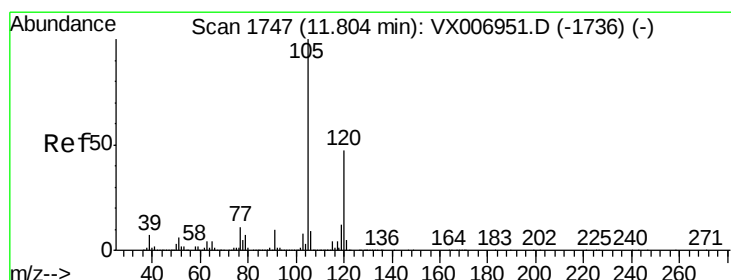
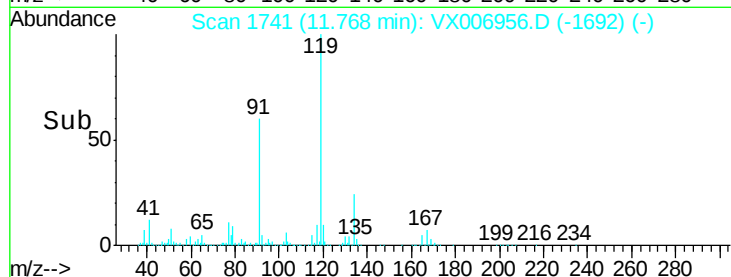
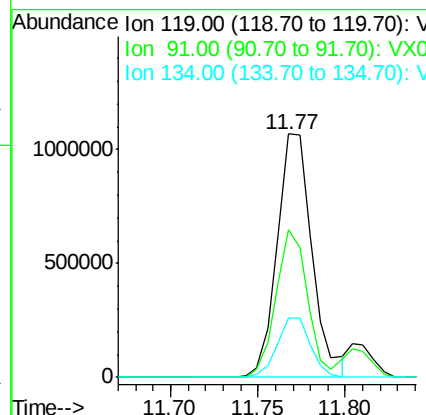
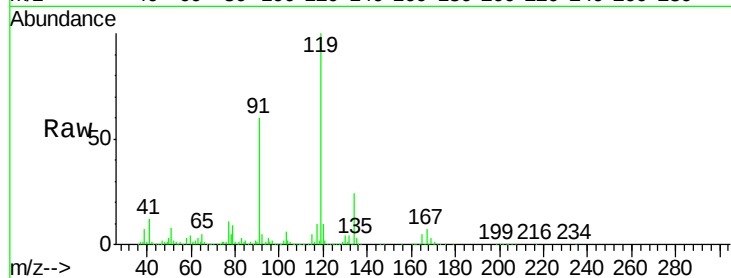
#83
tert-Butylbenzene
Concen: 53.798 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1488689
Ion Ratio Lower Upper
119 100
91 54.6 27.7 83.1
134 23.4 11.9 35.5

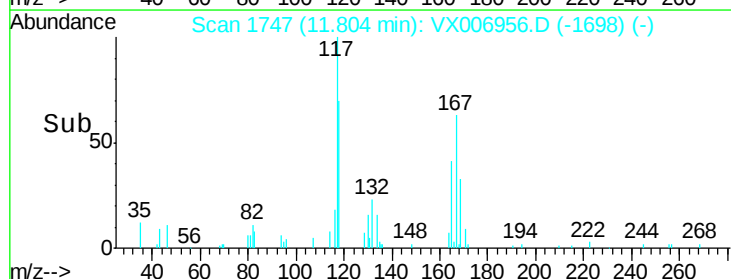
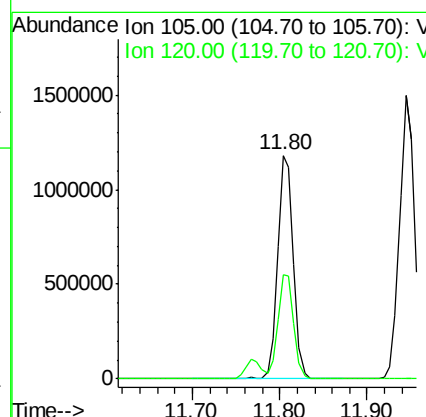
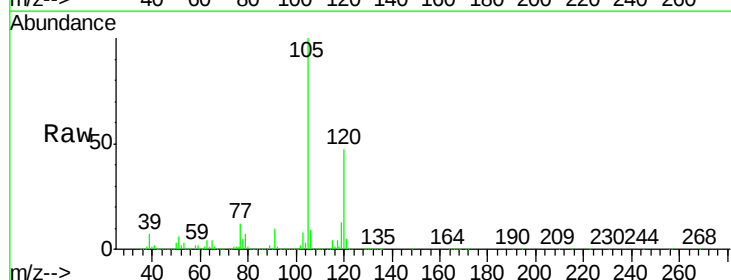
Manual Integrations
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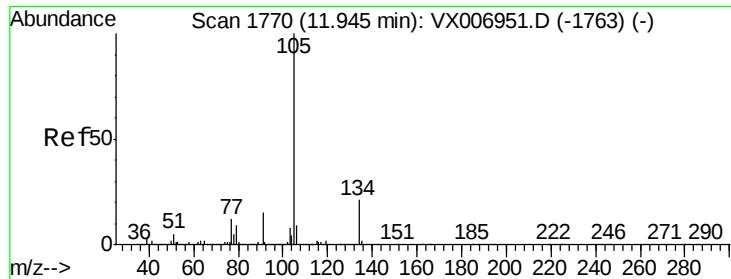
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#84
1,2,4-Trimethylbenzene
Concen: 53.481 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion:105 Resp: 1491590
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.6





