

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011019\
 Data File : VX006981.D
 Acq On : 10 Jan 2019 11:00
 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
 1/11/2019 11:41:40 AM

Quant Time: Jan 11 07:28:04 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	604620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	868970	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	783343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	407114	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	319689	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	5.50	113	292667	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	8.71	98	1066840	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	11.13	95	381146	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	292107	58.832	ug/l	100
3) Chloromethane	1.33	50	298734	51.684	ug/l	99
4) Vinyl Chloride	1.41	62	331921	53.384	ug/l	99
5) Bromomethane	1.64	94	329629	49.621	ug/l	99
6) Chloroethane	1.71	64	208968	48.133	ug/l	98
7) Trichlorofluoromethane	1.93	101	534918	53.246	ug/l	98
8) Diethyl Ether	2.19	74	196482	49.160	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	321770	53.498	ug/l	99
10) Methyl Iodide	2.51	142	469147	57.825	ug/l	100
11) Tert butyl alcohol	3.07	59	375541	251.946	ug/l	100
12) 1,1-Dichloroethene	2.37	96	293268	52.775	ug/l	99
13) Acrolein	2.29	56	148541	231.298	ug/l	98
14) Allyl chloride	2.73	41	502375	52.751	ug/l	100
15) Acrylonitrile	3.15	53	884537	258.501	ug/l	99
16) Acetone	2.45	43	861964	275.934	ug/l	99
17) Carbon Disulfide	2.57	76	740449	51.755	ug/l	99
18) Methyl Acetate	2.78	43	457351	50.556	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	989112	51.283	ug/l	99
20) Methylene Chloride	2.86	84	316716	53.343	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	310475	50.136	ug/l	97
22) Diisopropyl ether	3.87	45	933307	52.128	ug/l	99
23) Vinyl Acetate	3.82	43	4152868	275.044	ug/l	99
24) 1,1-Dichloroethane	3.70	63	546041	54.542	ug/l	99
25) 2-Butanone	4.70	43	1188156	265.823	ug/l	100
26) 2,2-Dichloropropane	4.58	77	423661	55.033	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	345944	50.646	ug/l	97
28) Bromochloromethane	5.02	49	227507	51.868	ug/l	97
29) Tetrahydrofuran	5.15	42	748389	257.642	ug/l	98
30) Chloroform	5.21	83	549521	52.426	ug/l	100
31) Cyclohexane	5.57	56	476228	53.446	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	481175	54.159	ug/l	99
36) 1,1-Dichloropropene	5.80	75	413787	54.770	ug/l	100
37) Ethyl Acetate	4.85	43	437091	53.964	ug/l	98
38) Carbon Tetrachloride	5.78	117	429018	56.441	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	536387	55.691	ug/l	97
40) Benzene	6.14	78	1232358	53.459	ug/l	98
41) Methacrylonitrile	5.06	41	242965	52.071	ug/l	98
42) 1,2-Dichloroethane	6.20	62	409166	51.364	ug/l	100
43) Isopropyl Acetate	6.46	43	700545	54.833	ug/l	98
44) Trichloroethene	7.21	130	367379	53.182	ug/l	96
45) 1,2-Dichloropropane	7.51	63	307754	53.102	ug/l	98
46) Dibromomethane	7.66	93	217113	53.304	ug/l	96
47) Bromodichloromethane	7.90	83	394679	56.928	ug/l	97
48) Methyl methacrylate	7.77	41	351362	53.553	ug/l	97
49) 1,4-Dioxane	7.75	88	166017	1108.949	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2232406	271.891	ug/l	99
52) Toluene	8.78	92	795058	53.660	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	447420	58.199	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	486977	57.359	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	328300	55.357	ug/l	98
56) Ethyl methacrylate	9.18	69	478995	55.325	ug/l	96
57) 1,3-Dichloropropane	9.37	76	522300	53.757	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1255281	281.991	ug/l	98
59) 2-Hexanone	9.49	43	1748177	279.396	ug/l	98
60) Dibromochloromethane	9.59	129	348185	60.462	ug/l	99
61) 1,2-Dibromoethane	9.67	107	357847	54.810	ug/l	100
64) Tetrachloroethene	9.34	164	366919	54.102	ug/l	97
65) Chlorobenzene	10.14	112	908798	53.192	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	330474	57.499	ug/l	100
67) Ethyl Benzene	10.25	91	1520837	53.920	ug/l	99
68) m/p-Xylenes	10.36	106	1208952	108.792	ug/l	99
69) o-Xylene	10.70	106	581939	53.697	ug/l	98
70) Styrene	10.71	104	939188	54.717	ug/l	99
71) Bromoform	10.86	173	257999	50.158	ug/l	100
73) Isopropylbenzene	11.02	105	1572428	54.775	ug/l	99
74) N-amyl acetate	10.90	43	618416	53.505	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	471133	51.696	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	445857m	54.043	ug/l	
77) Bromobenzene	11.26	156	411597	52.036	ug/l	99
78) n-propylbenzene	11.36	91	1768573	56.120	ug/l	99
79) 2-Chlorotoluene	11.42	91	1015355	53.523	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1300285	54.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	141497	51.627	ug/l	98
82) 4-Chlorotoluene	11.51	91	1190777	54.213	ug/l	100
83) tert-Butylbenzene	11.77	119	1310754	54.769	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1325811	54.965	ug/l	100
85) sec-Butylbenzene	11.94	105	1582755	55.376	ug/l	100
86) p-Isopropyltoluene	12.07	119	1430226	55.943	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	753929	52.733	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	758163	55.952	ug/l	99
89) n-Butylbenzene	12.39	91	1256766	57.666	ug/l	99
90) Hexachloroethane	12.60	117	224457	54.705	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	739420	52.407	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	99495	55.200	ug/l	96

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ClientSampleId :
VSTDCCC050

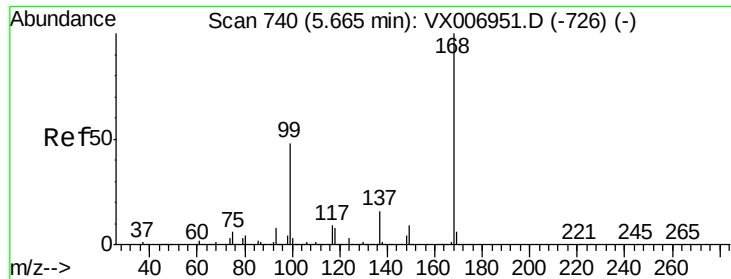
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	535899	55.362	ug/l	98
94) Hexachlorobutadiene	13.78	225	245603	57.176	ug/l	98
95) Naphthalene	13.83	128	1599209	54.521	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	521499	54.233	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 604620

Ion Ratio Lower Upper

168 100

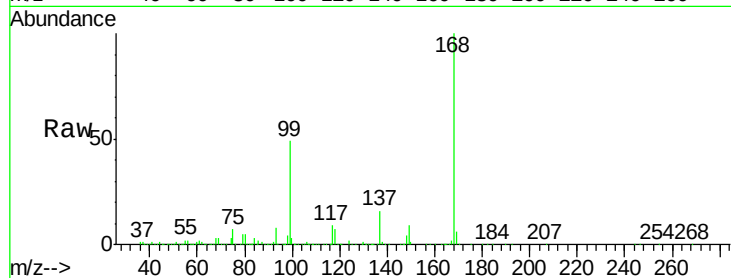
99 49.3 41.8 62.8

Manual Integrations

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1/11/2019 11:41:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

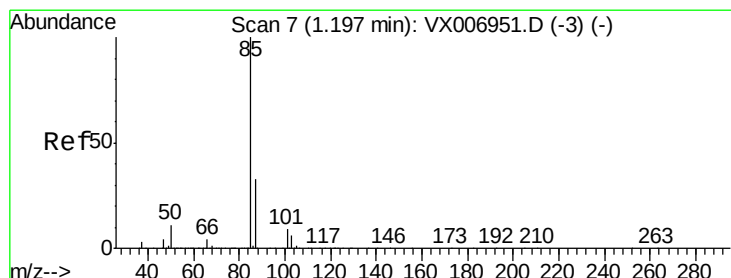
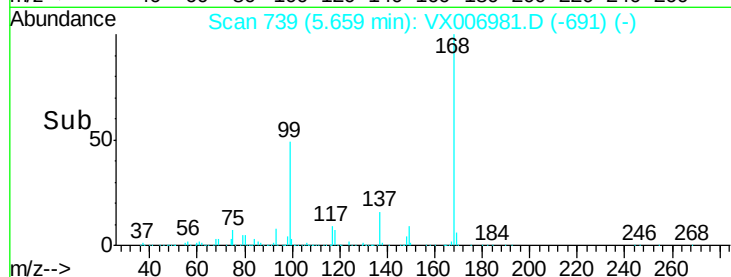
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 58.832 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006981.D

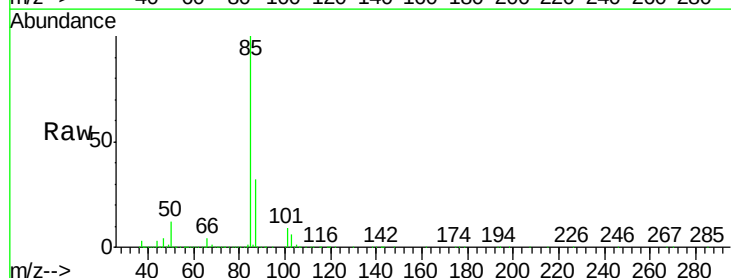
Acq: 10 Jan 2019 11:00

Tgt Ion: 85 Resp: 292107

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300000

250000

200000

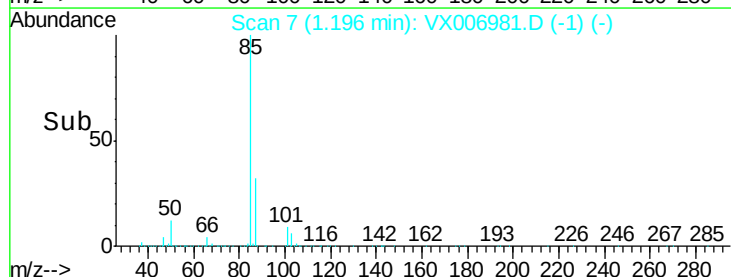
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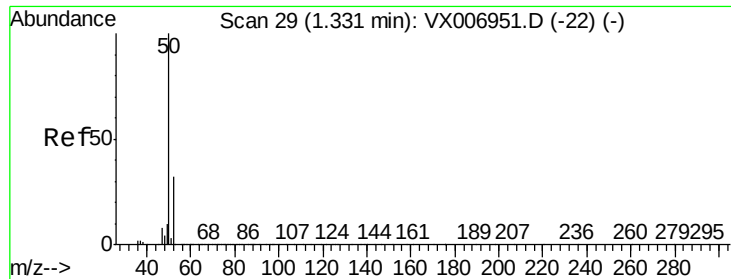
100000

50000

0

Time-->





#3

Chloromethane

Concen: 51.684 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 298734

Ion Ratio Lower Upper

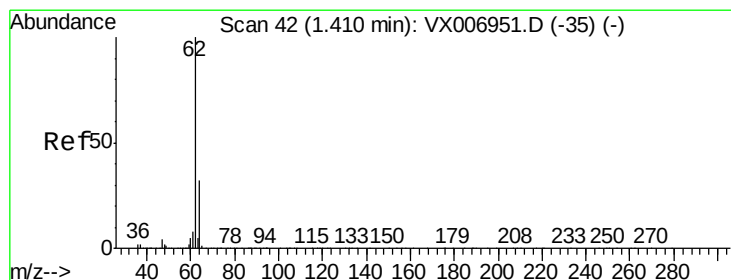
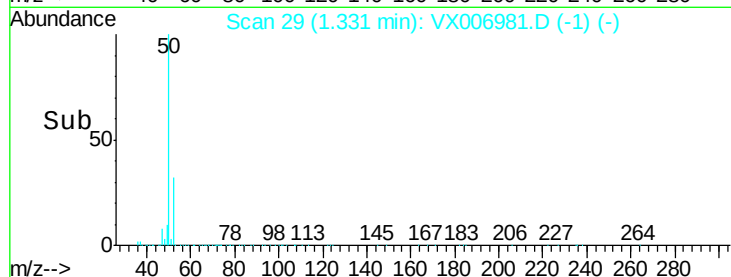
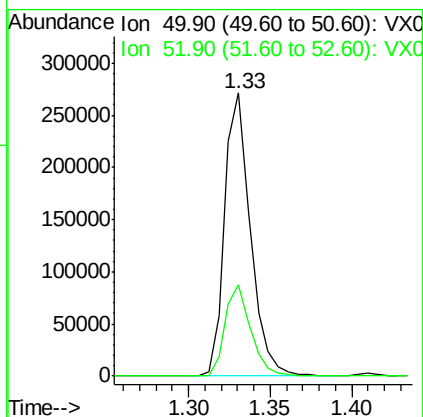
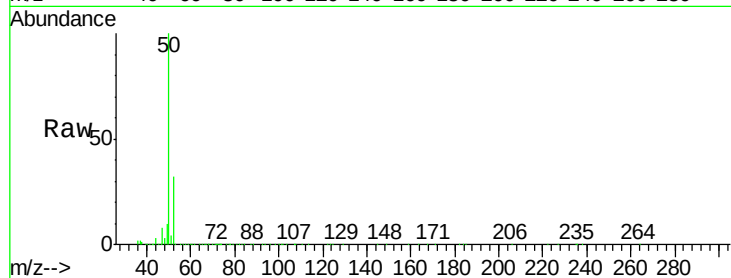
50 100

52 32.2 25.4 38.2

Manual Integrations
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1/11/2019 11:41:40 AM



#4

Vinyl Chloride

Concen: 53.384 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006981.D

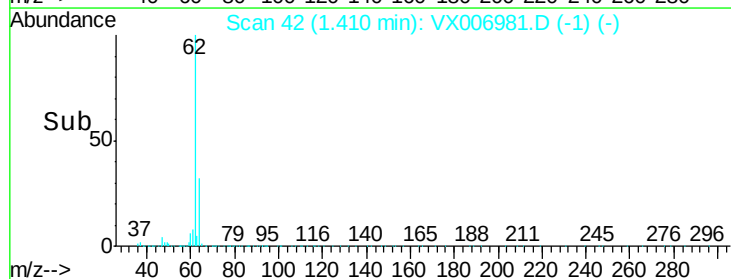
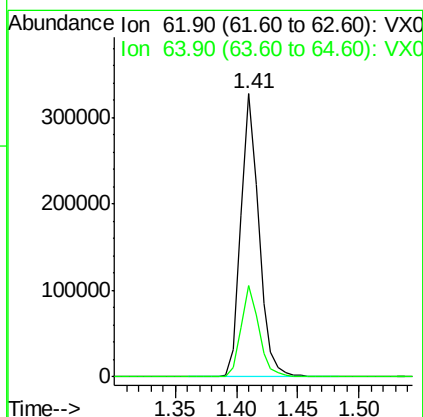
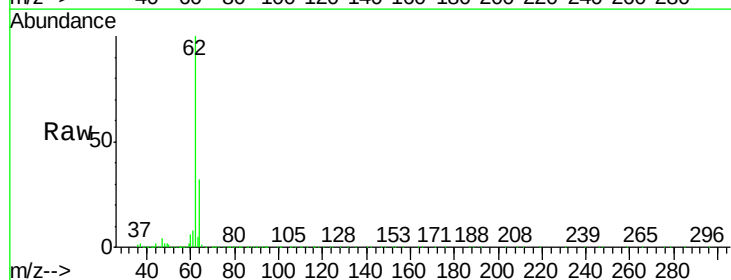
Acq: 10 Jan 2019 11:00

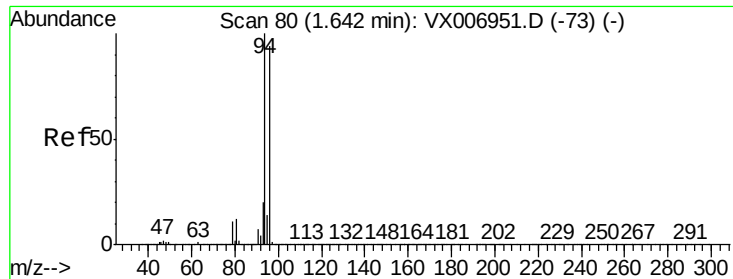
Tgt Ion: 62 Resp: 331921

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 49.621 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 329629

Ion Ratio Lower Upper

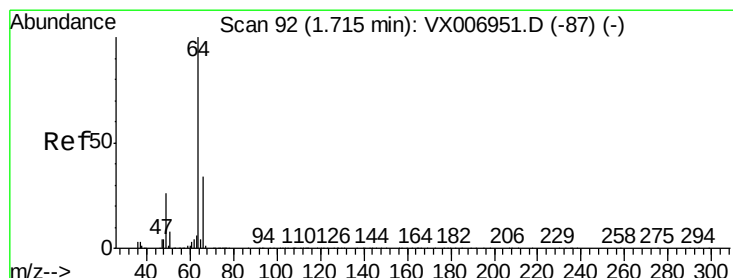
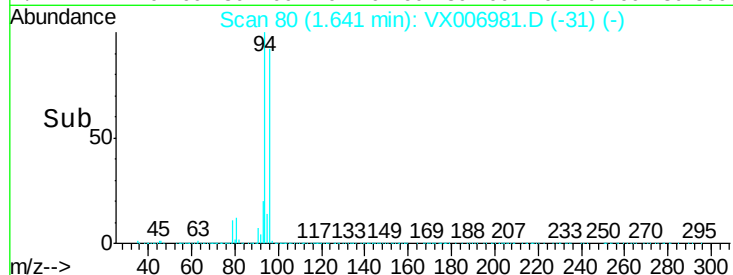
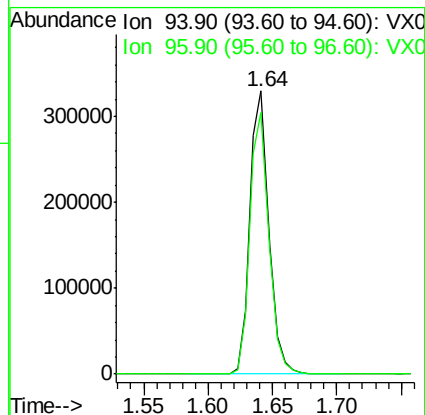
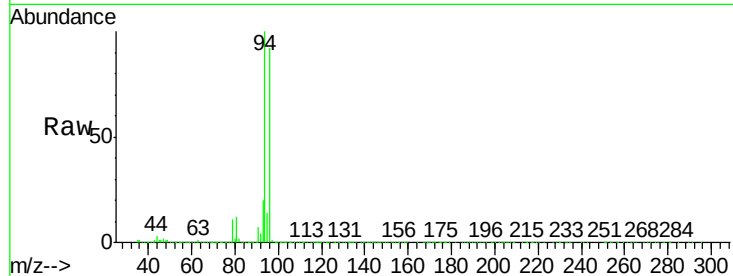
94 100

96 92.4 73.4 110.2

Manual Integrations
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#6

Chloroethane

Concen: 48.133 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006981.D

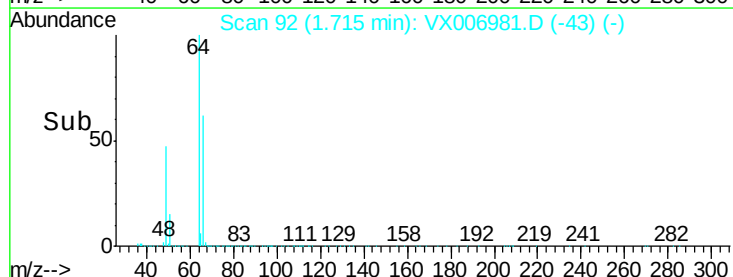
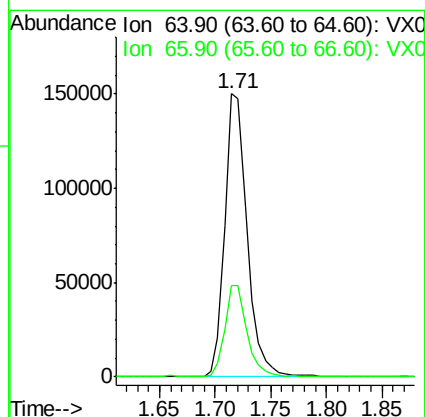
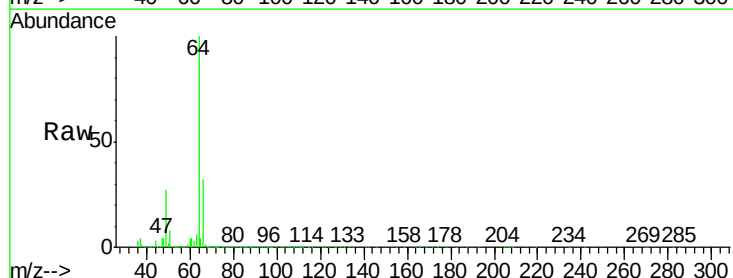
Acq: 10 Jan 2019 11:00

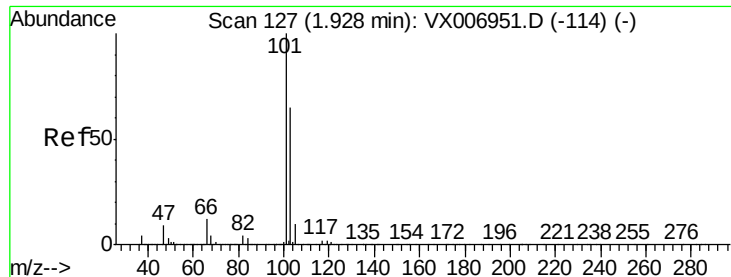
Tgt Ion: 64 Resp: 208968

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6





#7

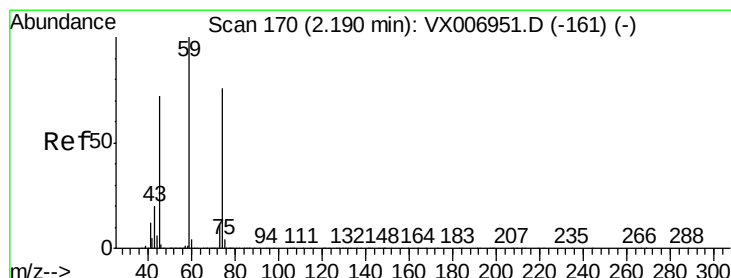
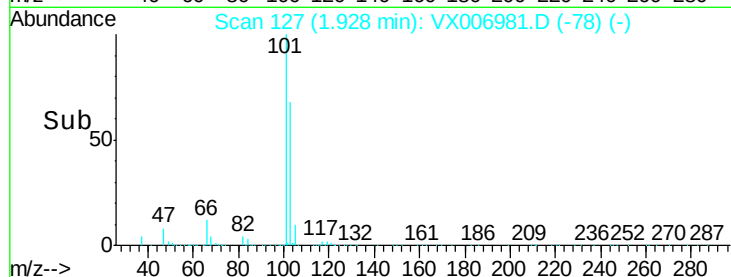
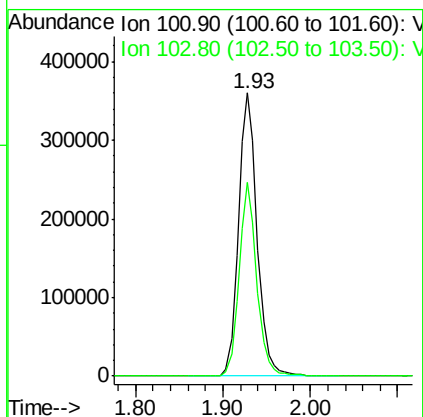
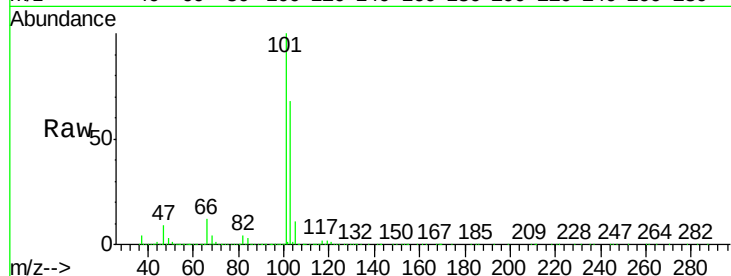
Trichlorofluoromethane
Concen: 53.246 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.4	53.2	79.8