#85

sec-Butylbenzene

Concen: 53.969 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1783558

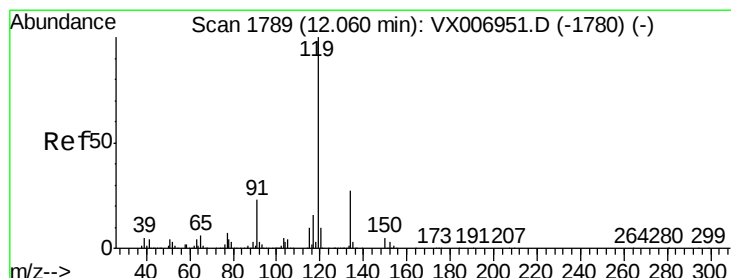
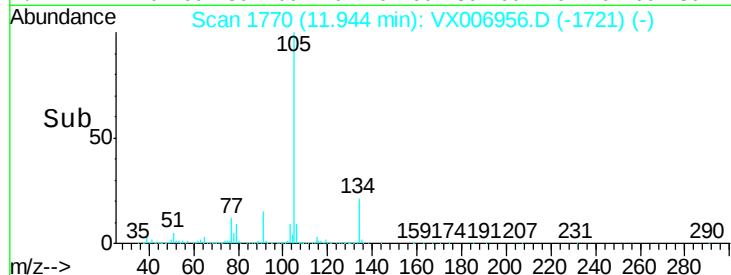
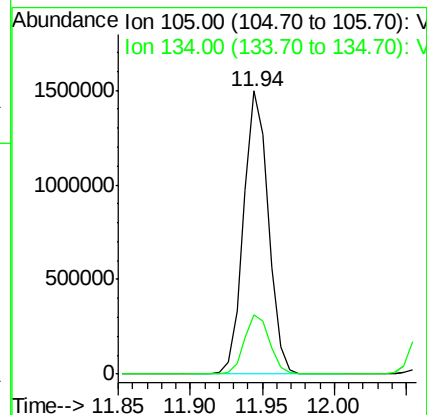
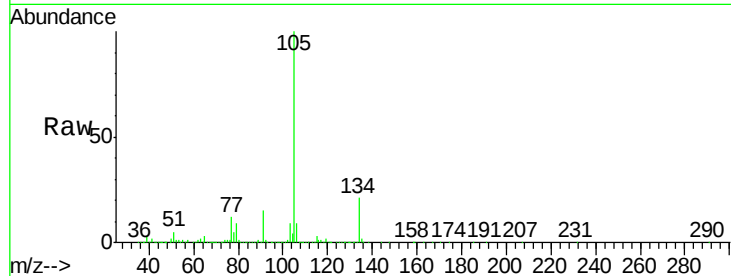
Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 54.457 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

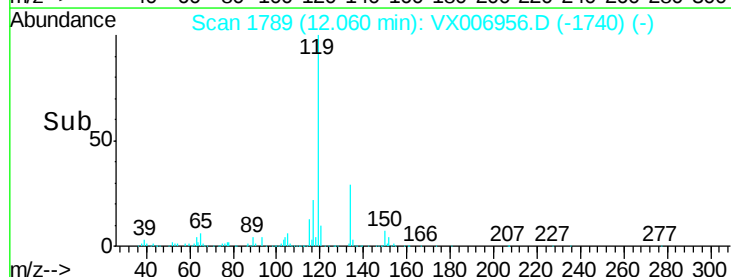
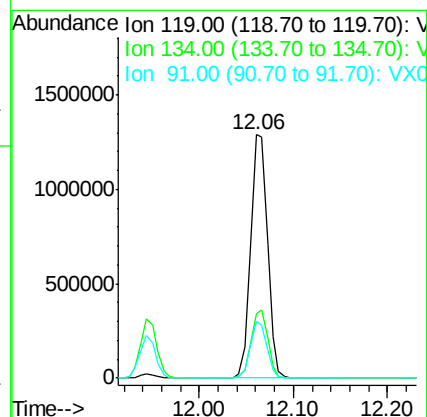
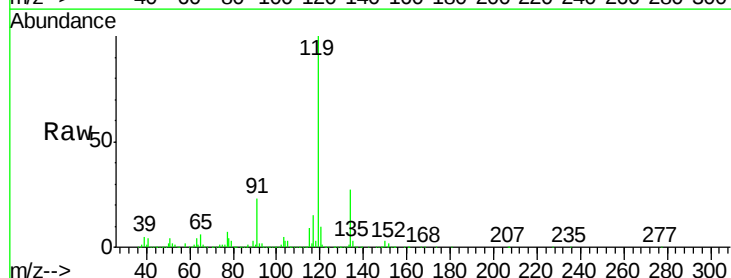
Tgt Ion:119 Resp: 1609761

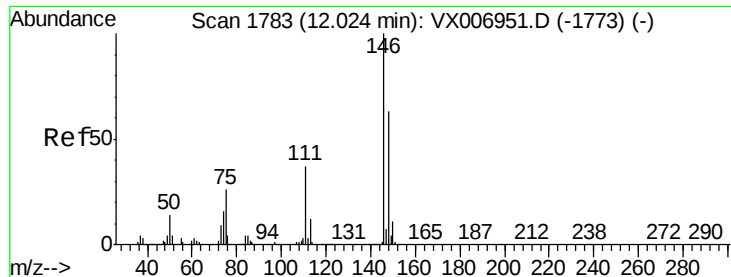
Ion Ratio Lower Upper

119 100

134 27.7 14.0 41.9

91 22.5 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 51.512 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

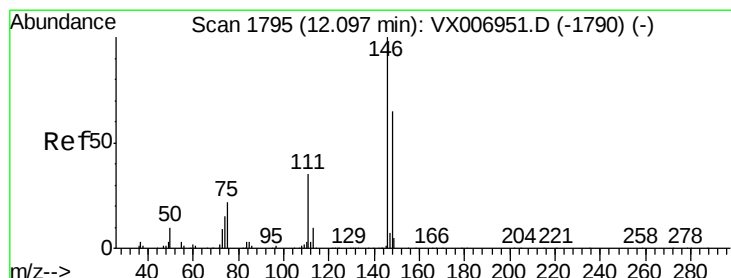
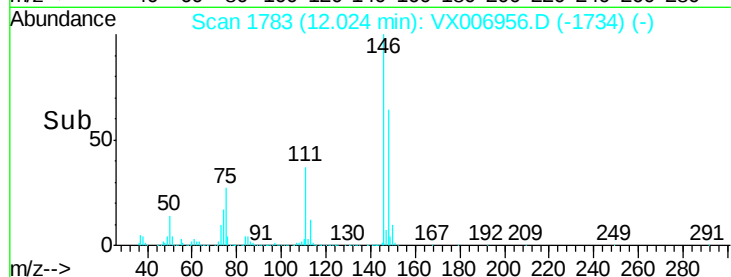
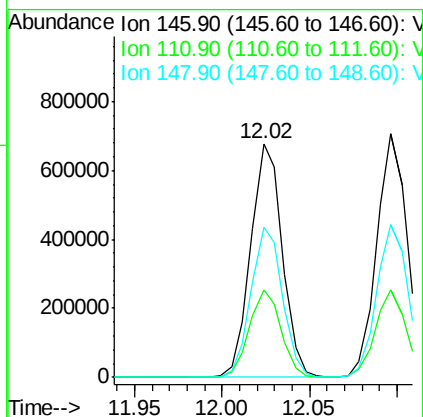
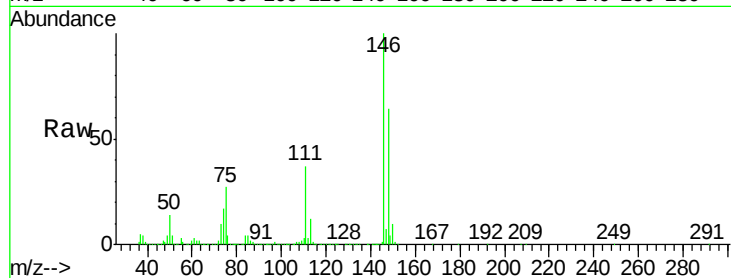
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	851548
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.6	55.8
148	64.0	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.545 ug/l