Manual Integrations
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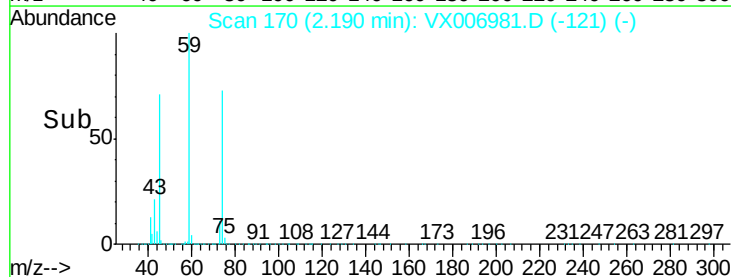
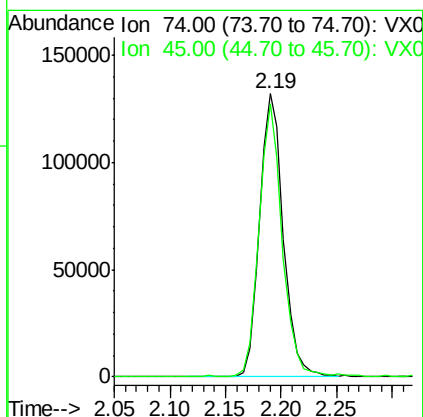
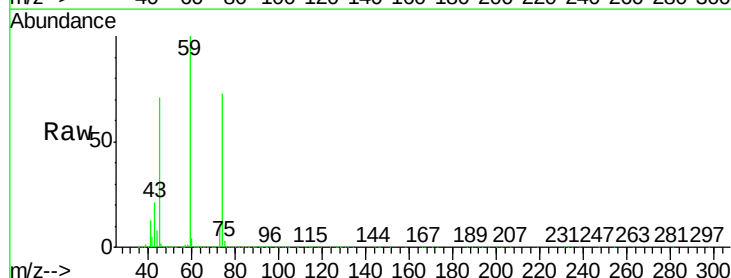
MMDadoda
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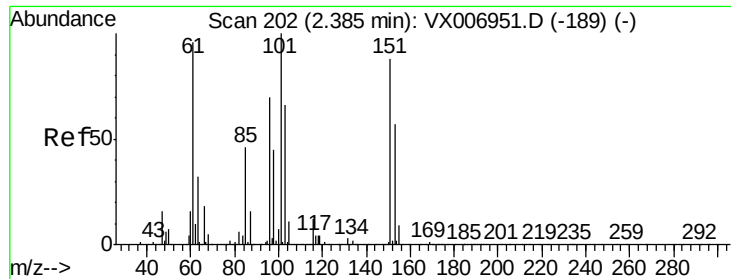


#8

Diethyl Ether
Concen: 49.160 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.1	46.3	138.9





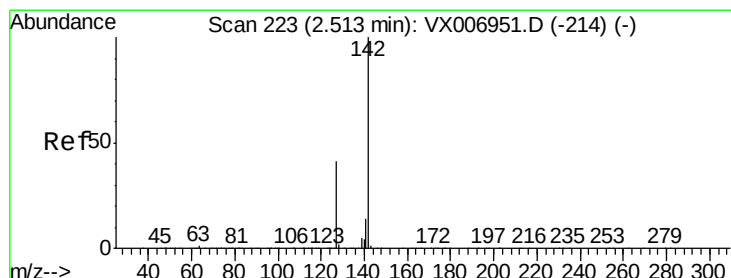
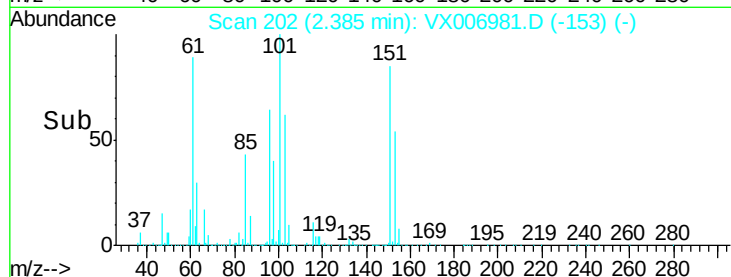
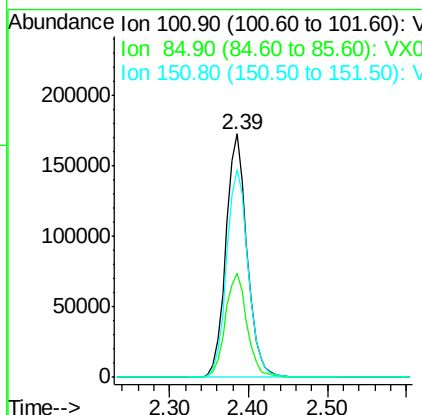
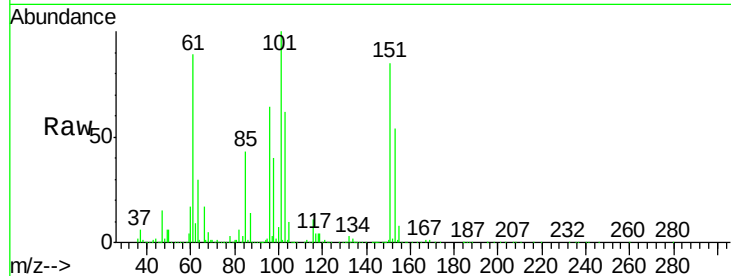
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.498 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX006981.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	321770		
85	43.5		35.1	52.7
151	87.5		68.9	103.3

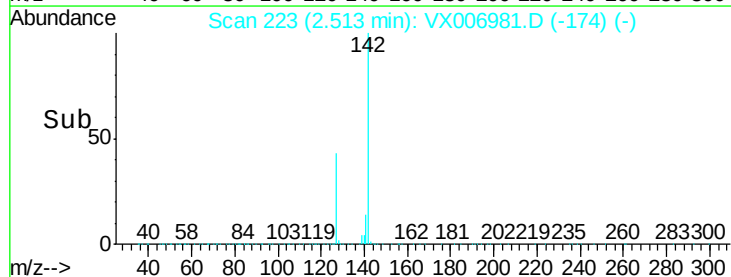
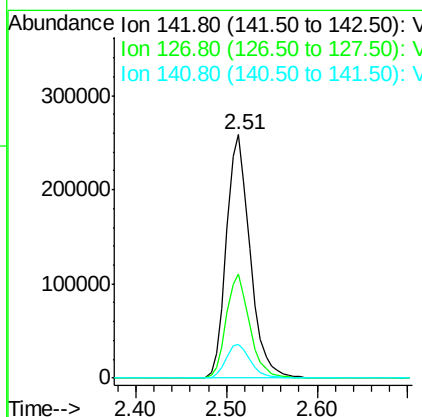
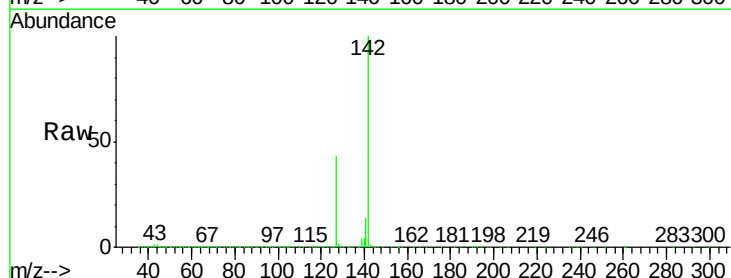
Manual Integrations
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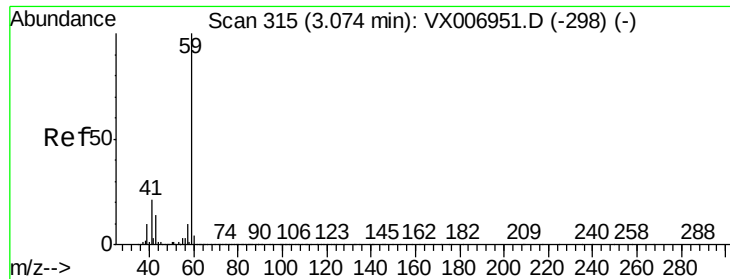
MMDadoda
 1/11/2019 11:41:40 AM



#10
 Methyl Iodide
 Concen: 57.825 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	469147		
127	42.4		33.9	50.9
141	14.4		11.4	17.0





#11

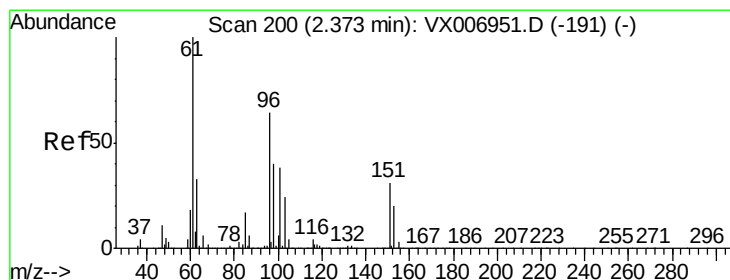
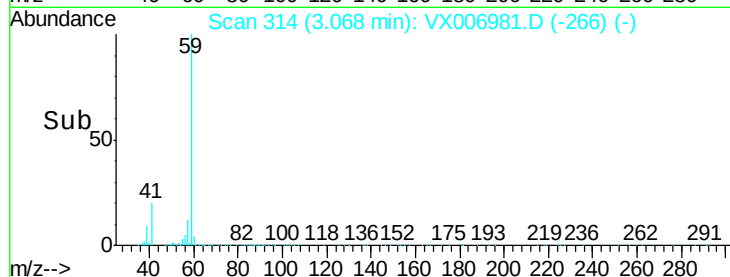
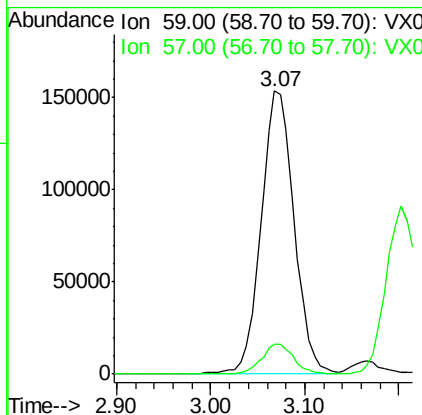
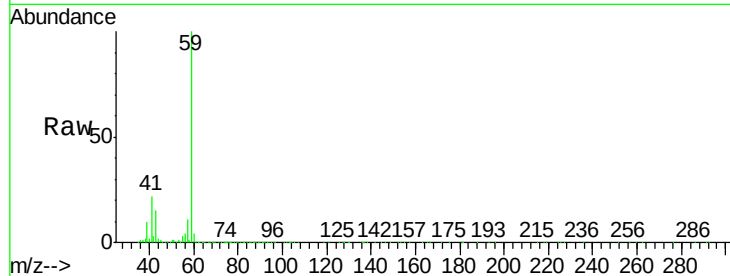
Tert butyl alcohol
Concen: 251.946 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

Manual Integrations
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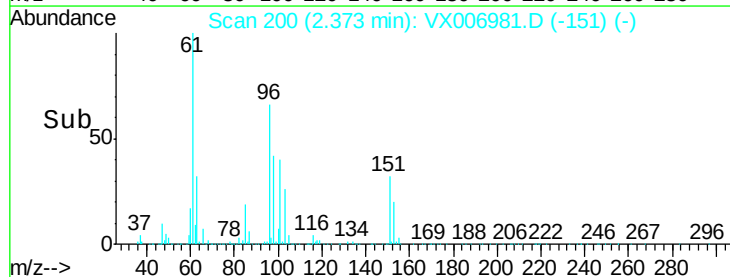
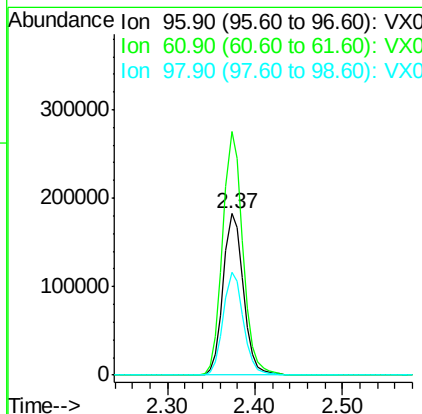
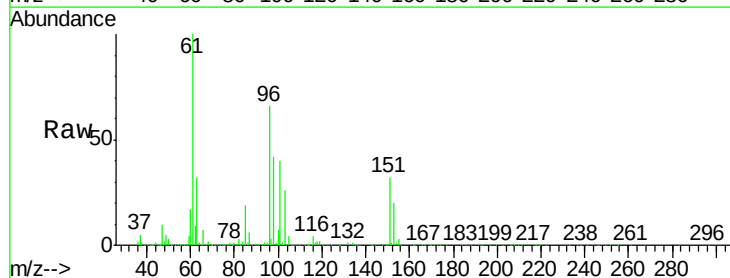
MMDadoda
1/11/2019 11:41:40 AM

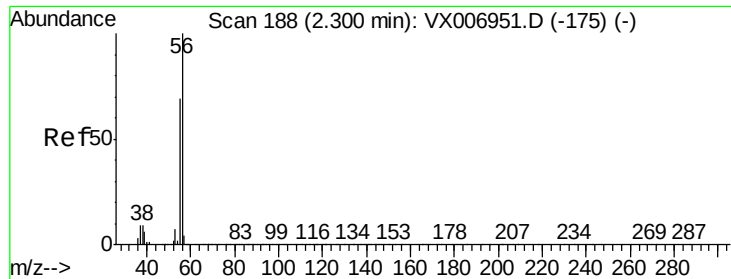


#12

1,1-Dichloroethene
Concen: 52.775 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	121.4	182.2
98	64.0	51.9	77.9





#13

Acrolein

Concen: 231.298 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 148541

Ion Ratio Lower Upper

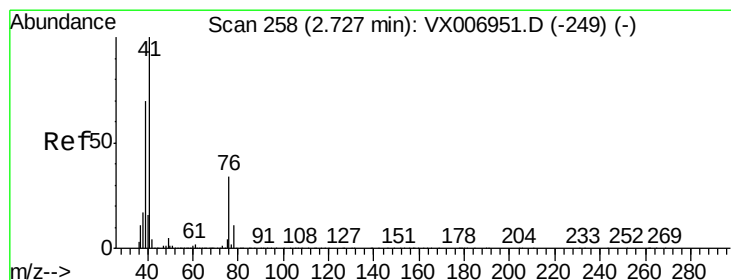
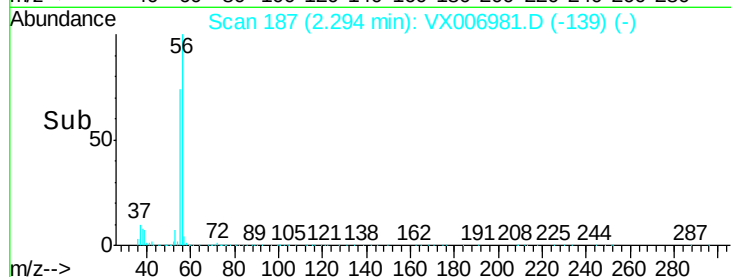
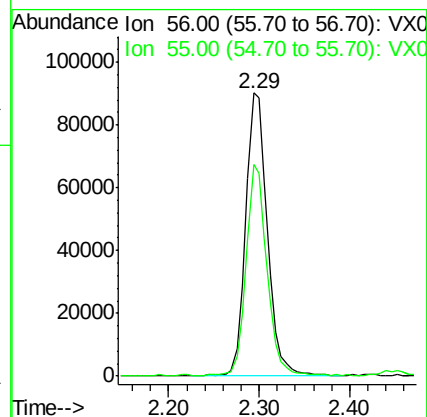
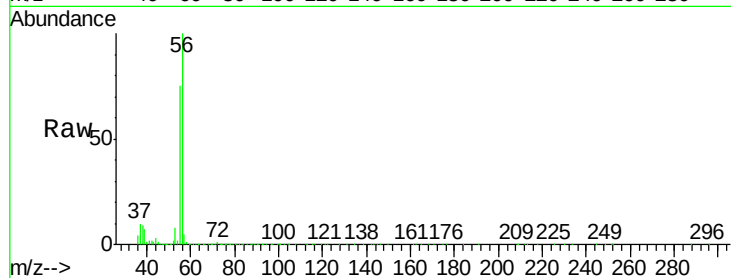
56 100

55 71.3 58.2 87.4

Manual Integrations
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#14

Allyl chloride

Concen: 52.751 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

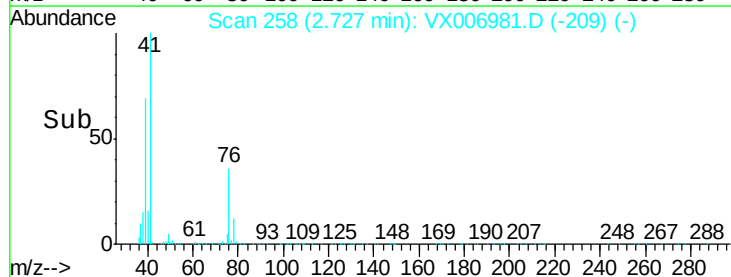
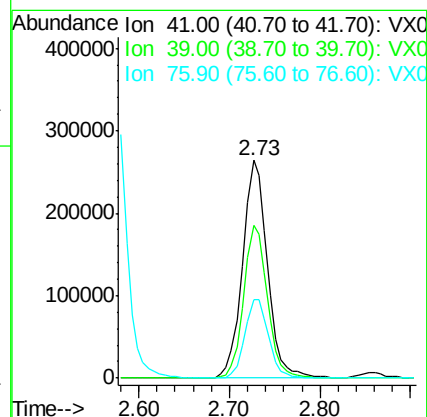
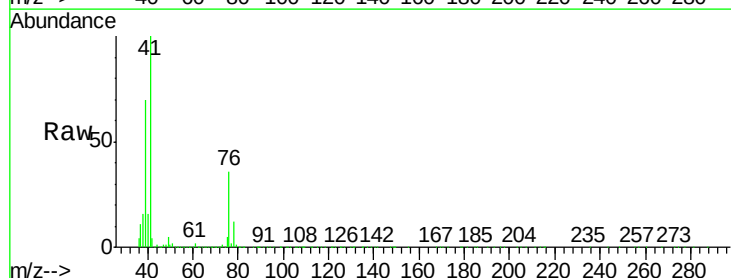
Tgt Ion: 41 Resp: 502375

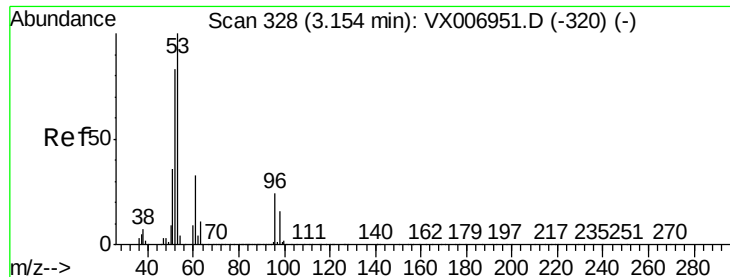
Ion Ratio Lower Upper

41 100

39 66.7 53.6 80.4

76 34.3 27.4 41.2





#15

Acrylonitrile

Concen: 258.501 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

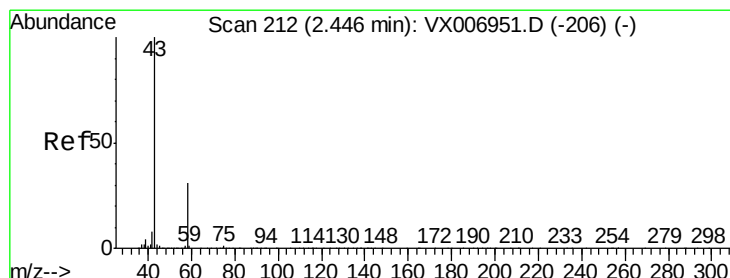
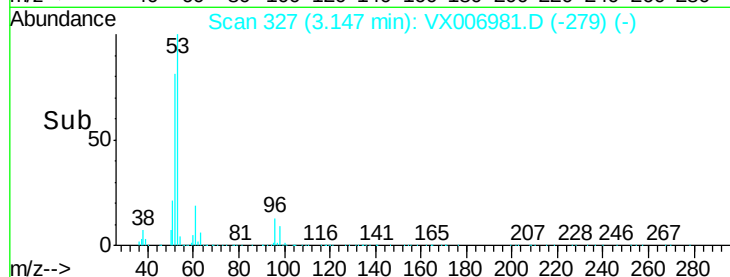
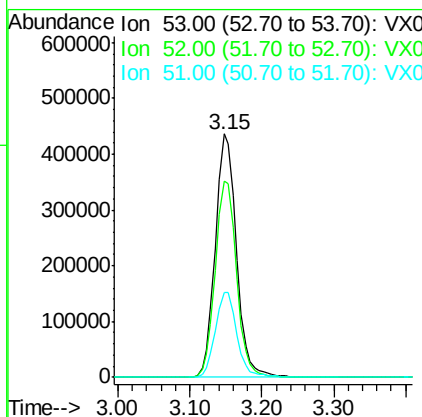
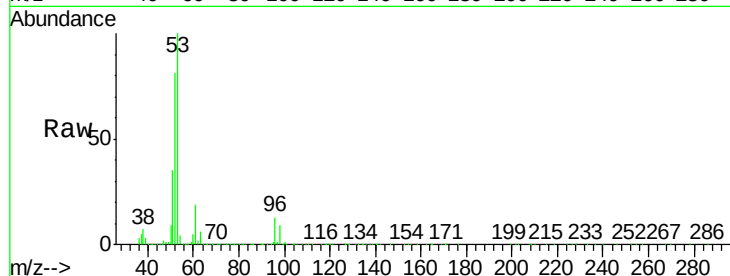
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	884537
Ion Ratio		Lower	Upper
53	100		
52	81.7	66.0	99.0
51	35.8	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 275.934 ug/l