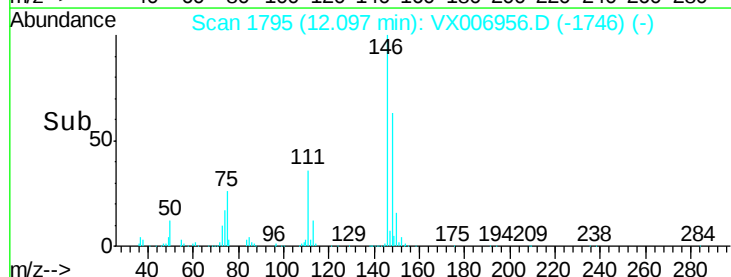
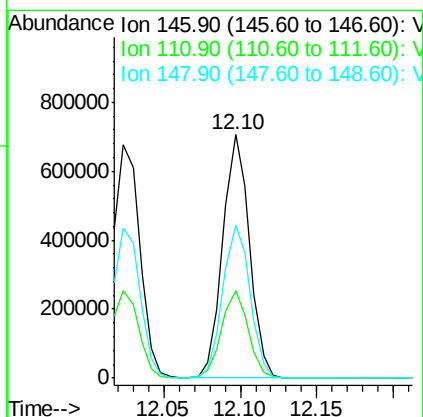
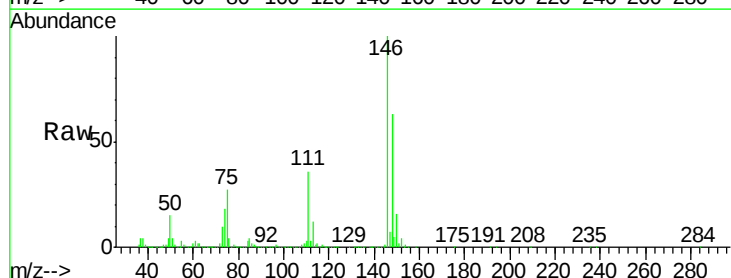
RT: 12.10 min Scan# 1795

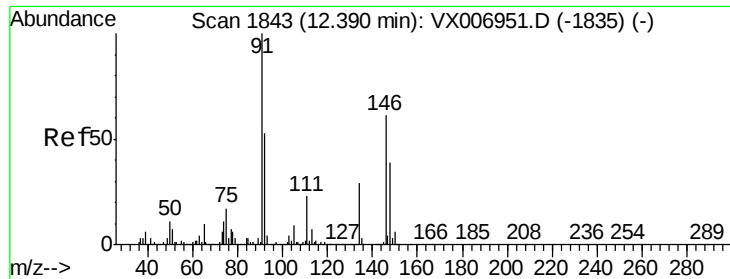
Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Tgt Ion:	146	Resp:	854520
Ion Ratio	Lower	Upper	
146	100		
111	36.2	18.1	54.1
148	64.3	31.9	95.9





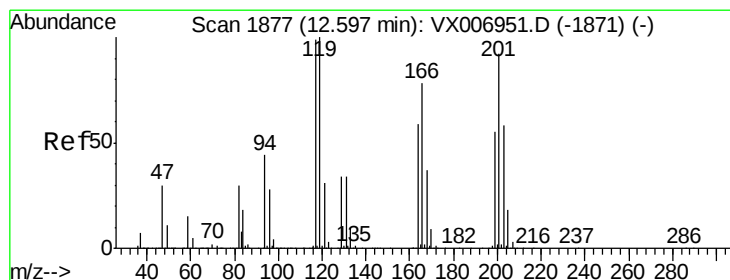
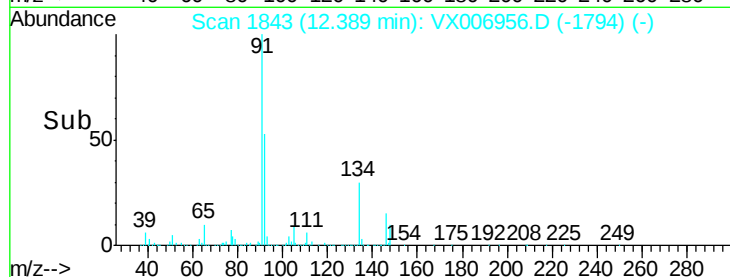
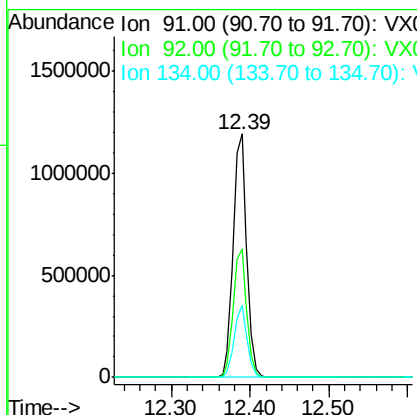
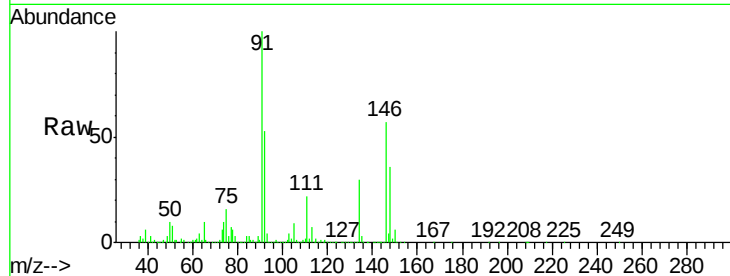
#89
n-Butylbenzene
Concen: 56.412 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.8	80.4
134	28.4	14.4	43.2

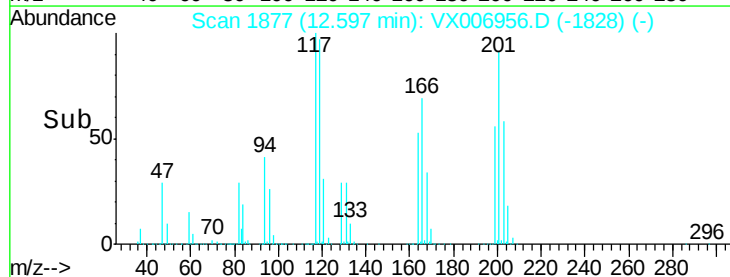
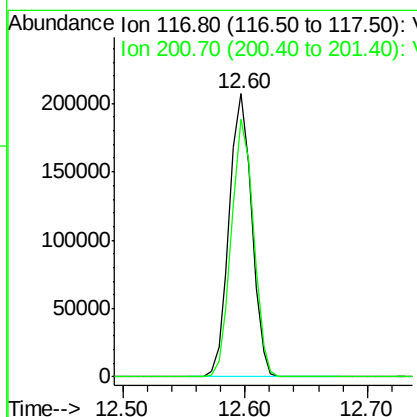
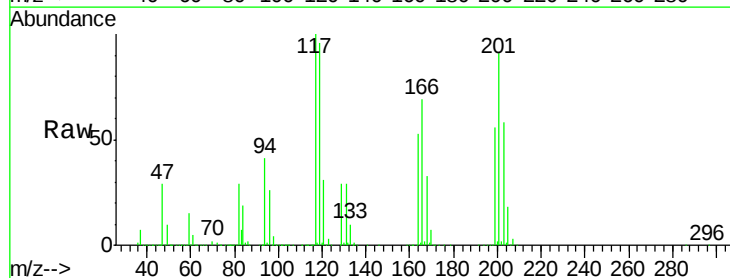
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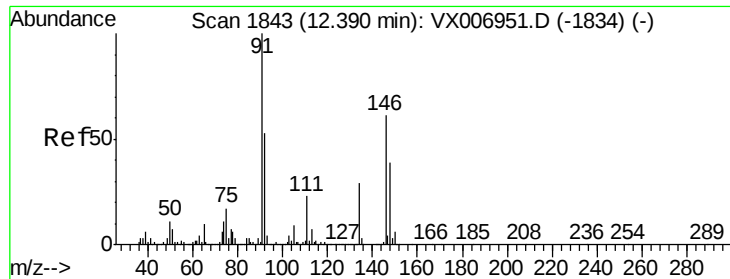
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#90
Hexachloroethane
Concen: 55.423 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006956.D
Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.3	42.9	128.7