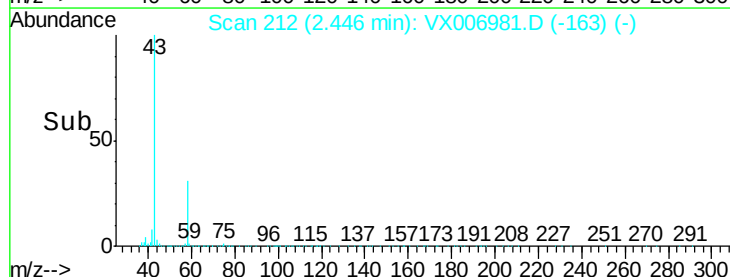
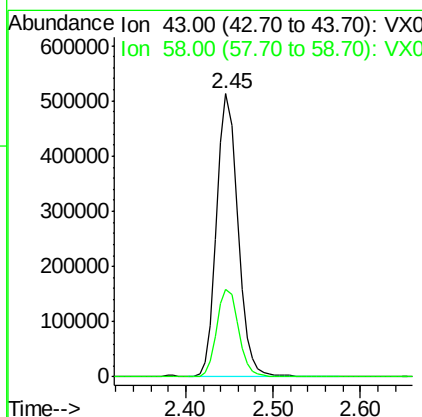
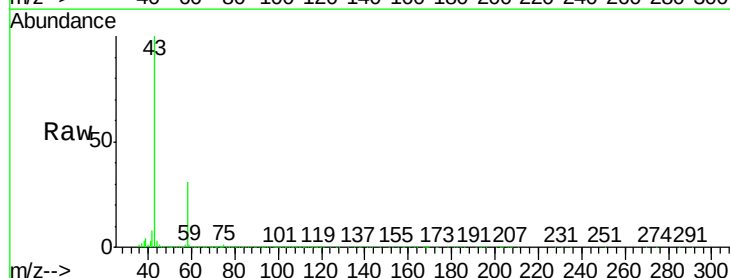
RT: 2.45 min Scan# 212

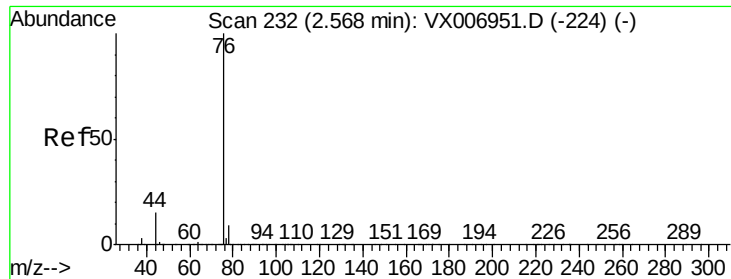
Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Tgt Ion:	43	Resp:	861964
Ion Ratio		Lower	Upper
43	100		
58	30.9	25.0	37.6





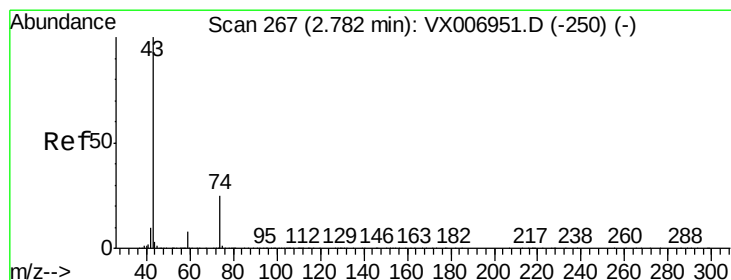
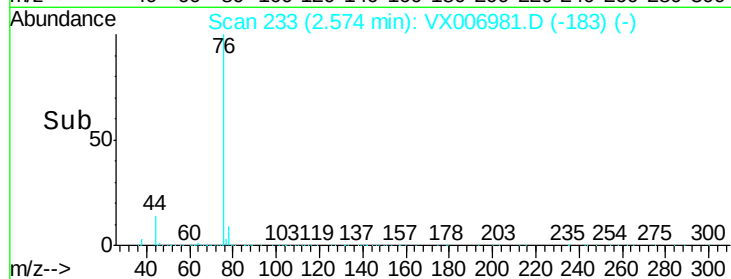
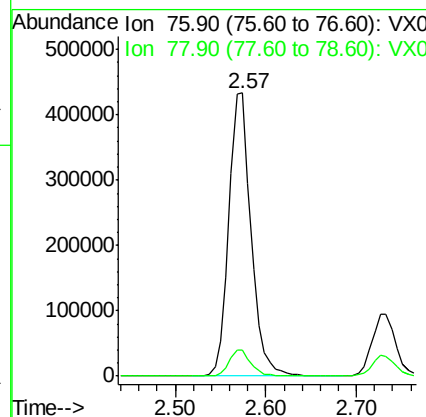
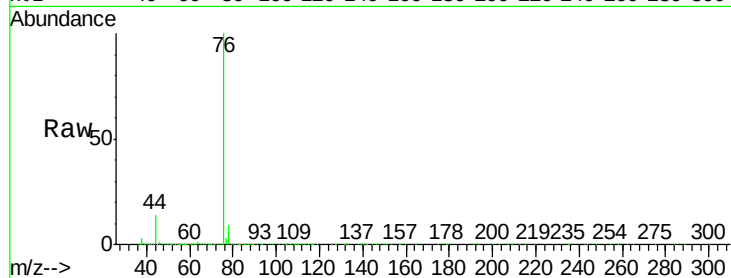
#17
Carbon Disulfide
Concen: 51.755 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

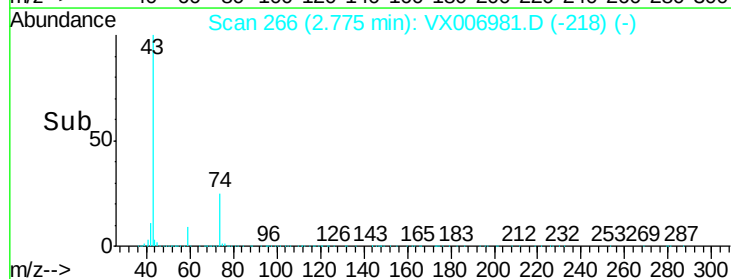
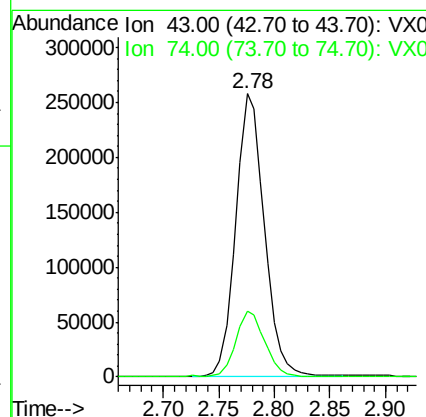
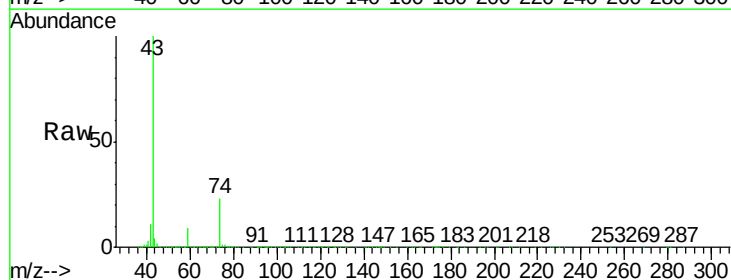
Manual Integrations
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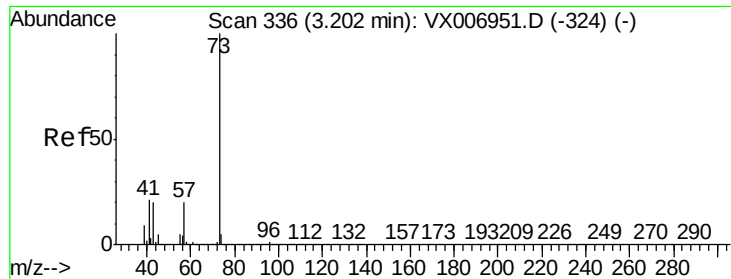
MMDadoda
1/11/2019 11:41:40 AM



#18
Methyl Acetate
Concen: 50.556 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.6	28.0





#19

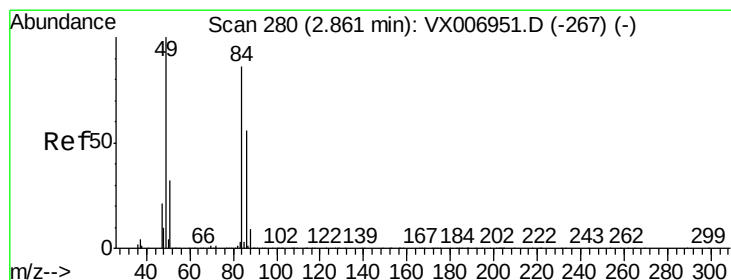
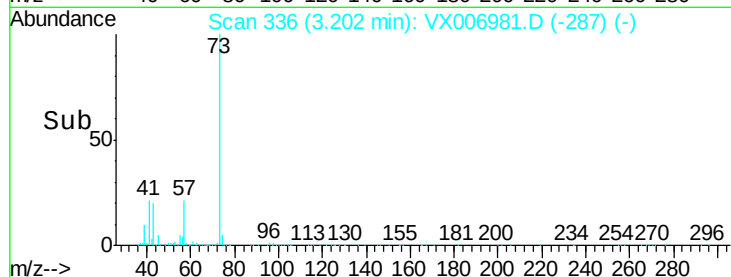
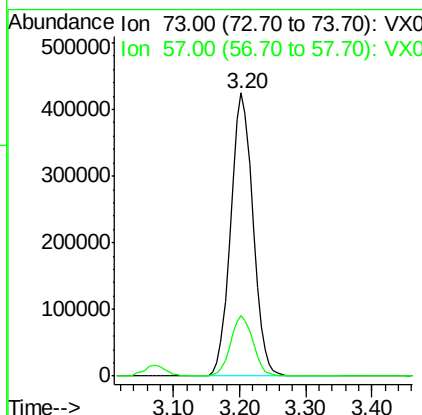
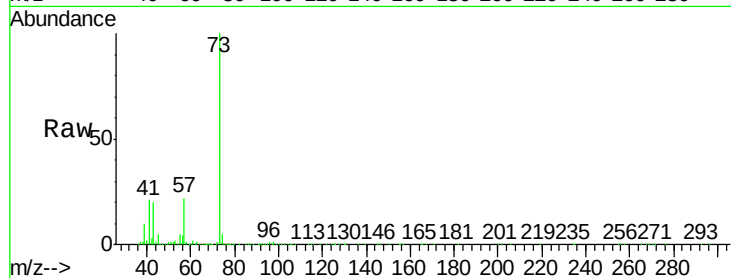
Methyl tert-butyl Ether
 Concen: 51.283 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.8	25.2

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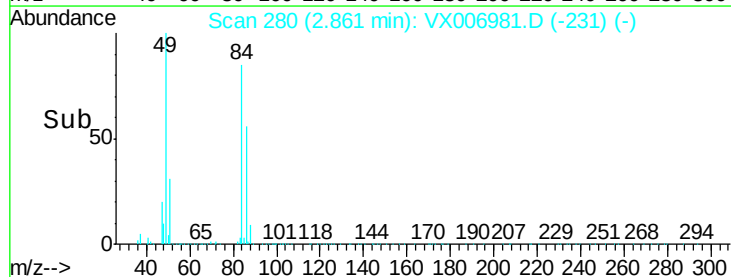
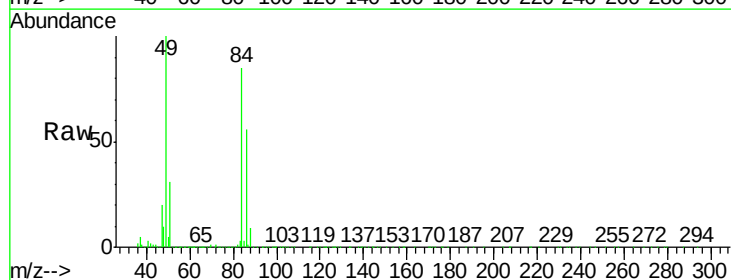
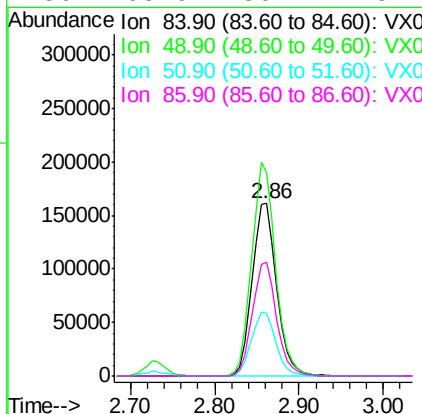
MMDadoda
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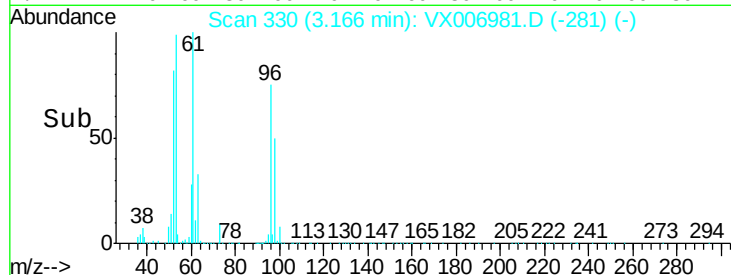
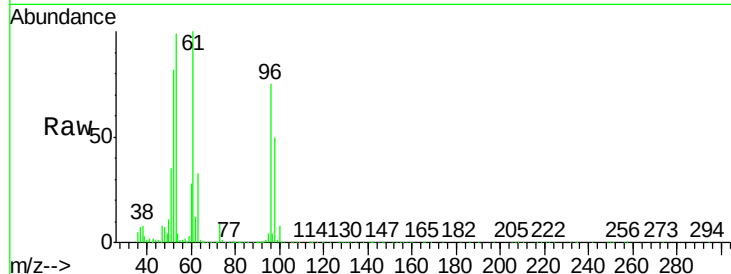
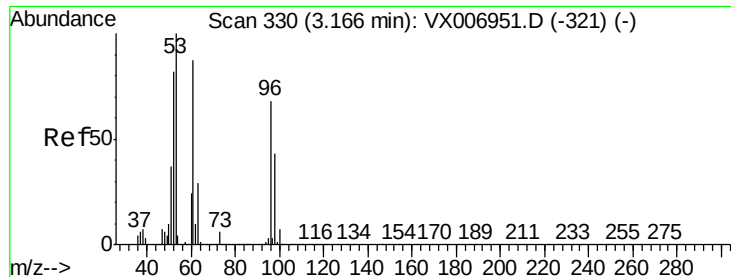


#20

Methylene Chloride
 Concen: 53.343 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.2	91.8	137.6
51	36.6	28.5	42.7
86	65.9	50.2	75.2





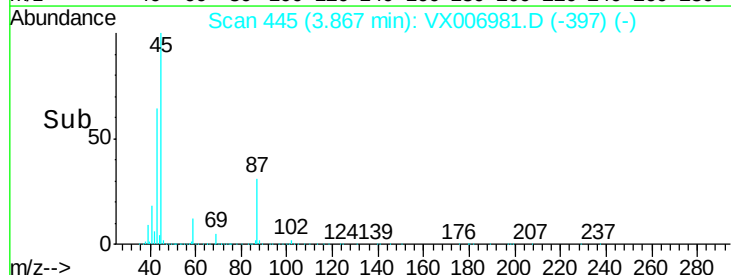
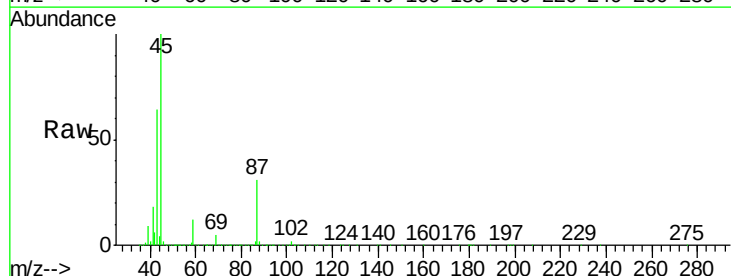
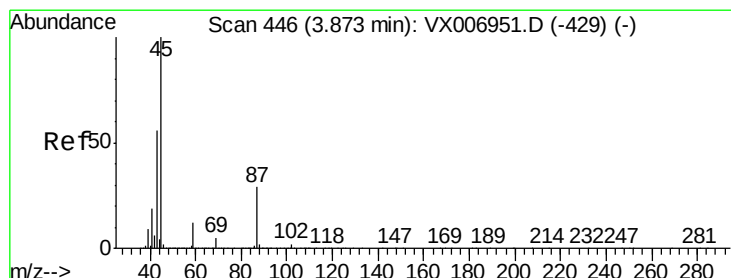
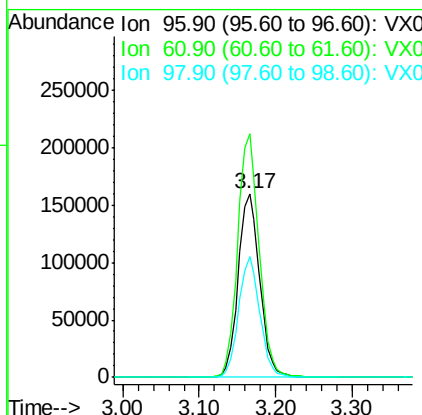
#21
trans-1,2-Dichloroethene
Concen: 50.136 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.5	103.7	155.5
98	66.0	51.0	76.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

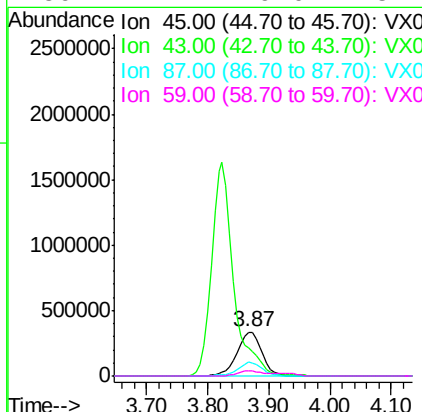
Manual Integrations
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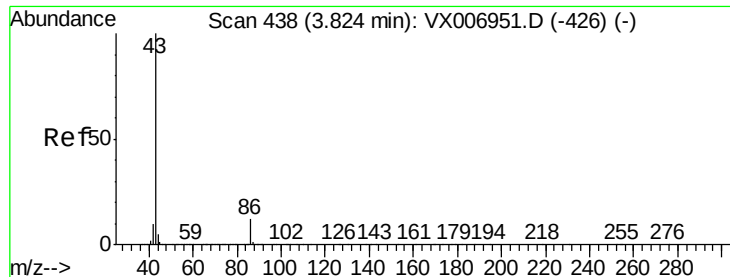
MMDadoda
1/11/2019 11:41:40 AM



#22
Diisopropyl ether
Concen: 52.128 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.01 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	51.2	76.8
87	30.8	25.8	38.6
59	12.1	9.0	13.4





#23

Vinyl Acetate

Concen: 275.044 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Tot Ion: 43 Resp: 4152868

Ion Ratio Lower Upper

43 100

86 11.0 9.2 13.8

Instrument :

MSVOA_X

ClientSampleId :

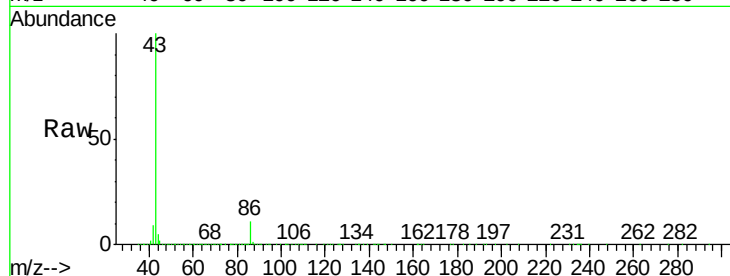
VSTDCCC050

Manual Integrations

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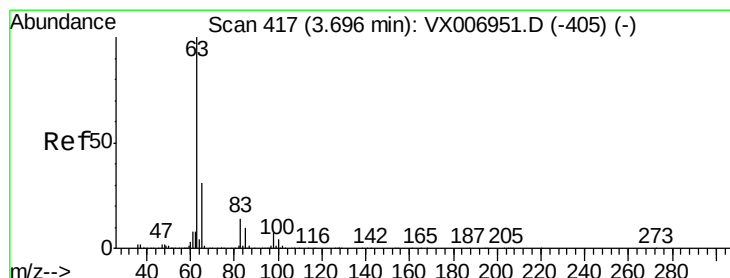
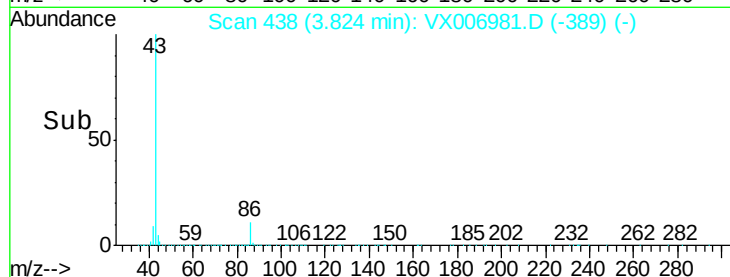
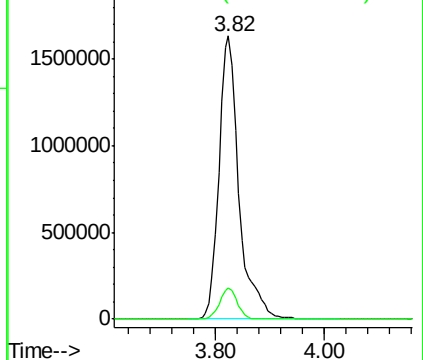
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 54.542 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

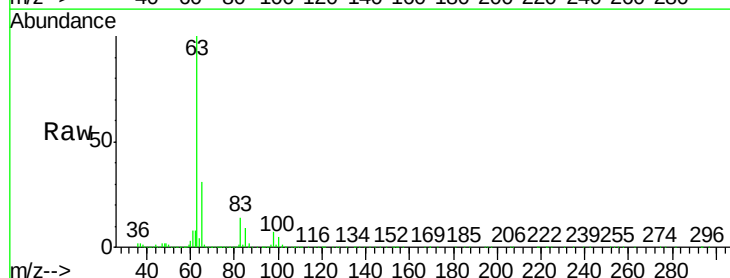
Tgt Ion: 63 Resp: 546041

Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

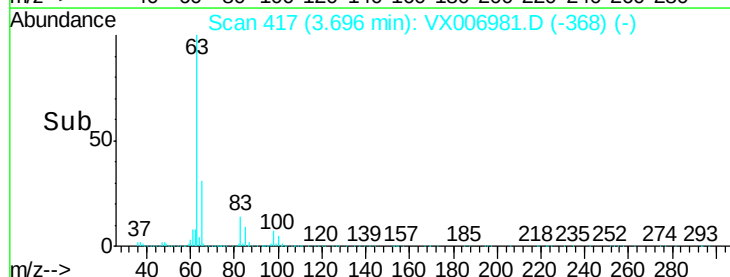
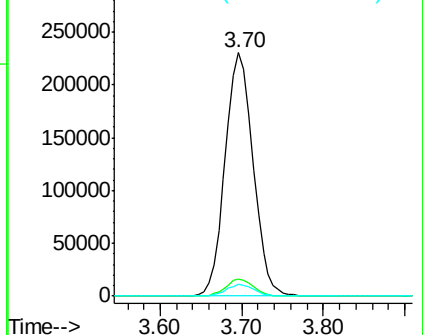
100 4.6 2.4 7.2

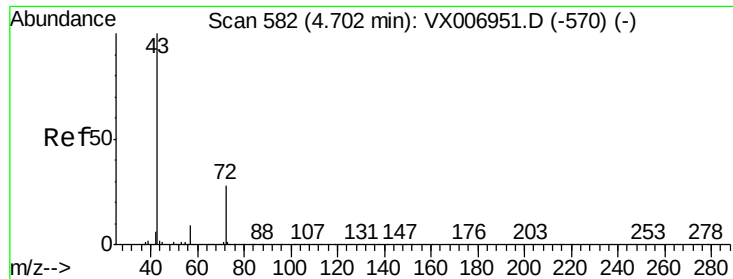


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 265.823 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1188156

Ion Ratio Lower Upper

43 100

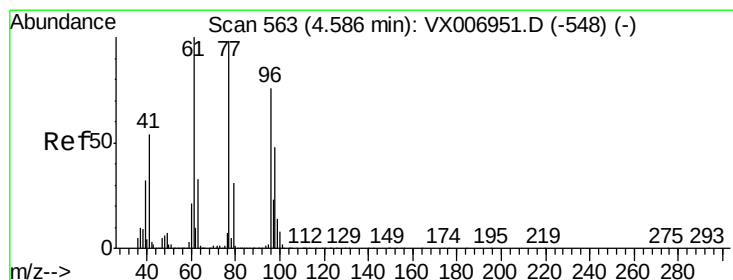
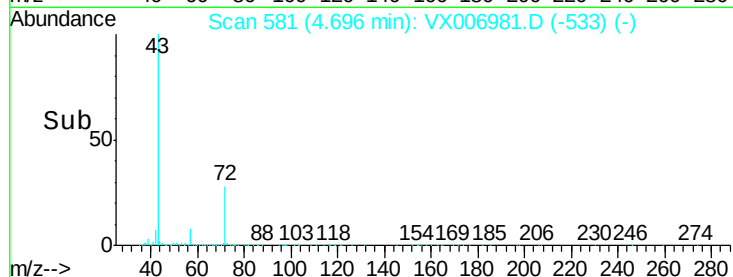
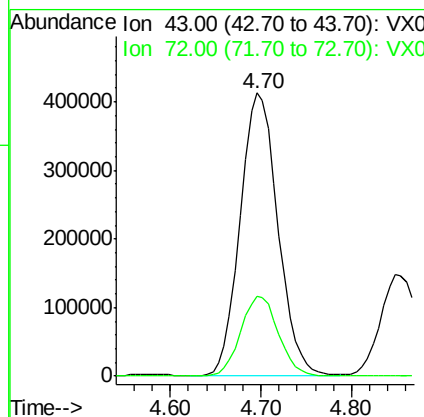
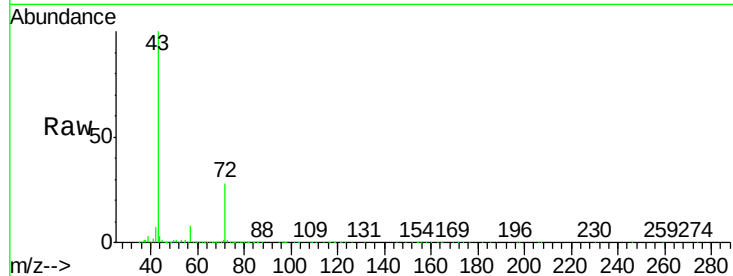
72 28.1 22.4 33.6

Manual Integrations

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1/11/2019 11:41:40 AM



#26

2,2-Dichloropropane

Concen: 55.033 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006981.D

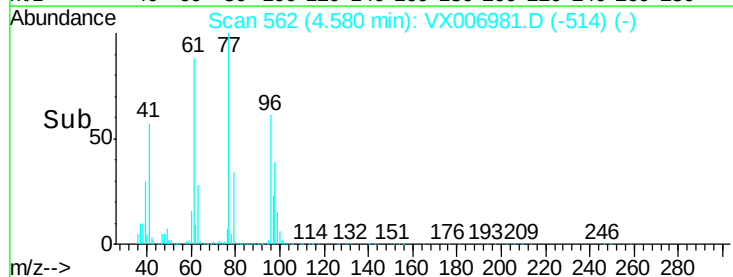
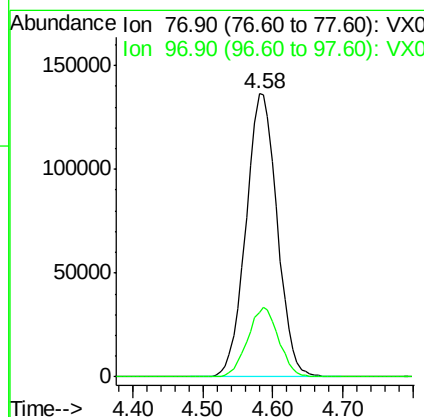
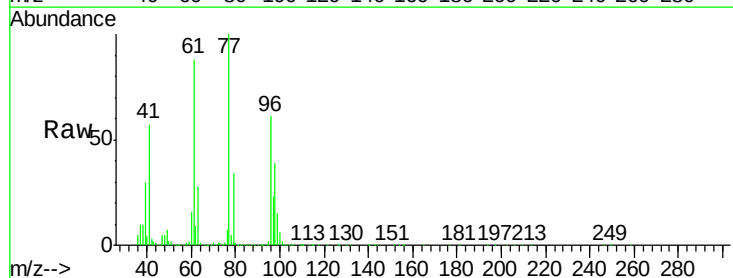
Acq: 10 Jan 2019 11:00

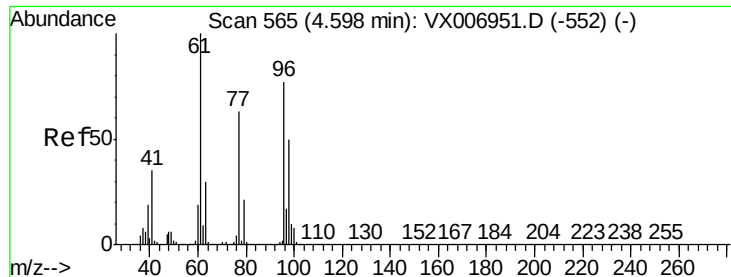
Tgt Ion: 77 Resp: 423661

Ion Ratio Lower Upper

77 100

97 24.5 12.4 37.4





#27

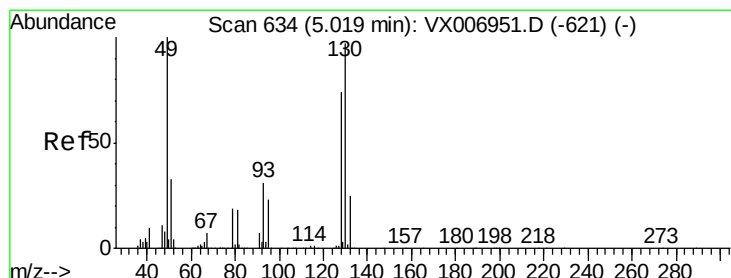
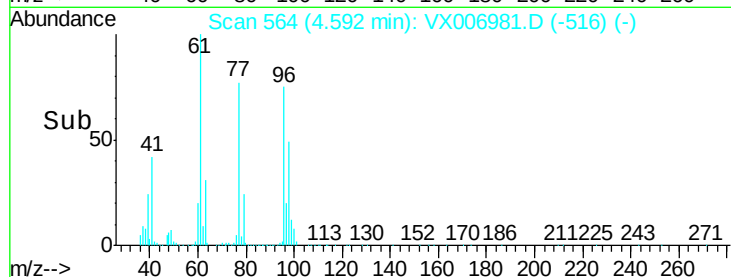
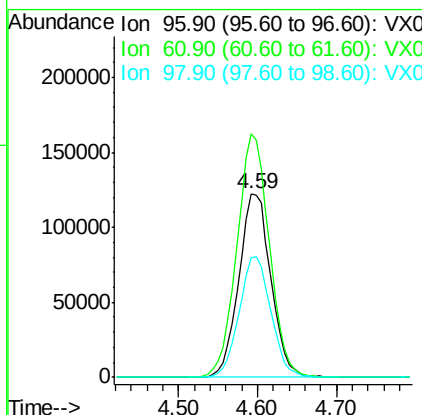
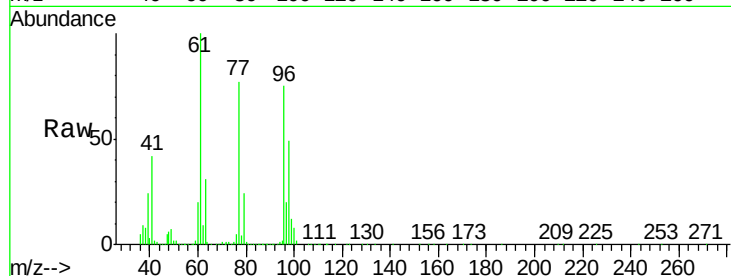
cis-1,2-Dichloroethene
 Concen: 50.646 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.4	0.0	258.6
98	65.2	0.0	132.0

Manual Integrations
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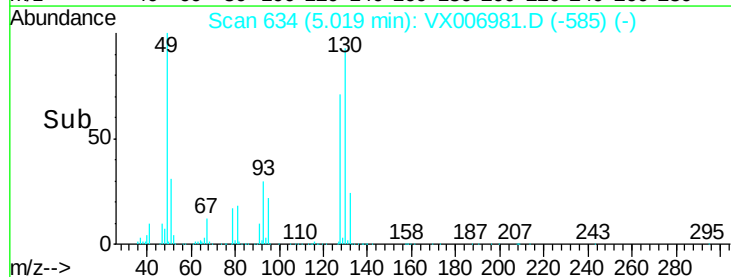
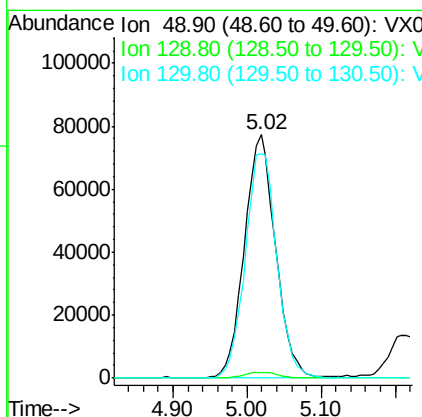
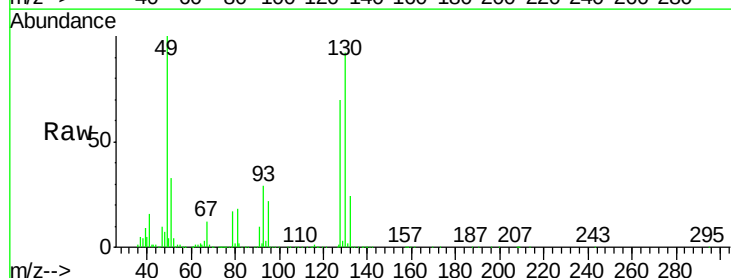
MMDadoda
 1/11/2019 11:41:40 AM

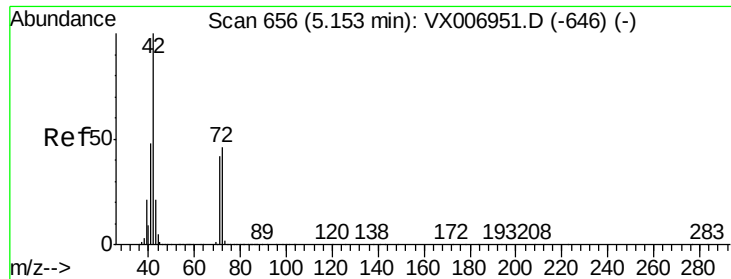


#28

Bromochloromethane
 Concen: 51.868 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	93.9	77.7	116.5





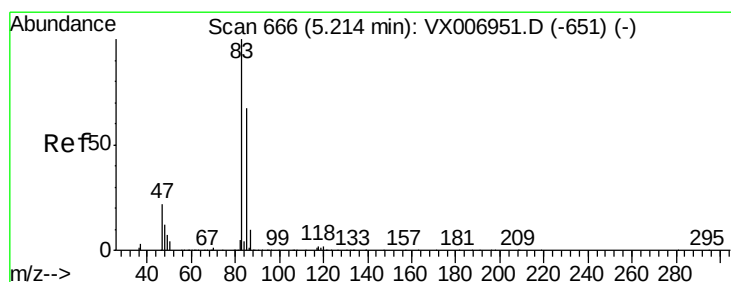
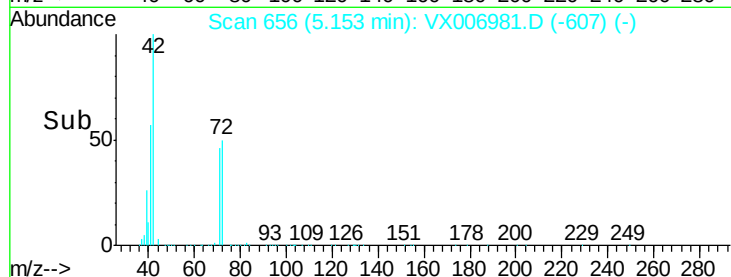
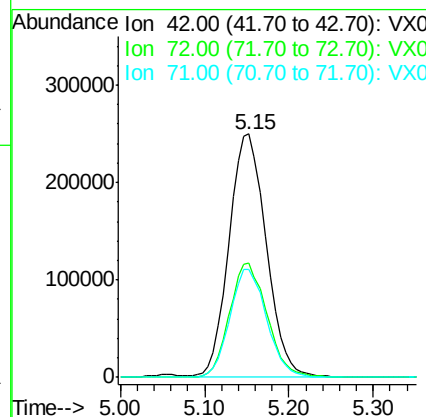
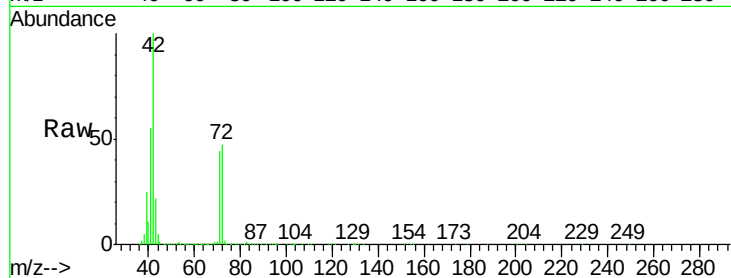
#29
Tetrahydrofuran
Concen: 257.642 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	38.9	58.3
71	44.0	36.2	54.4

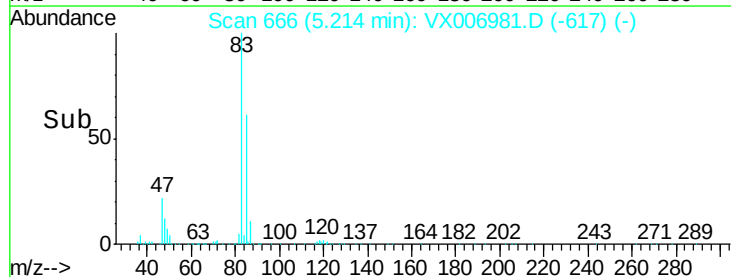
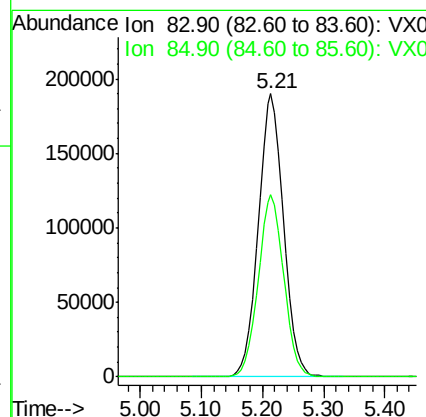
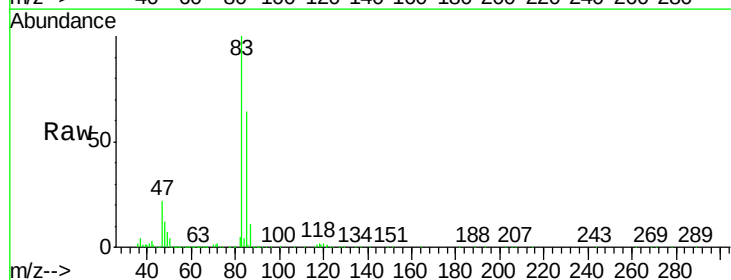
Manual Integrations
APPROVED

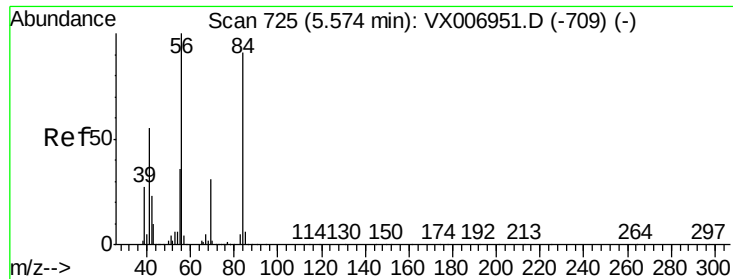
MMDadoda
1/11/2019 11:41:40 AM



#30
Chloroform
Concen: 52.426 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.2	76.8





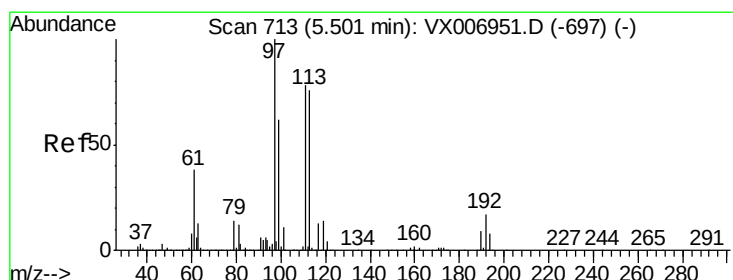
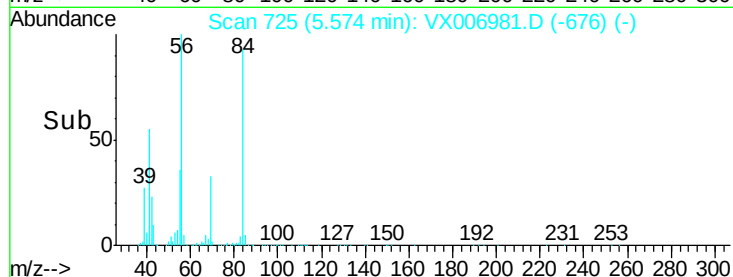
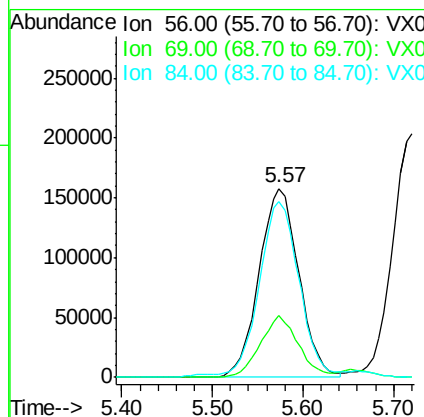
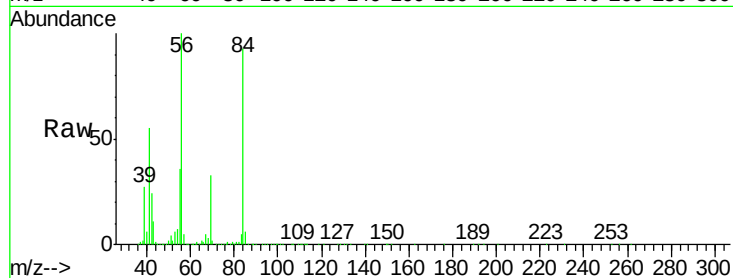
#31
Cyclohexane
Concen: 53.446 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	24.4	36.6
84	92.5	70.0	105.0

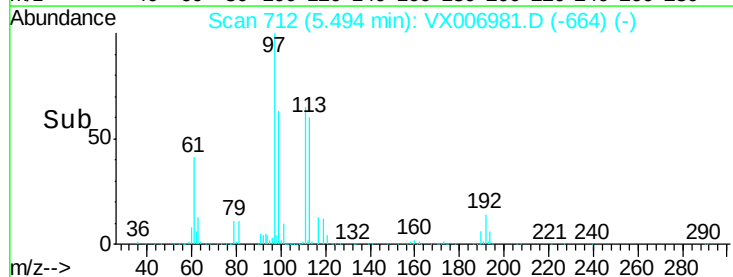
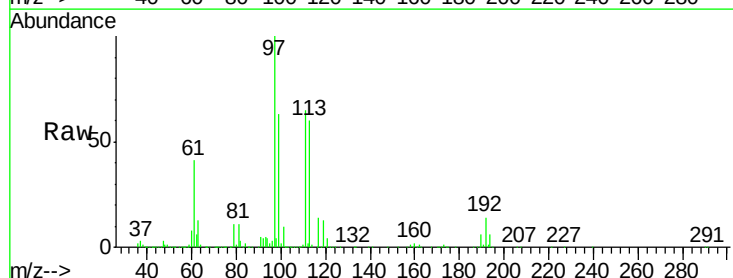
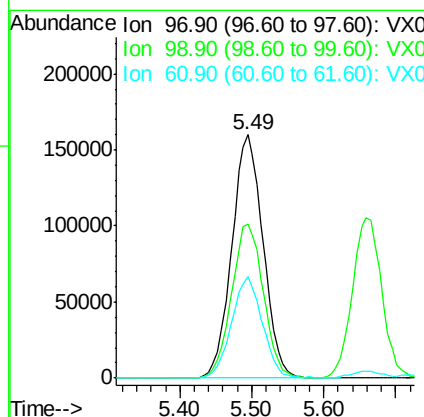
Manual Integrations
APPROVED

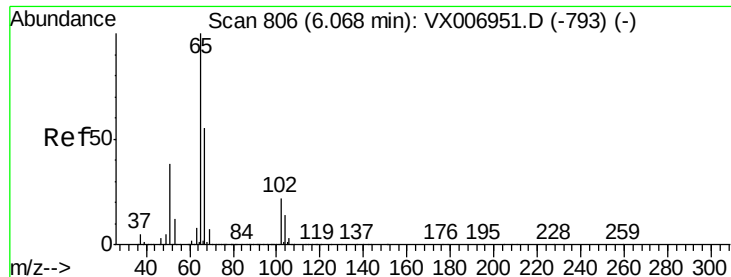
MMDadoda
1/11/2019 11:41:40 AM



#32
1,1,1-Trichloroethane
Concen: 54.159 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	40.9	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.593 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 65 Resp: 319689