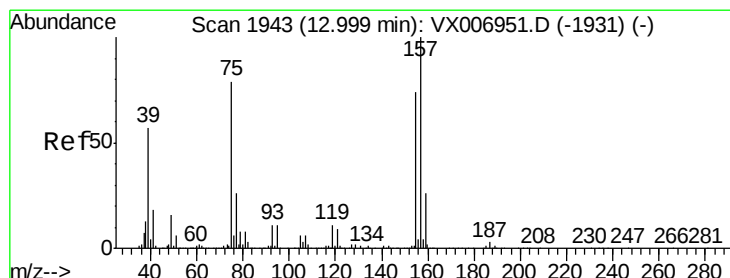
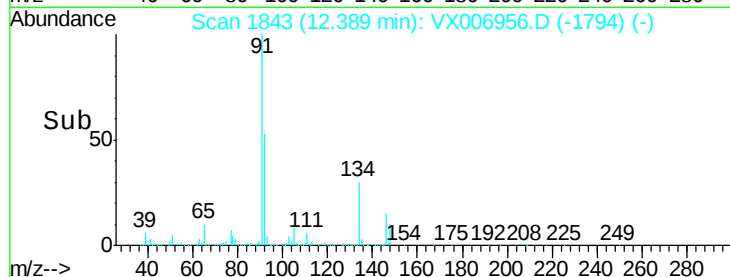
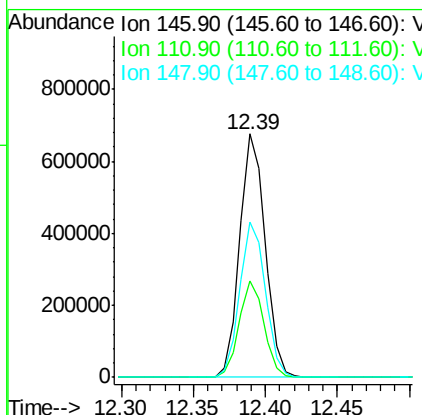
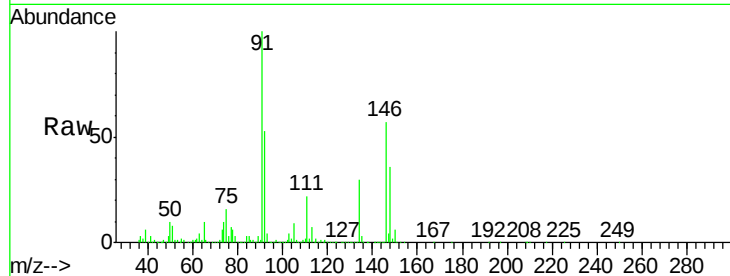
#91
 1,2-Dichlorobenzene
 Concen: 50.994 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006956.D
 Acq: 09 Jan 2019 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.2
148	64.3	32.3	96.9

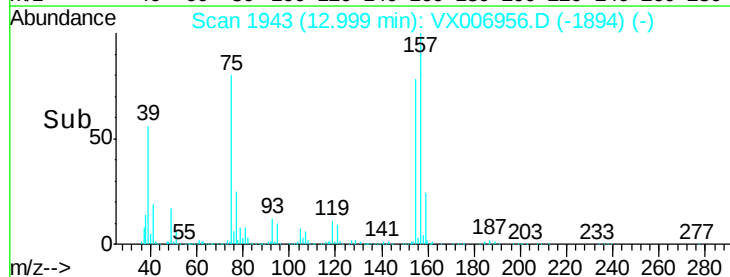
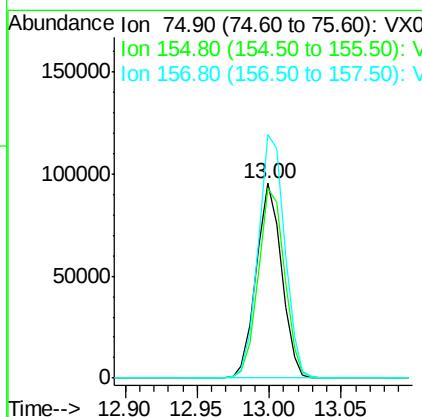
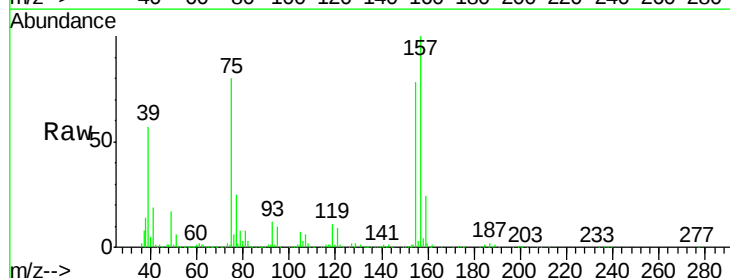
Manual Integrations
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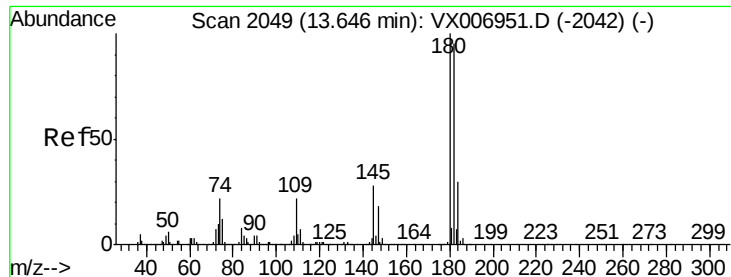
MMDadoda
 1/10/2019 10:54:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.686 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006956.D
 Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.5	50.6	151.8
157	129.8	64.6	193.8