Ion Ratio Lower Upper

65 100

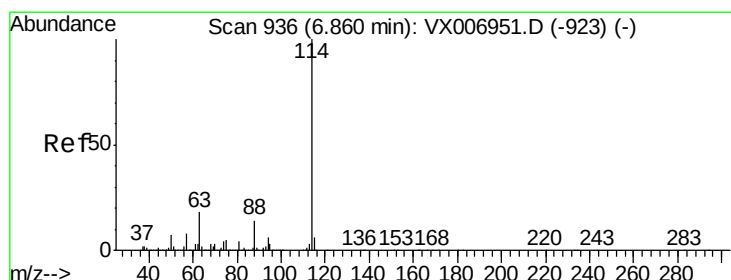
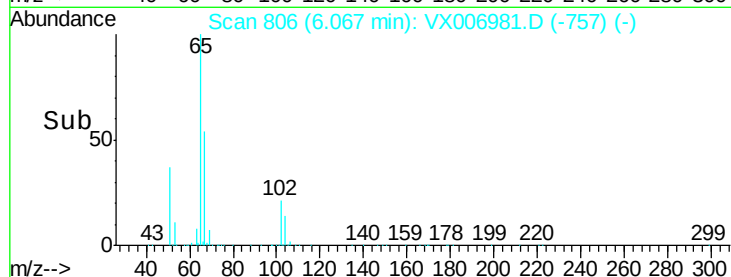
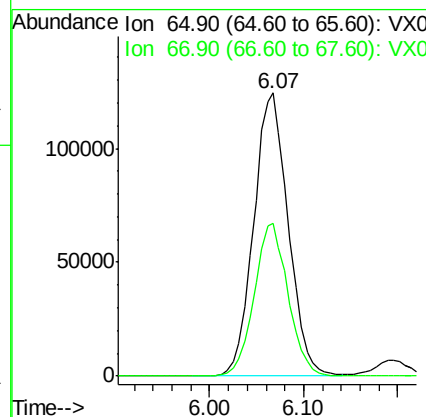
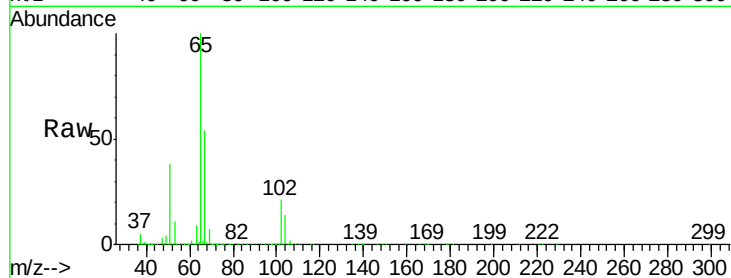
67 52.7 0.0 105.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

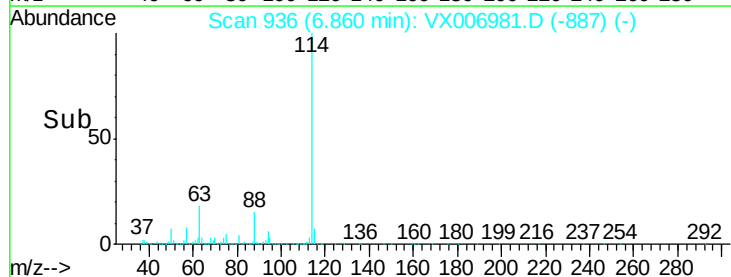
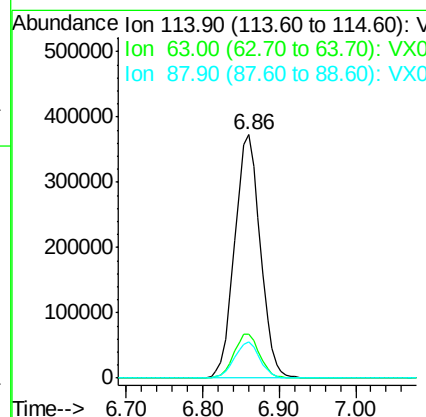
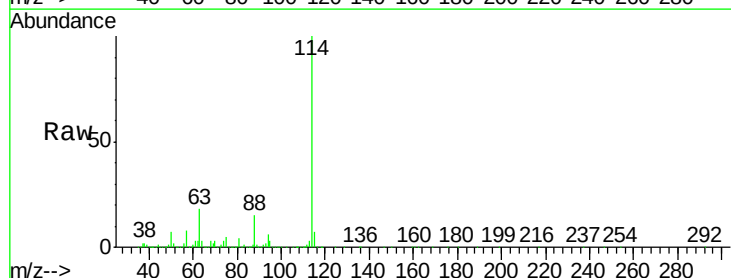
Tgt Ion: 114 Resp: 868970

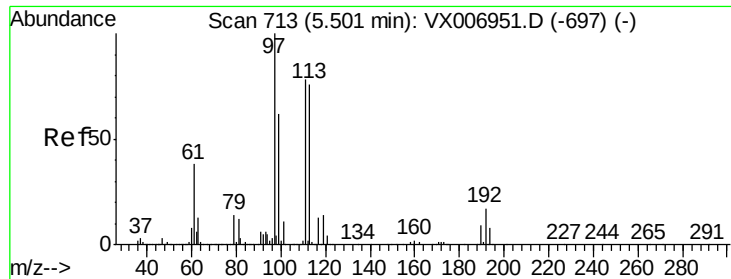
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

88 14.8 0.0 28.8





#35

Dibromofluoromethane

Concen: 52.592 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

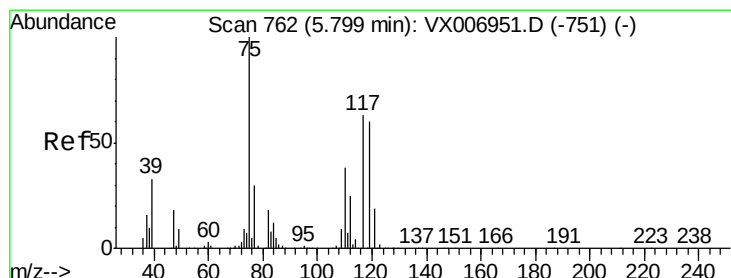
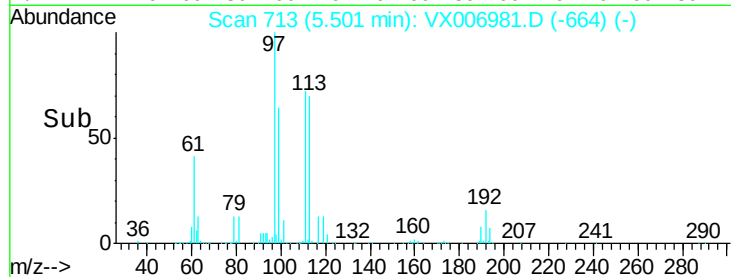
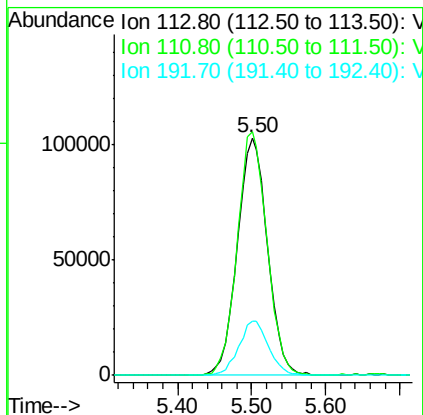
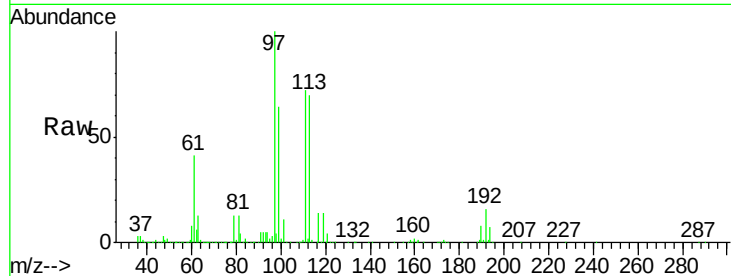
ClientSampled :

VSTDCCC050

Tot Ion:	113	Resp:	292667
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.6	122.4
192	22.5	16.7	25.1

Manual Integrations
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1/11/2019 11:41:40 AM



#36

1,1-Dichloropropene

Concen: 54.770 ug/l

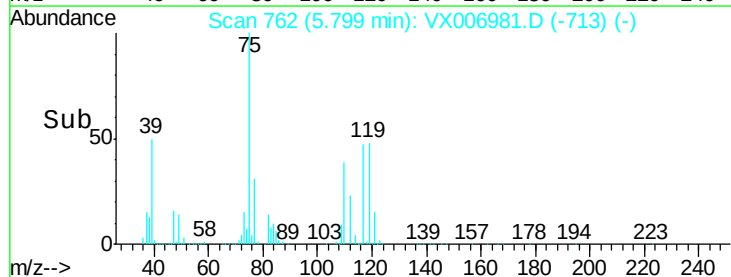
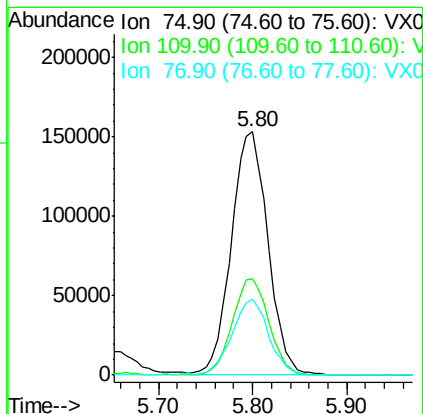
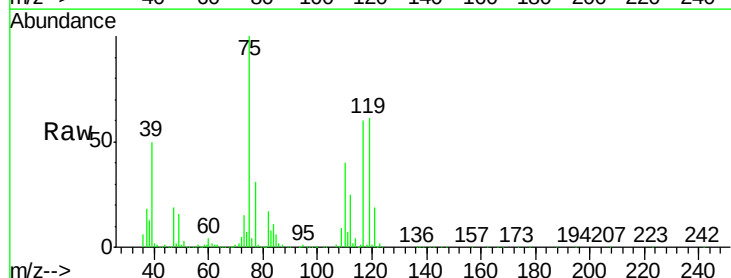
RT: 5.80 min Scan# 762

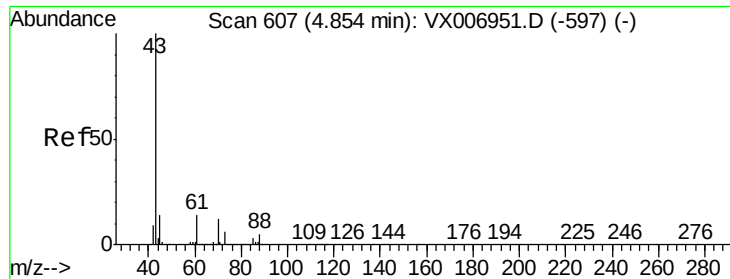
Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Tgt Ion:	75	Resp:	413787
Ion Ratio	Lower	Upper	
75	100		
110	39.9	20.2	60.5
77	31.0	24.8	37.2





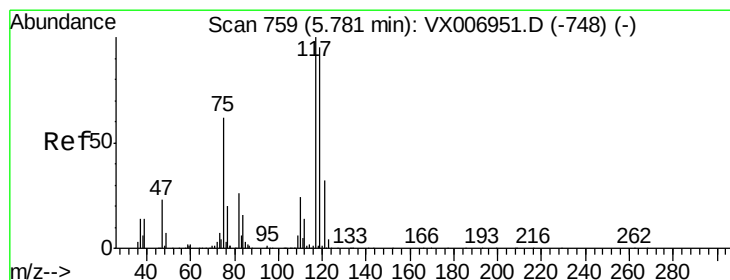
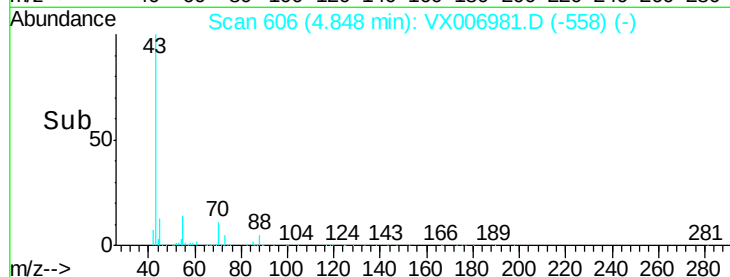
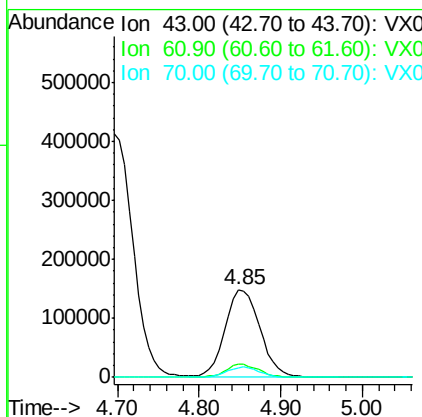
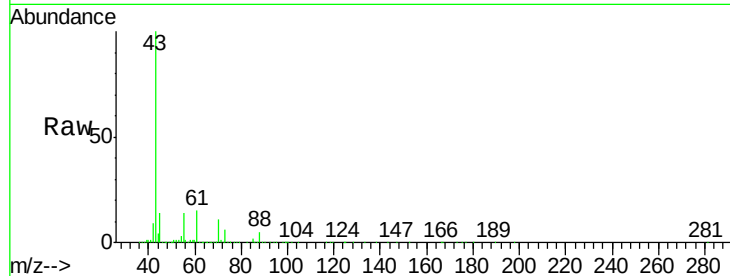
#37
Ethyl Acetate
Concen: 53.964 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.9	17.9
70	11.2	9.7	14.5

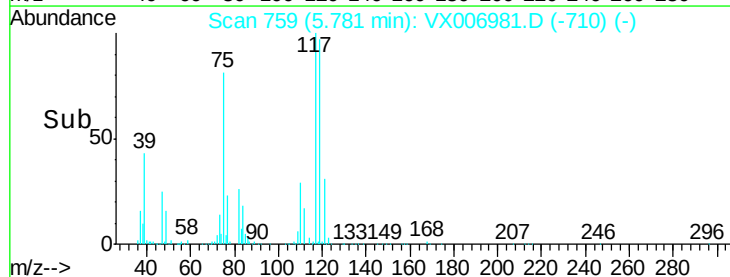
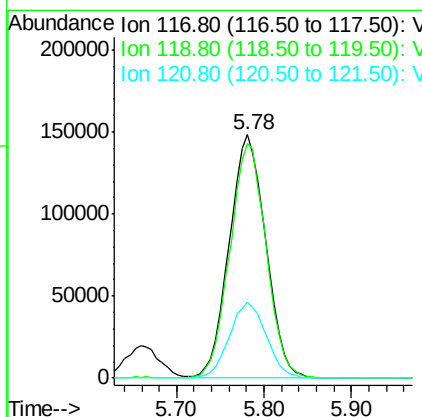
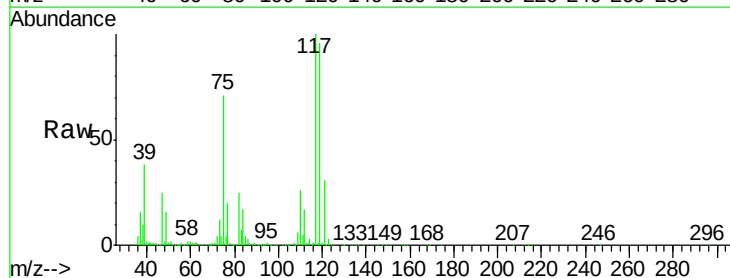
Manual Integrations
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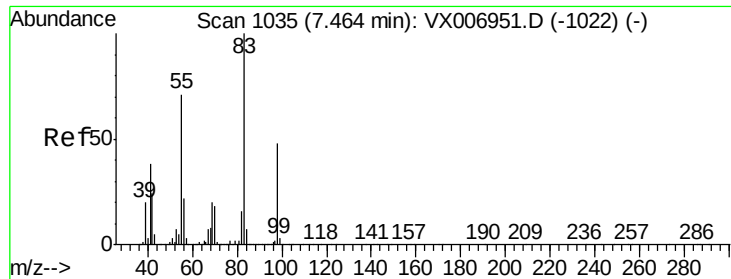
MMDadoda
1/11/2019 11:41:40 AM



#38
Carbon Tetrachloride
Concen: 56.441 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	79.4	119.2
121	31.2	24.0	36.0





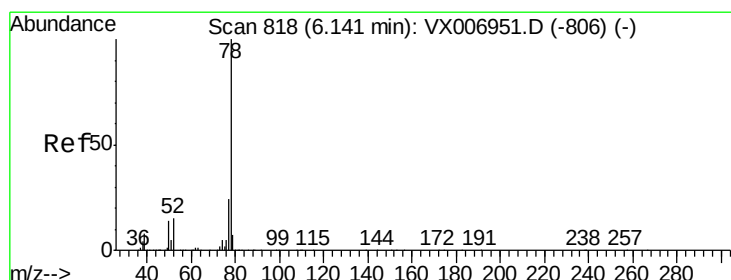
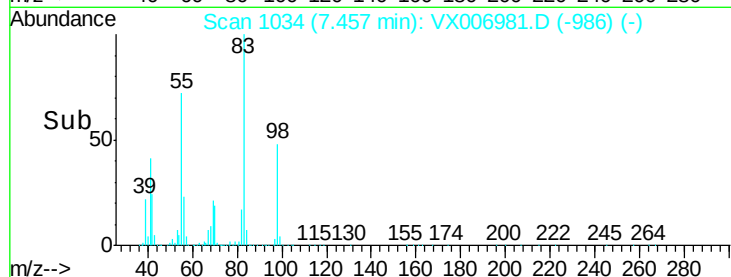
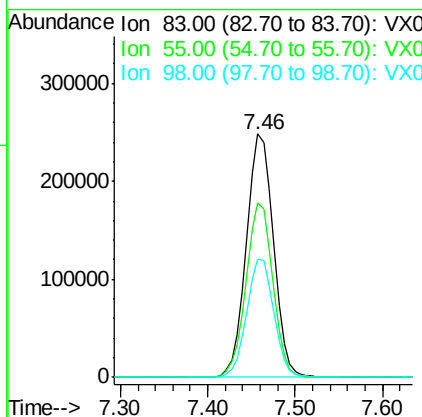
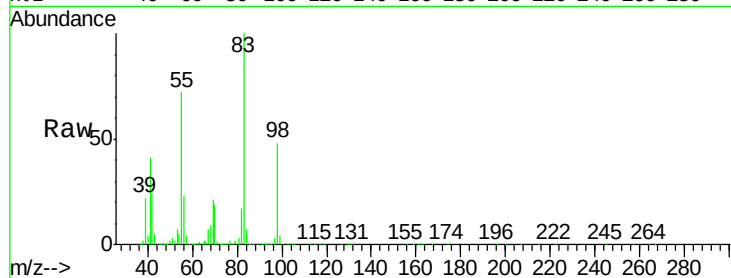
#39
Methylvlcyclohexane
Concen: 55.691 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.7	54.9	82.3
98	48.3	37.9	56.9

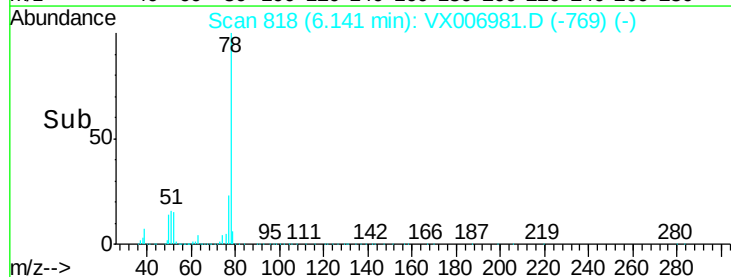
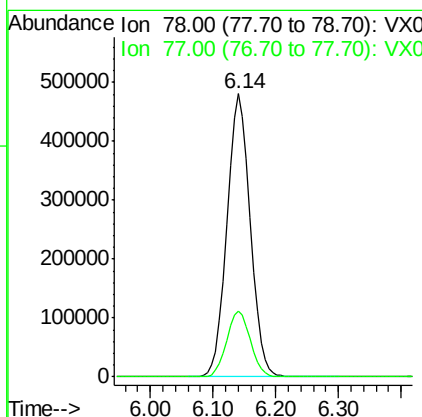
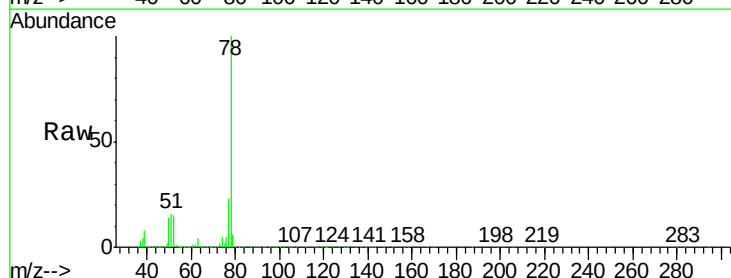
Manual Integrations
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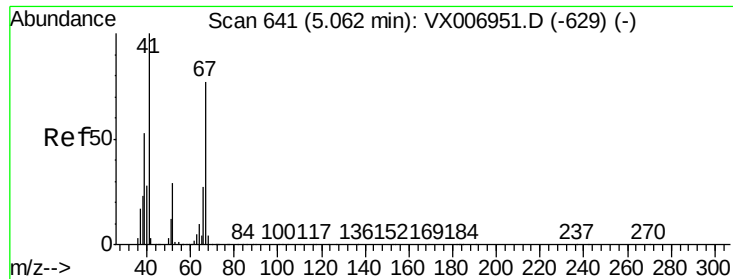
MMDadoda
1/11/2019 11:41:40 AM



#40
Benzene
Concen: 53.459 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8





#41

Methacrylonitrile

Concen: 52.071 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

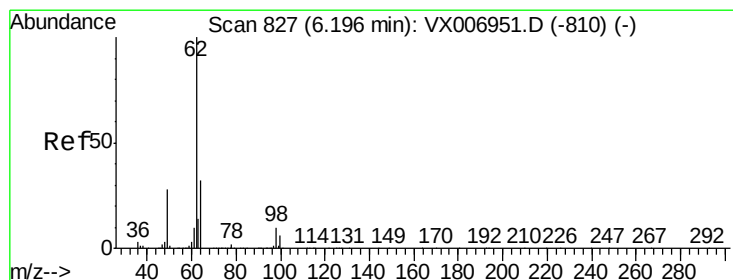
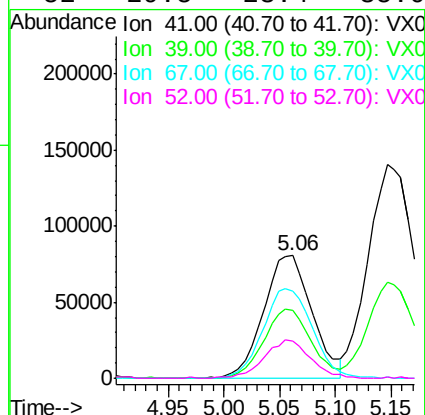
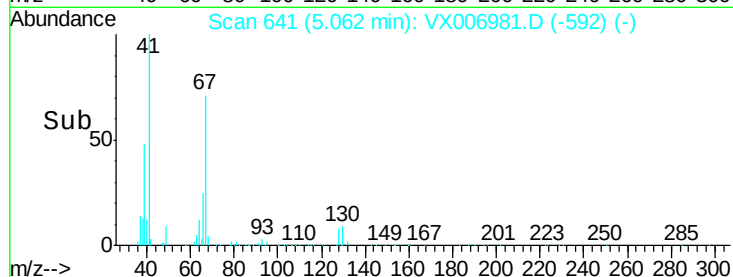
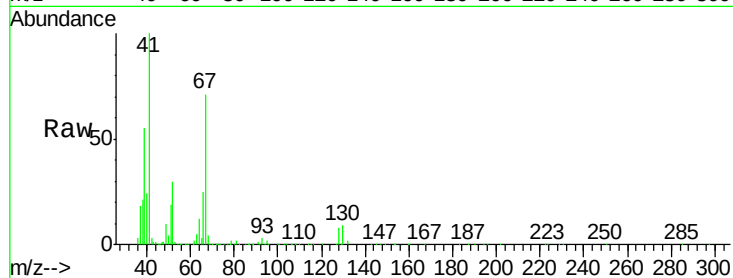
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	42.8	64.2	
67	75.0	62.1	93.1	
52	29.5	23.4	35.0	

Manual Integrations
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1/11/2019 11:41:40 AM



#42

1,2-Dichloroethane

Concen: 51.364 ug/l

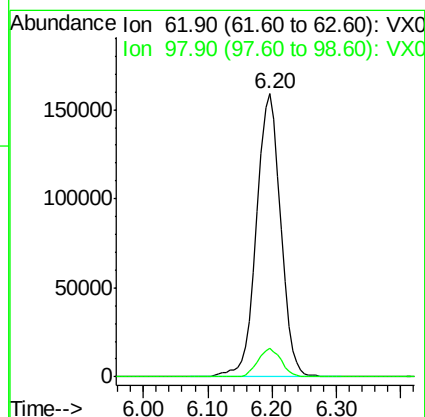
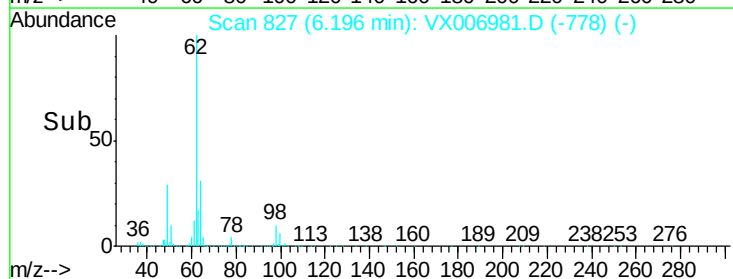
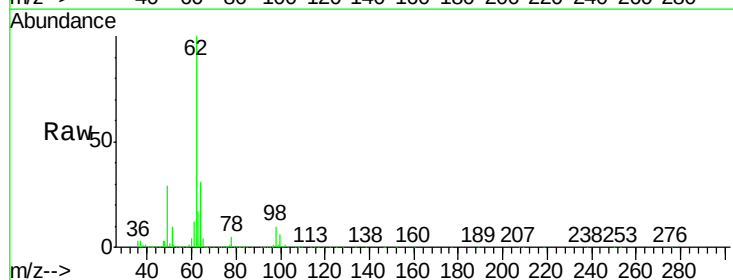
RT: 6.20 min Scan# 827

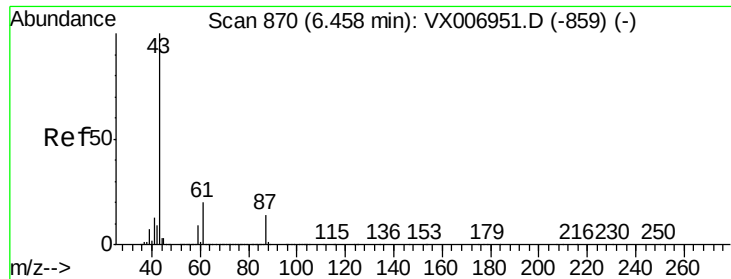
Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.2	





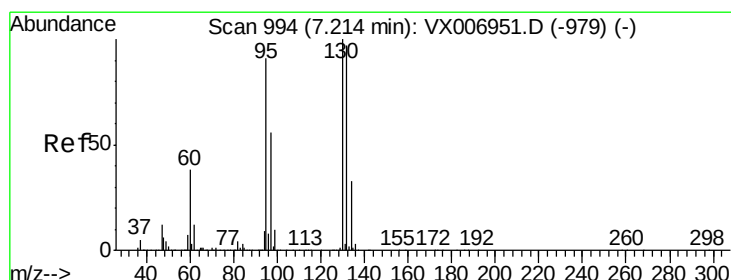
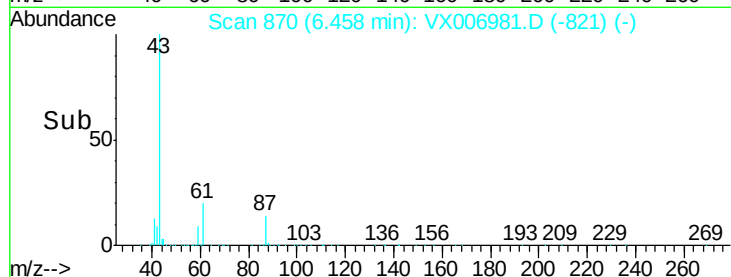
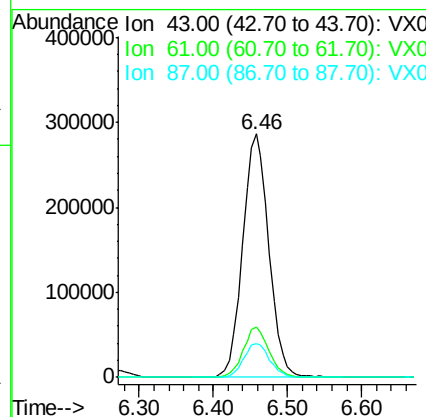
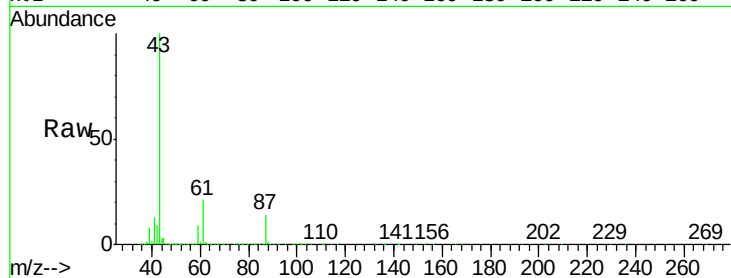
#43
Isopropyl Acetate
Concen: 54.833 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.8	25.2
87	14.2	12.4	18.6

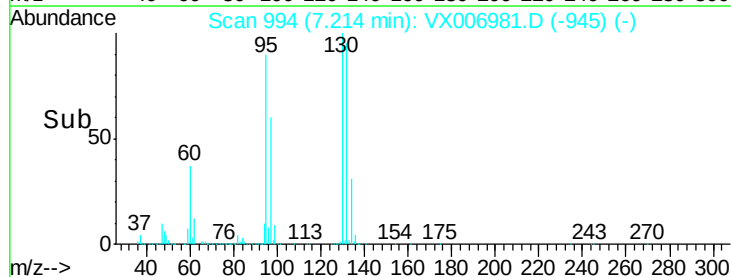
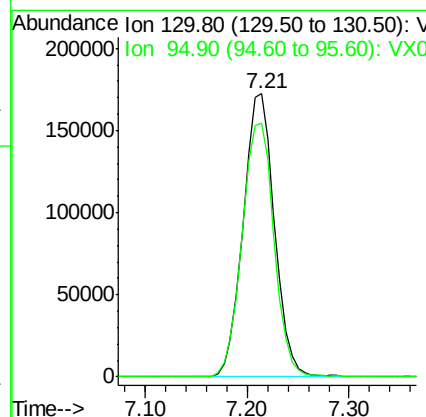
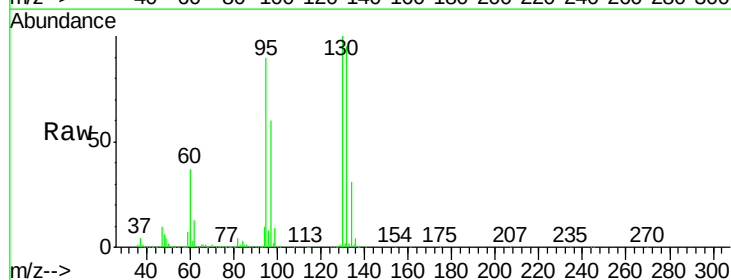
Manual Integrations
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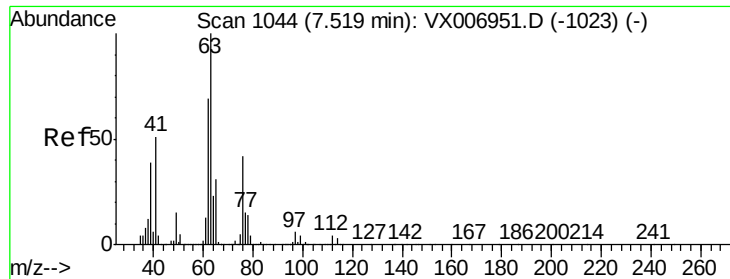
MMDadoda
1/11/2019 11:41:40 AM



#44
Trichloroethene
Concen: 53.182 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	187.0





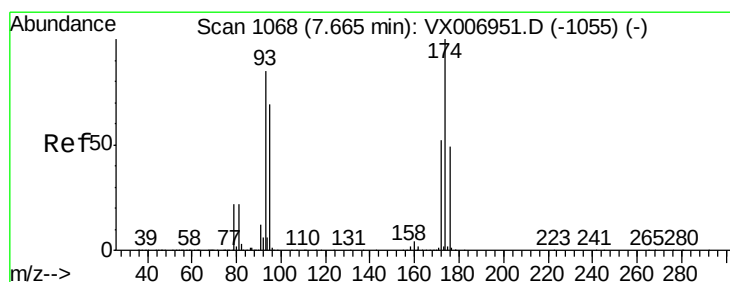
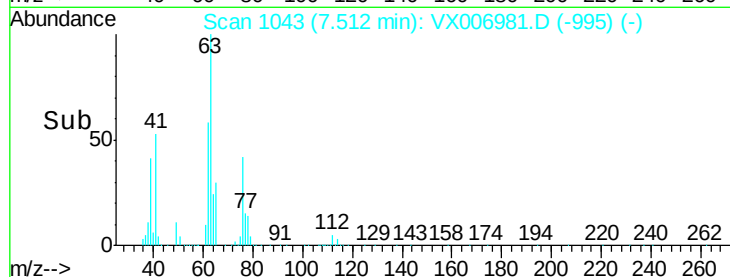
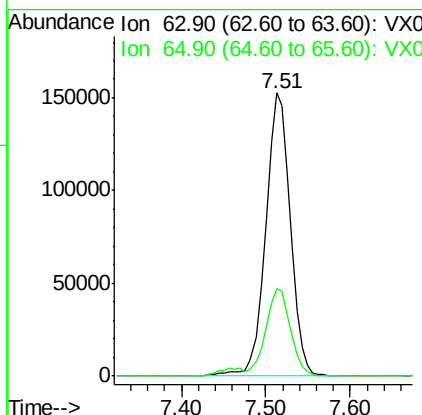
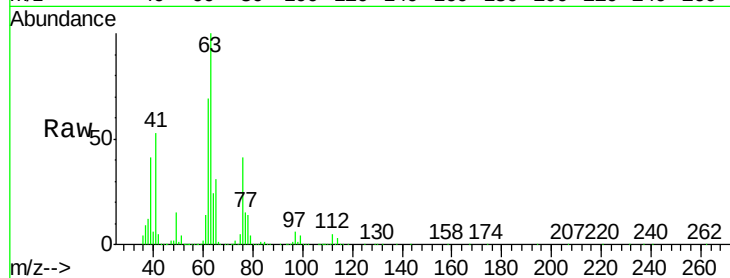
#45
 1,2-Dichloropropane
 Concen: 53.102 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.4	38.0

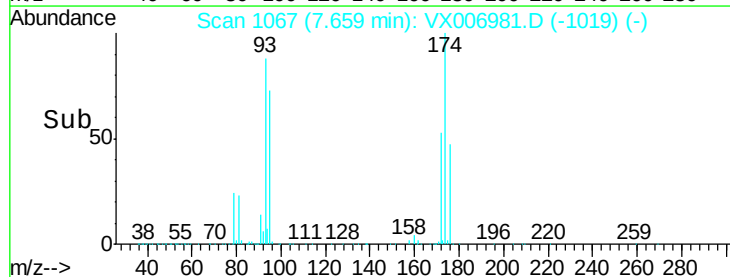
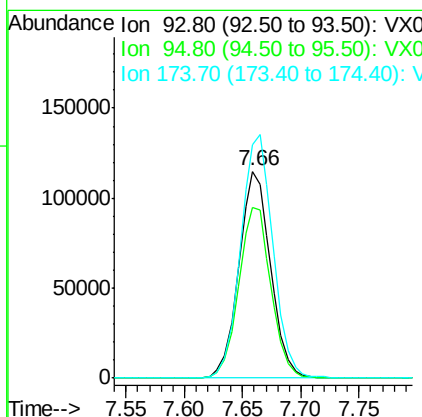
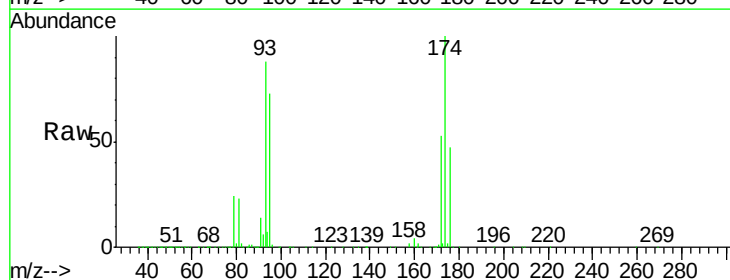
Manual Integrations
 APPROVED

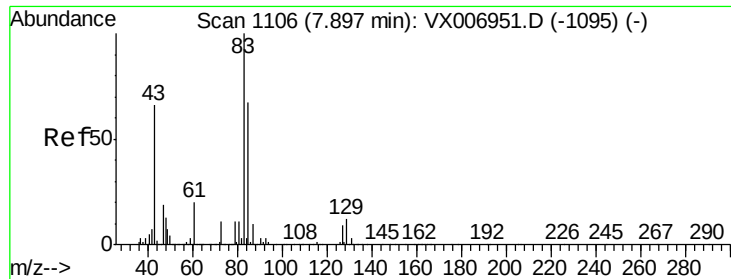
MMDadoda
 1/11/2019 11:41:40 AM



#46
 Dibromomethane
 Concen: 53.304 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.2	99.4
174	120.2	91.0	136.4





#47

Bromodichloromethane

Concen: 56.928 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

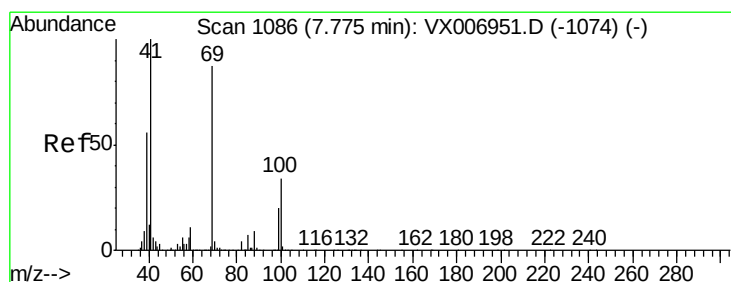
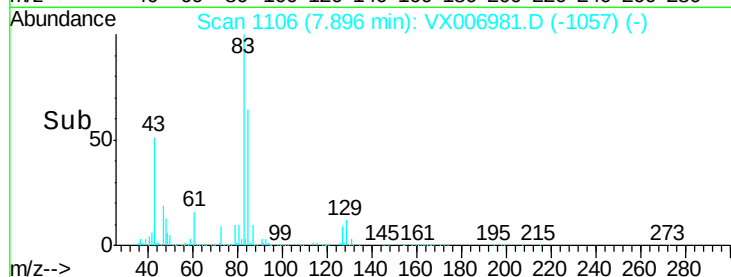
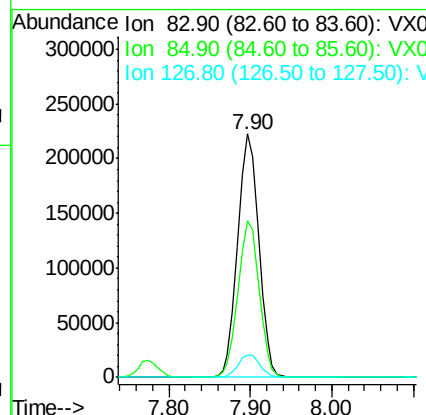
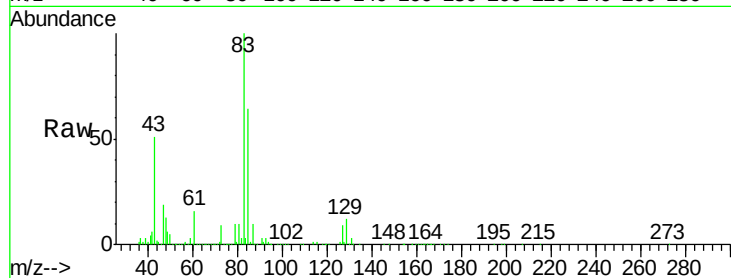
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	394679
Ion Ratio	Lower	Upper	
83	100		
85	64.1	53.2	79.8
127	9.3	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.553 ug/l

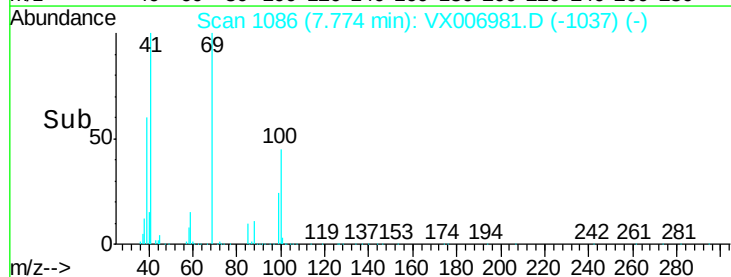
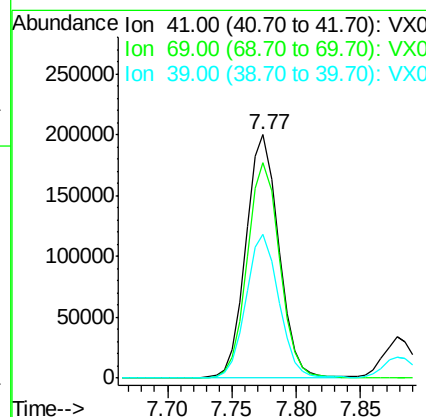
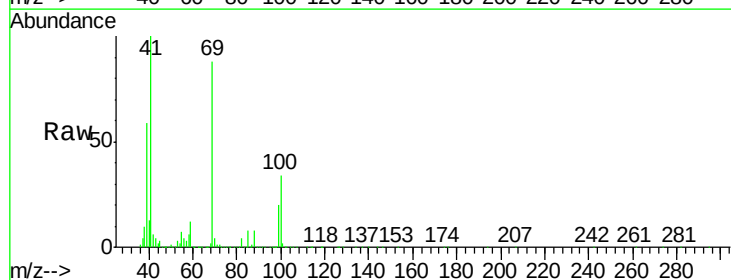
RT: 7.77 min Scan# 1086

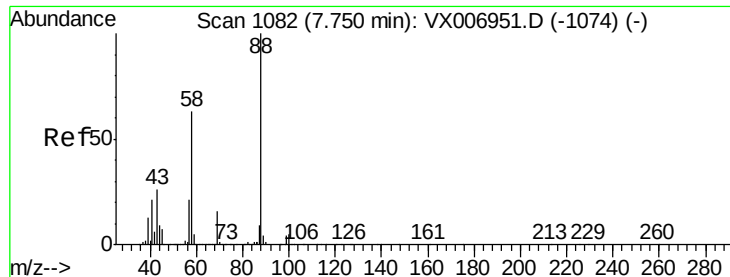
Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Tgt Ion:	41	Resp:	351362
Ion Ratio	Lower	Upper	
41	100		
69	88.1	72.4	108.6
39	59.4	45.8	68.8





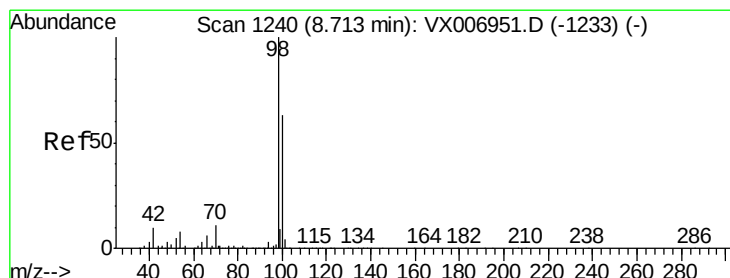
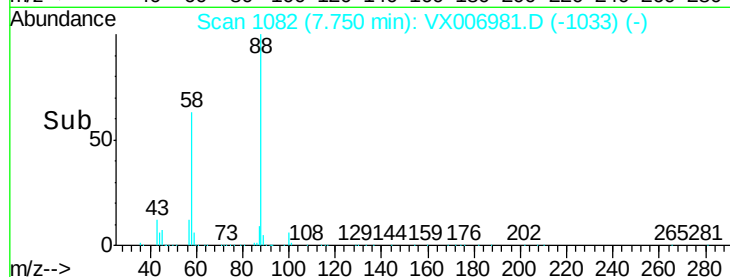
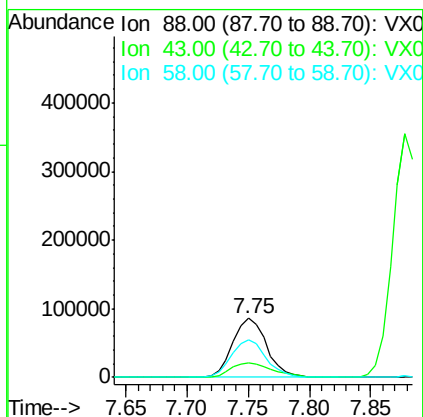
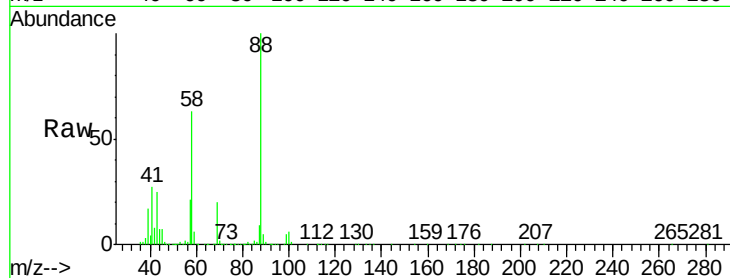
#49
1,4-Dioxane
Concen: 1108.949 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.7	22.2	33.4
58	64.9	51.0	76.4