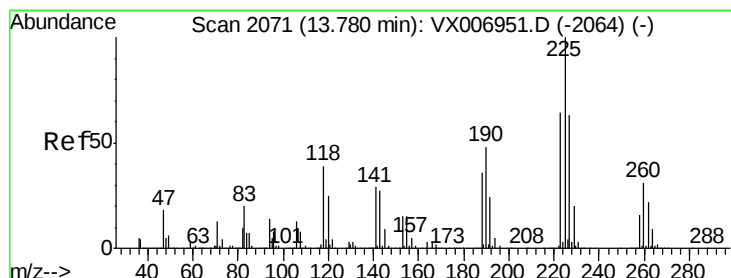
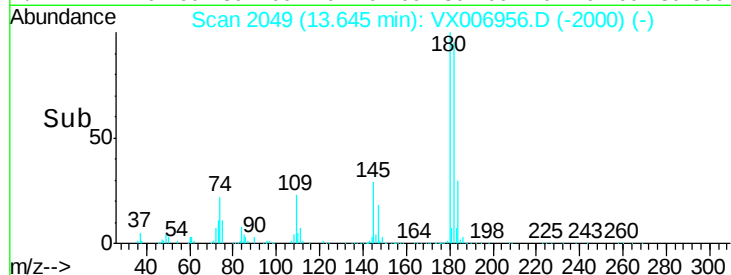
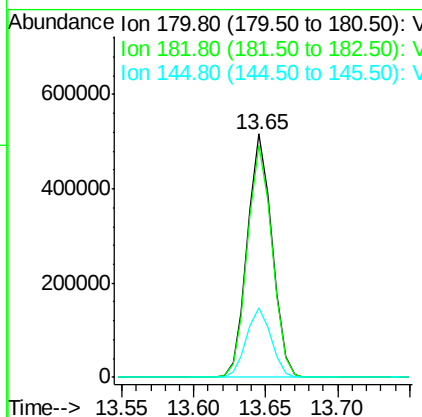
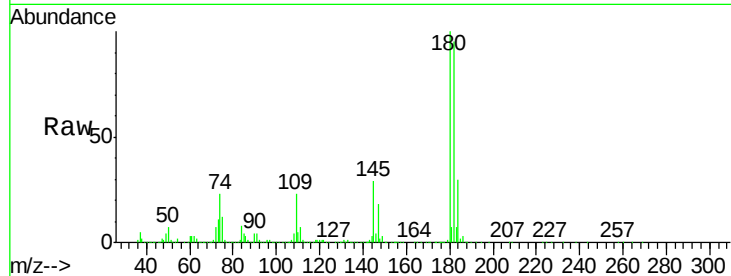
#93
 1,2,4-Trichlorobenzene
 Concen: 54.388 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006956.D
 Acq: 09 Jan 2019 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	608725		
182	95.8	47.3	142.0	
145	28.9	14.8	44.3	

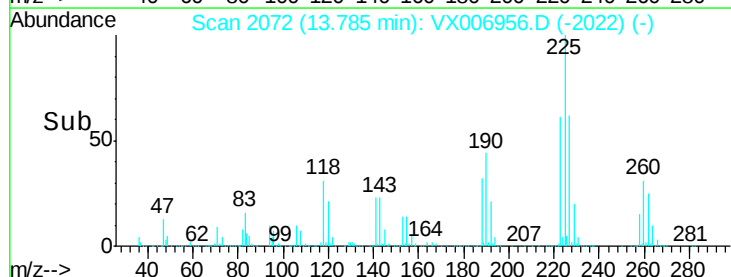
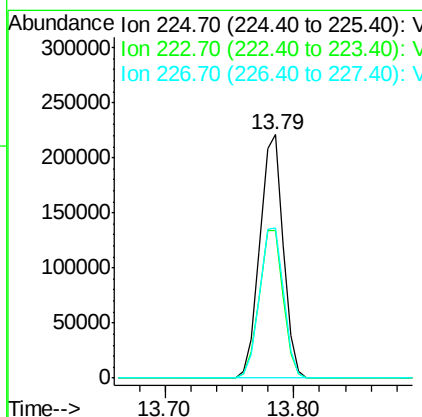
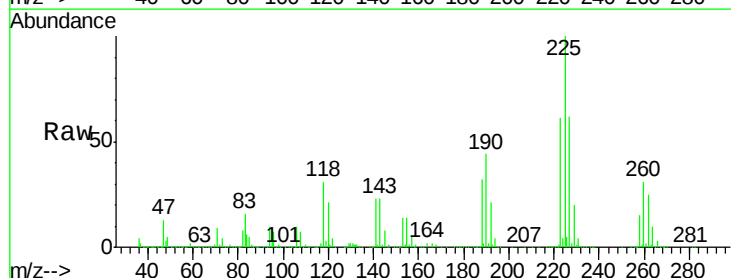
Manual Integrations
 APPROVED