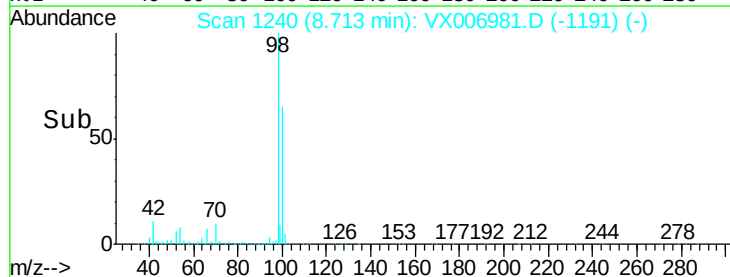
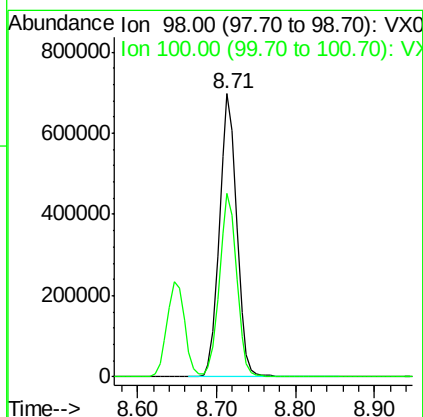
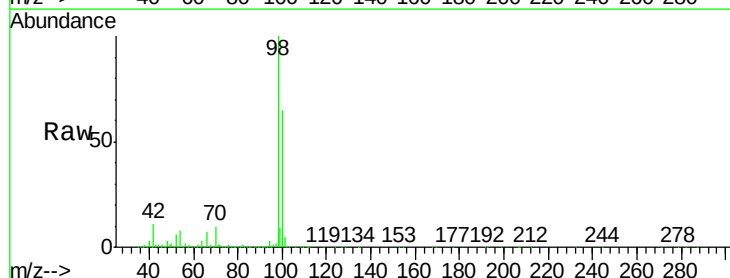
Manual Integrations
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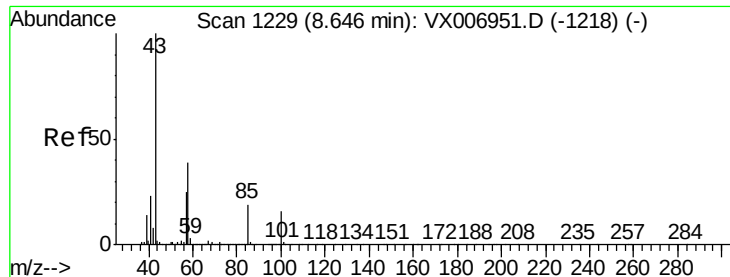
MMDadoda
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#50
Toluene-d8
Concen: 52.376 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 271.891 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2232406

Ion Ratio Lower Upper

43 100

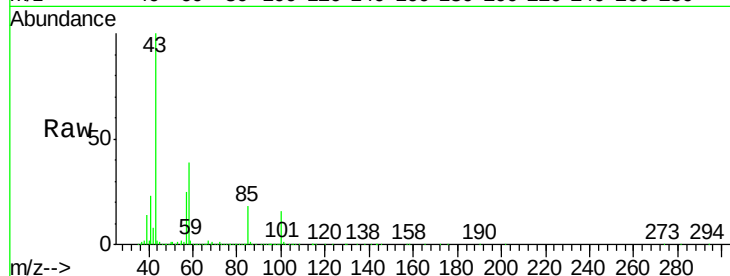
58 39.2 31.8 47.6

Manual Integrations

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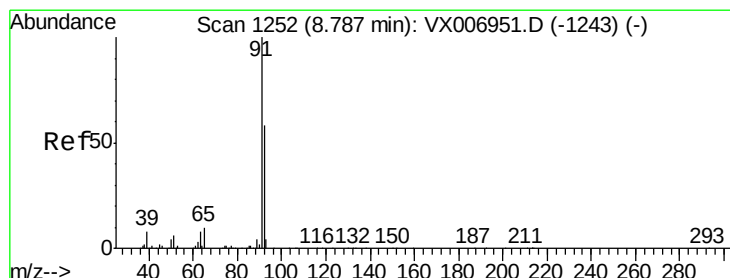
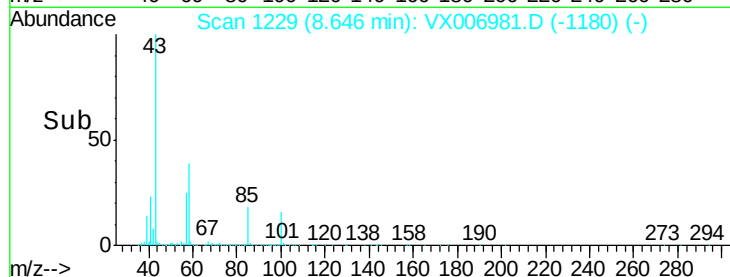
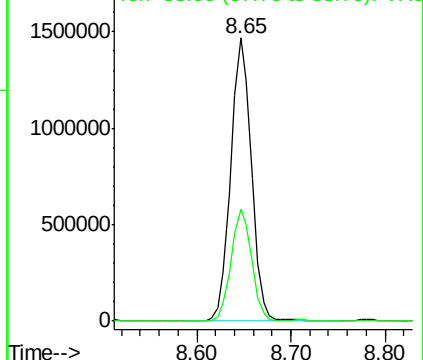
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.660 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006981.D

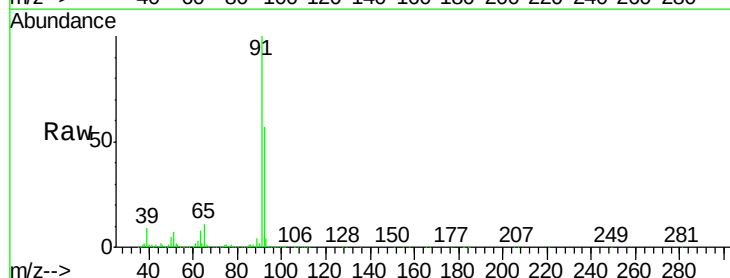
Acq: 10 Jan 2019 11:00

Tgt Ion: 92 Resp: 795058

Ion Ratio Lower Upper

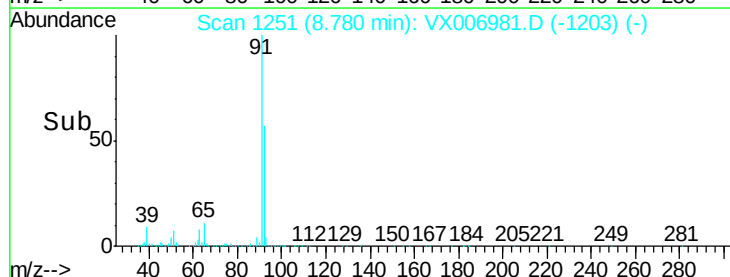
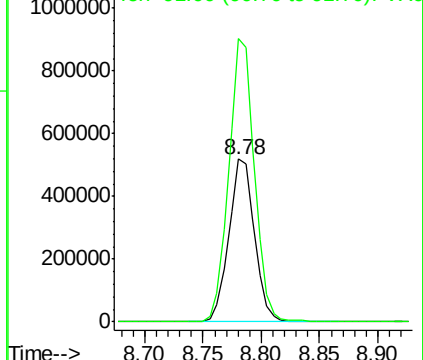
92 100

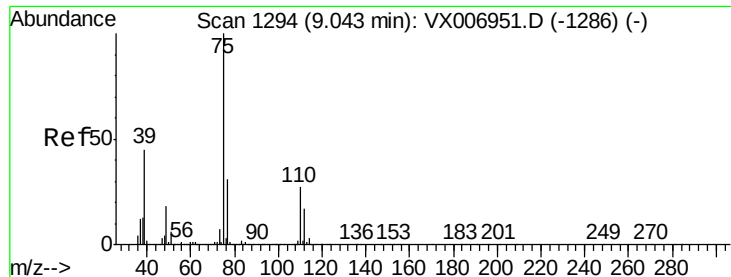
91 174.0 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 58.199 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 447420

Ion Ratio Lower Upper

75 100

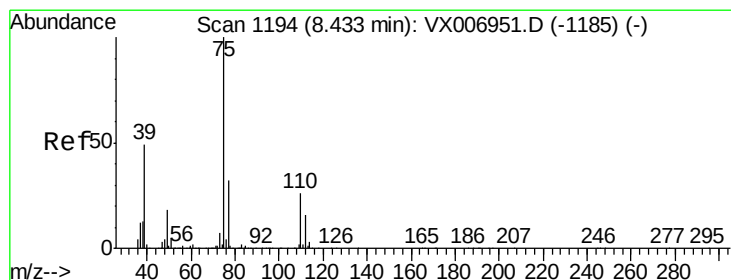
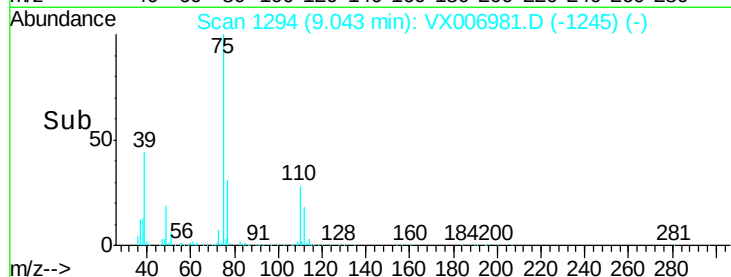
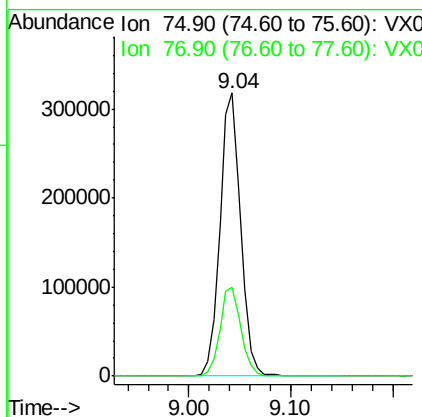
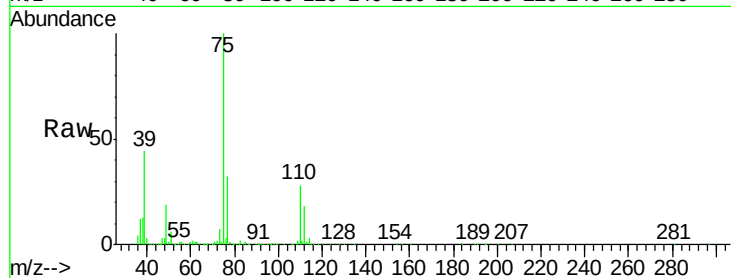
77 31.5 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 57.359 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

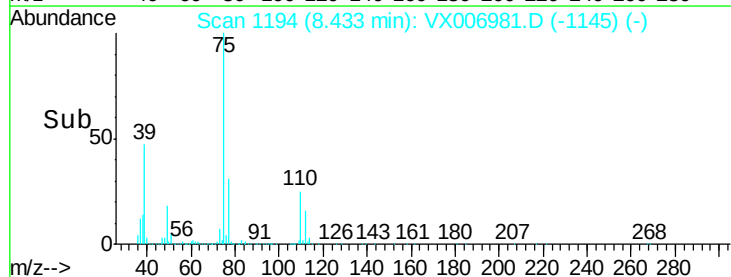
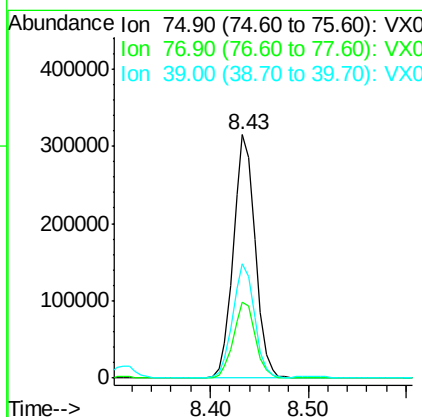
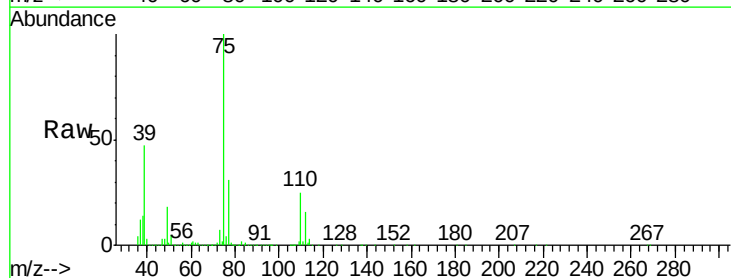
Tgt Ion: 75 Resp: 486977

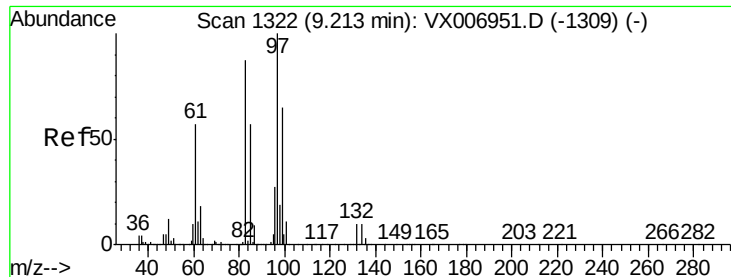
Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2

39 46.8 36.7 55.1





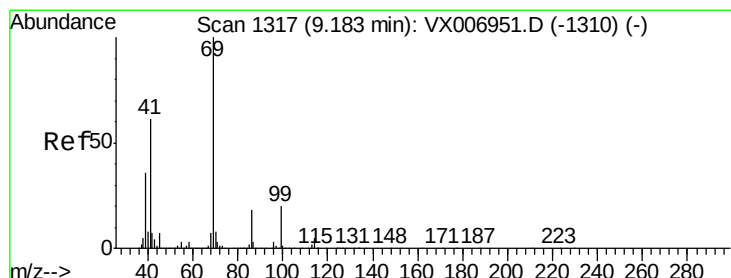
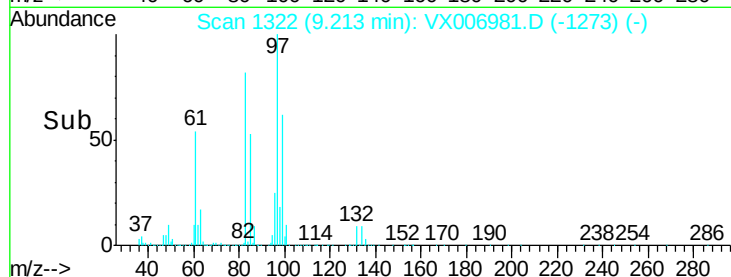
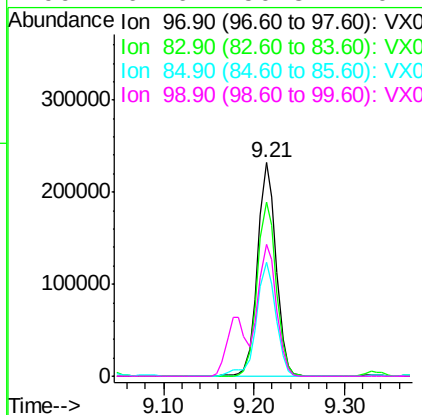
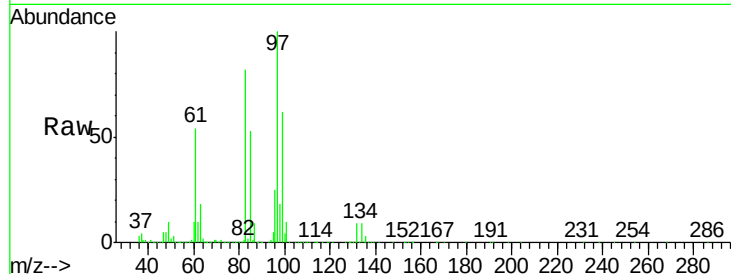
#55
1,1,2-Trichloroethane
Concen: 55.357 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		328300		
83	81.7	66.6	99.8		
85	53.2	42.7	64.1		
99	61.6	50.8	76.2		

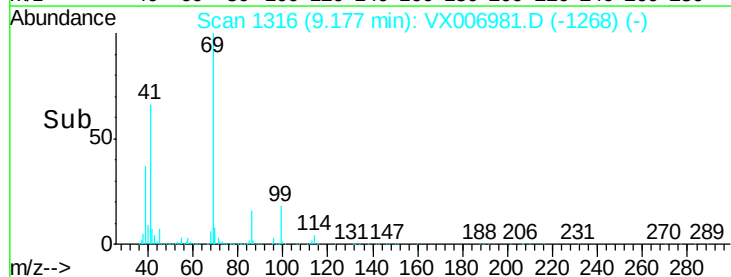
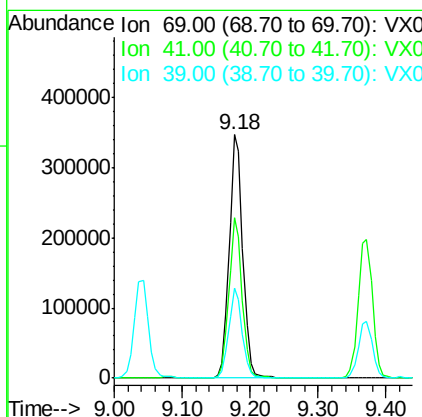
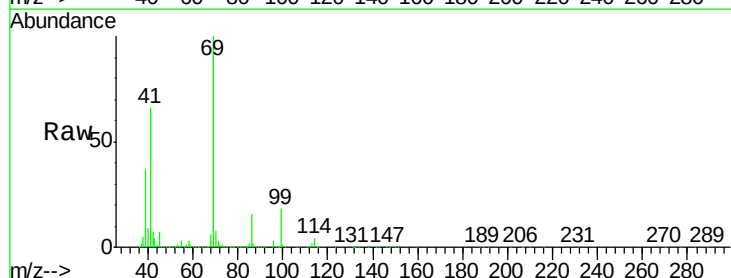
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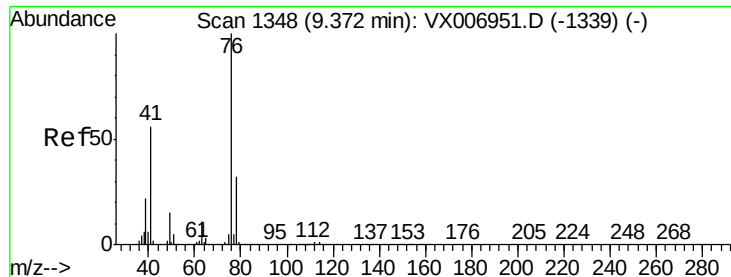
MMDadoda
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#56
Ethyl methacrylate
Concen: 55.325 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		478995		
41	64.1	48.7	73.1		
39	36.3	27.0	40.6		





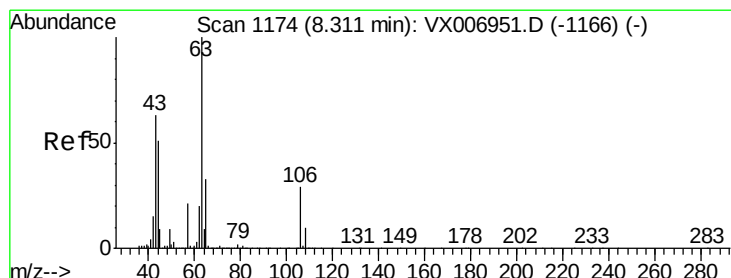
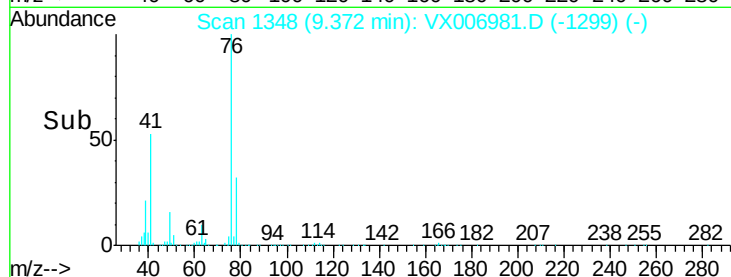
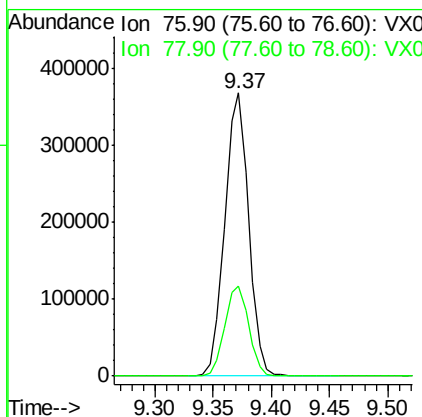
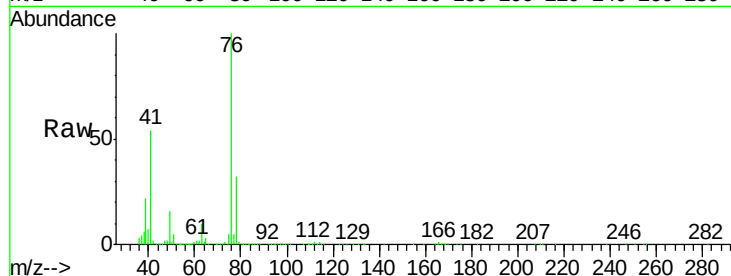
#57
 1,3-Dichloropropane
 Concen: 53.757 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 522300
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.0 39.0