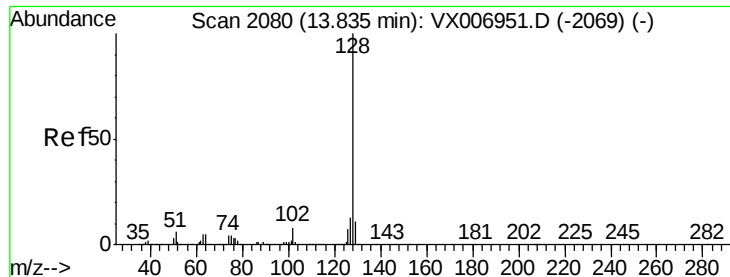
MMDadoda
 1/10/2019 10:54:03 AM



#94
 Hexachlorobutadiene
 Concen: 55.345 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX006956.D
 Acq: 09 Jan 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	274882		
223	62.2	32.1	96.3	
227	63.9	32.3	96.8	





#95

Naphthalene

Concen: 53.357 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1809595

Ion Ratio Lower Upper

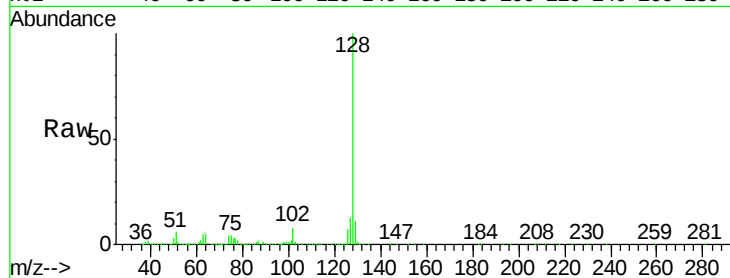
128 100

127 12.9 10.1 15.1

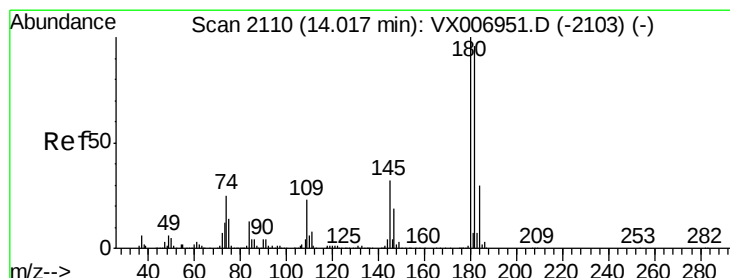
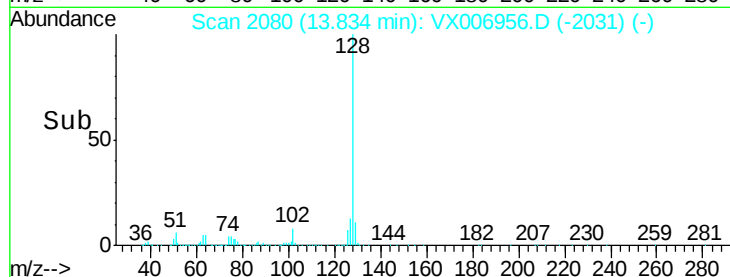
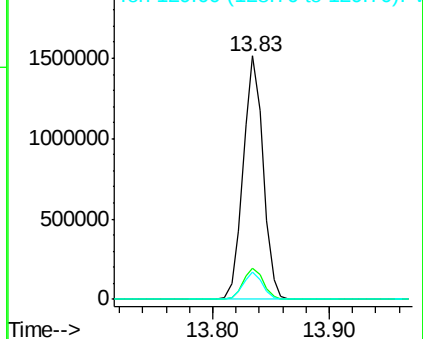
129 10.9 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:03 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.191 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006956.D

Acq: 09 Jan 2019 10:17

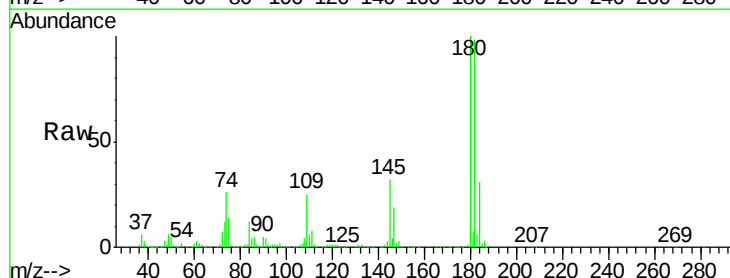
Tgt Ion:180 Resp: 591388

Ion Ratio Lower Upper

180 100

182 96.8 48.5 145.5

145 30.7 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