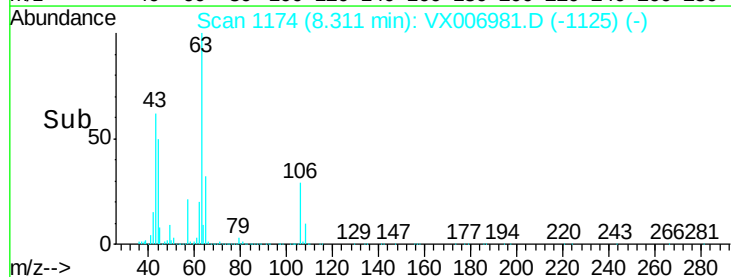
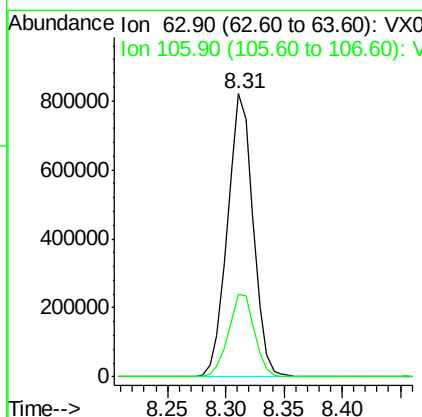
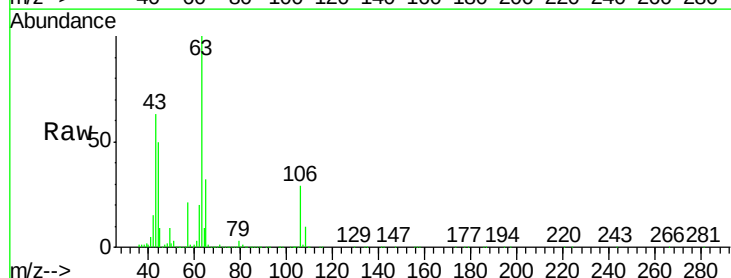
Manual Integrations
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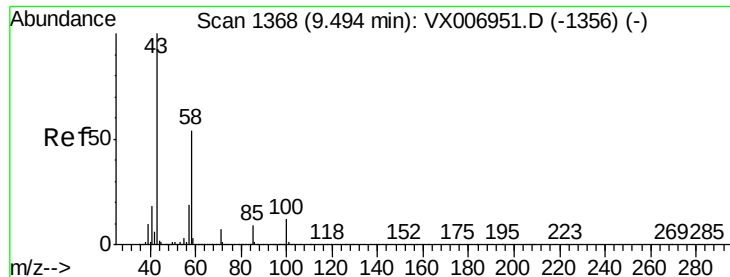
MMDadoda
 1/11/2019 11:41:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.991 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Tgt Ion: 63 Resp: 1255281
 Ion Ratio Lower Upper
 63 100
 106 29.9 24.6 36.8





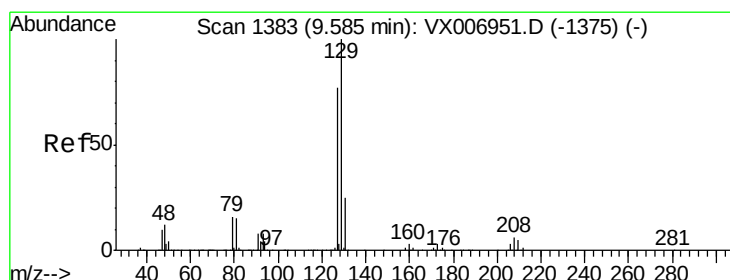
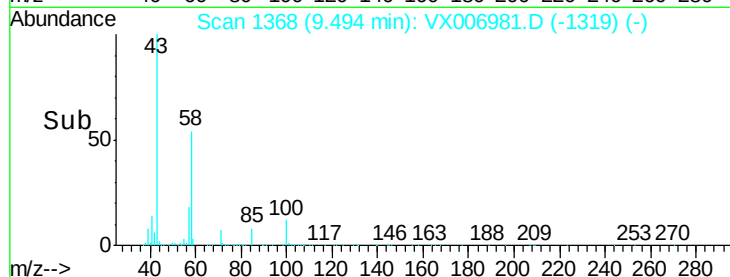
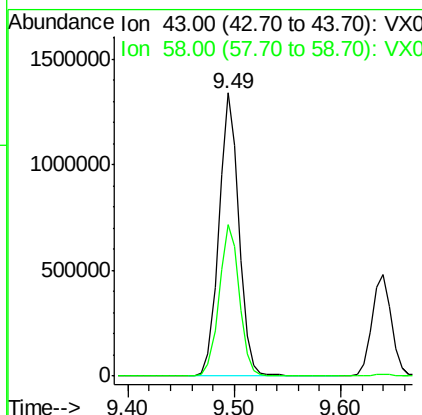
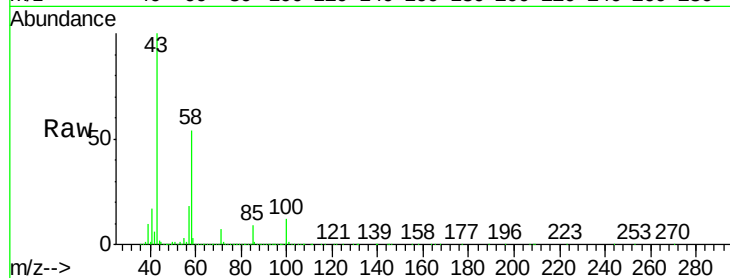
#59
2-Hexanone
Concen: 279.396 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1748177
Ion Ratio Lower Upper
43 100
58 54.2 27.7 83.1

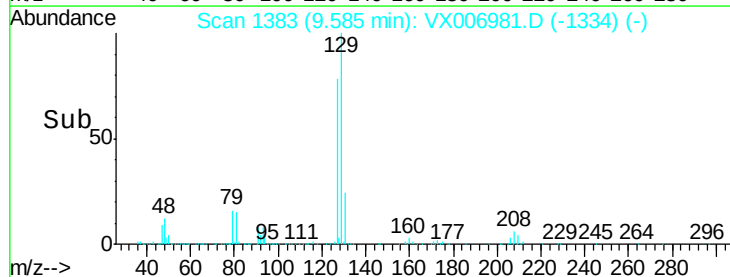
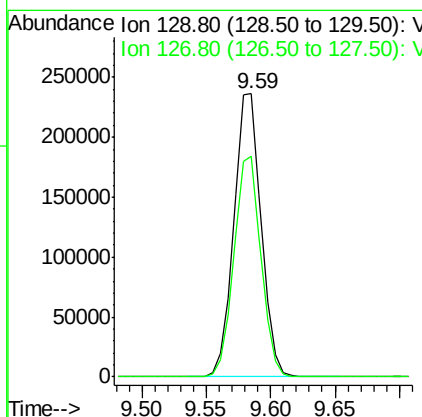
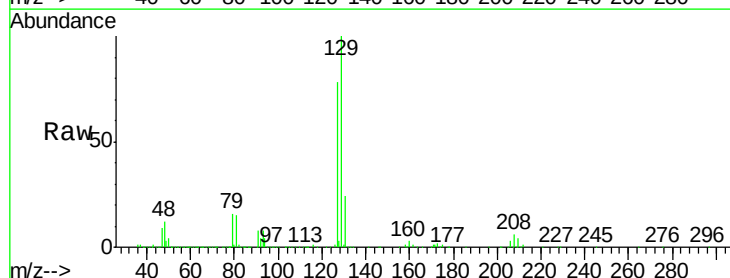
Manual Integrations
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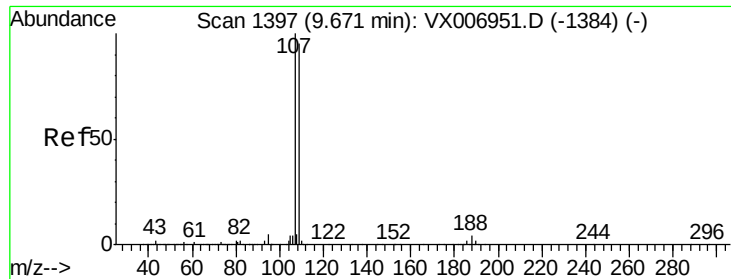
MMDadoda
1/11/2019 11:41:40 AM



#60
Dibromochloromethane
Concen: 60.462 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion: 129 Resp: 348185
Ion Ratio Lower Upper
129 100
127 77.3 39.3 117.8





#61

1,2-Dibromoethane

Concen: 54.810 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 357847

Ion Ratio Lower Upper

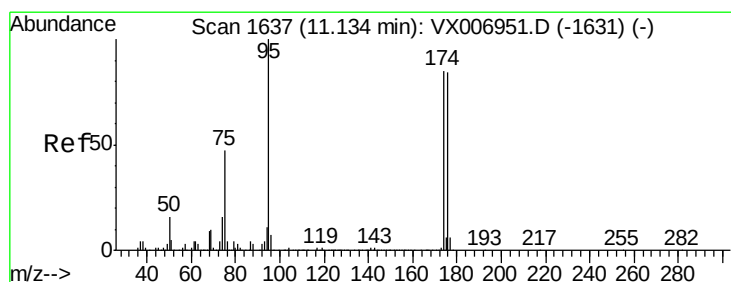
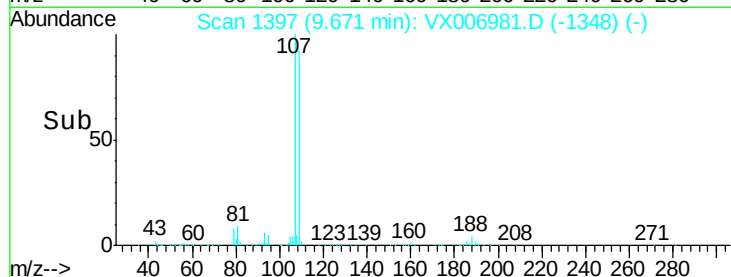
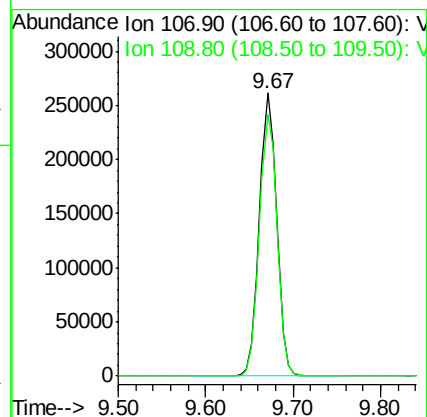
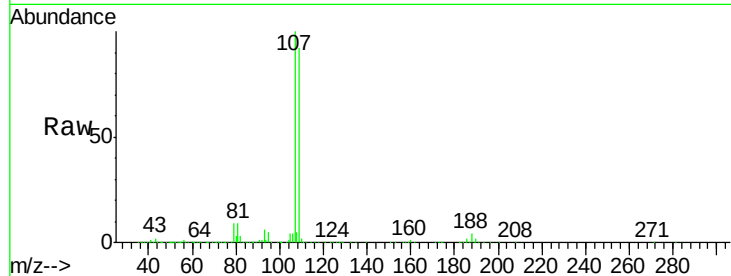
107 100

109 94.6 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 53.674 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

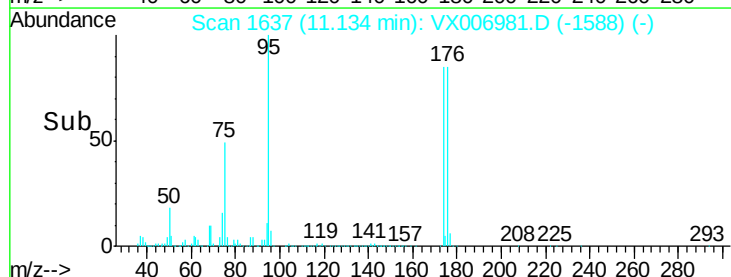
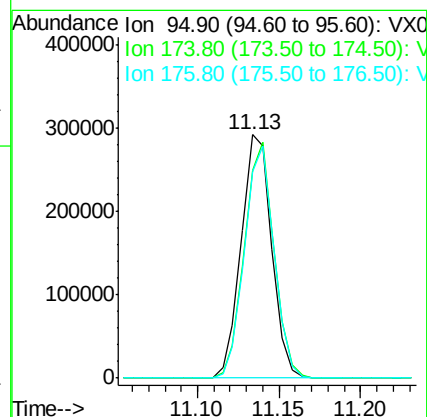
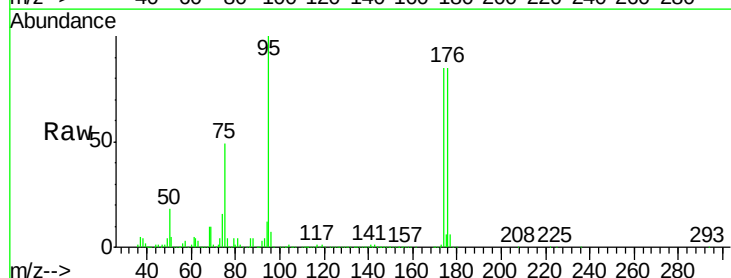
Tgt Ion: 95 Resp: 381146

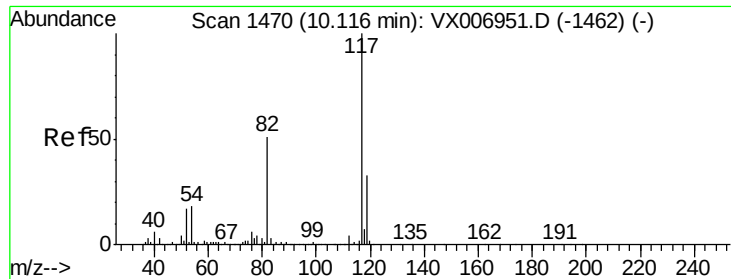
Ion Ratio Lower Upper

95 100

174 93.9 0.0 182.2

176 92.3 0.0 178.8





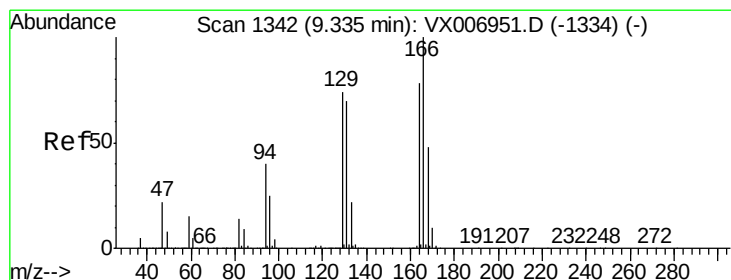
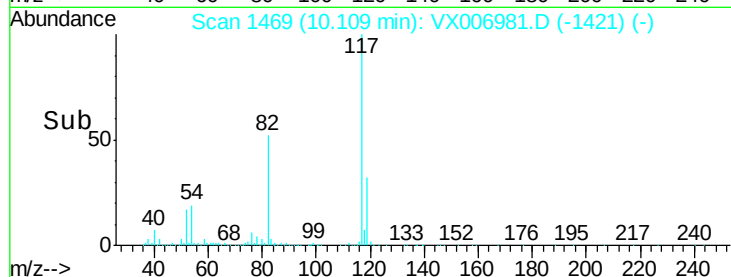
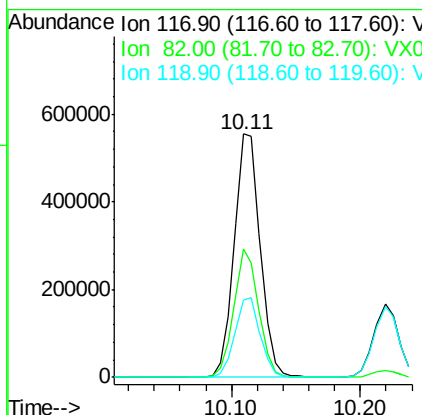
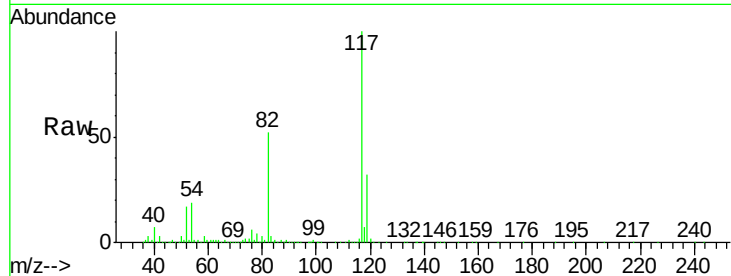
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.0	61.6
119	31.6	25.4	38.0

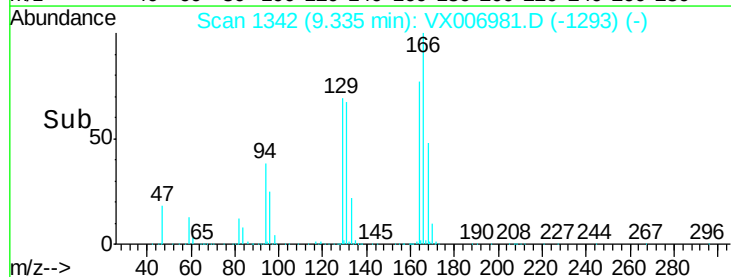
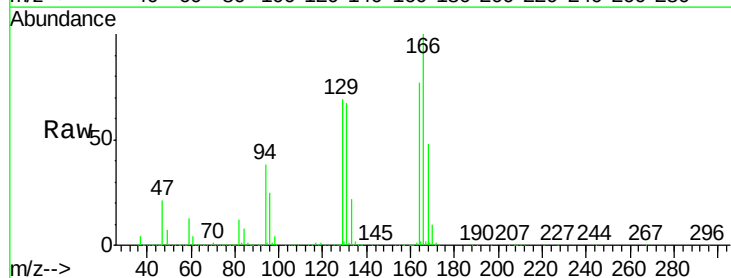
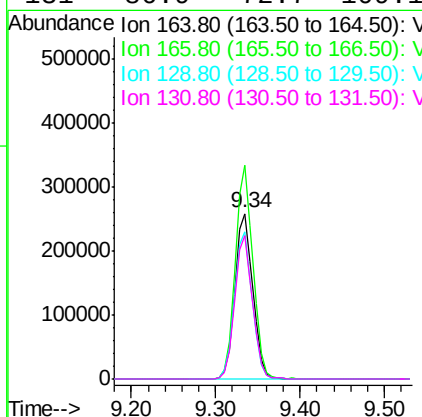
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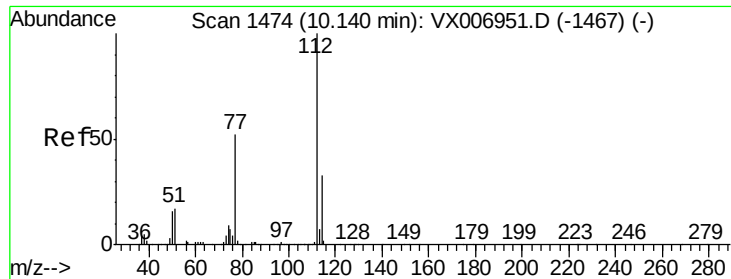
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#64
Tetrachloroethene
Concen: 54.102 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.5	153.7
129	88.9	75.1	112.7
131	86.9	72.7	109.1





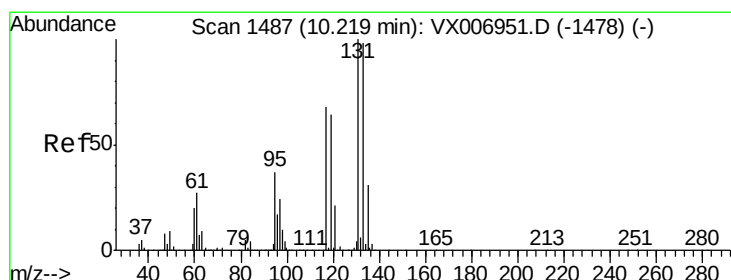
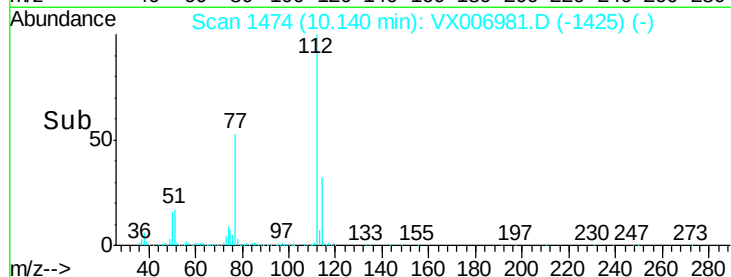
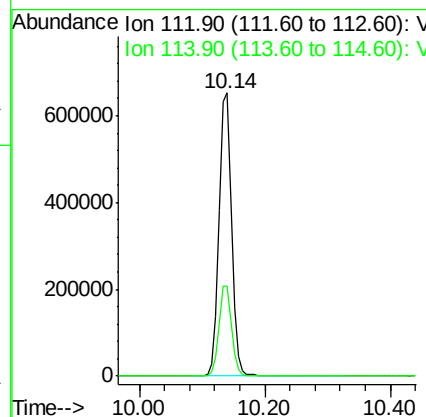
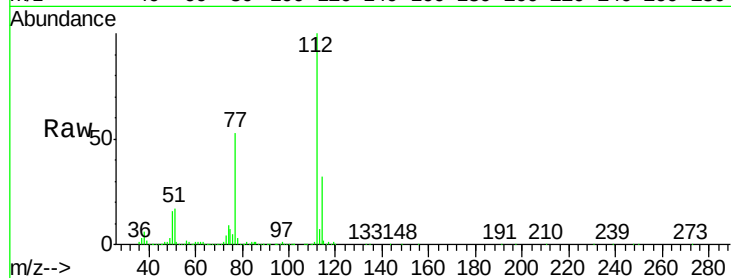
#65
Chlorobenzene
Concen: 53.192 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.7	38.5

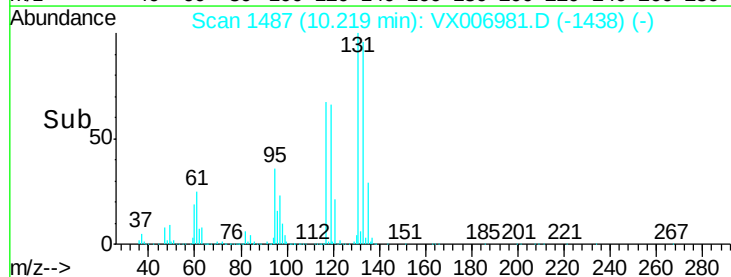
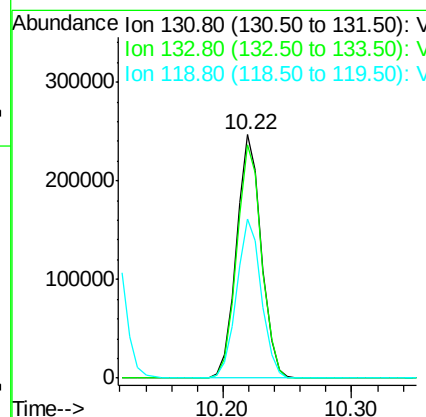
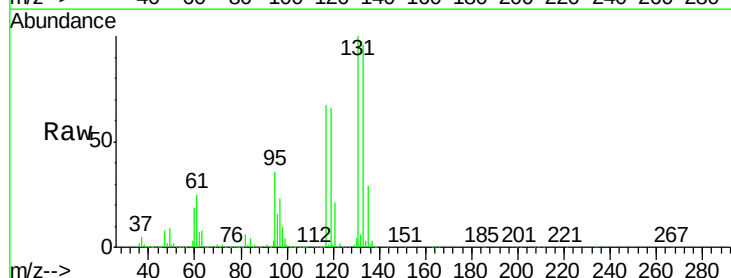
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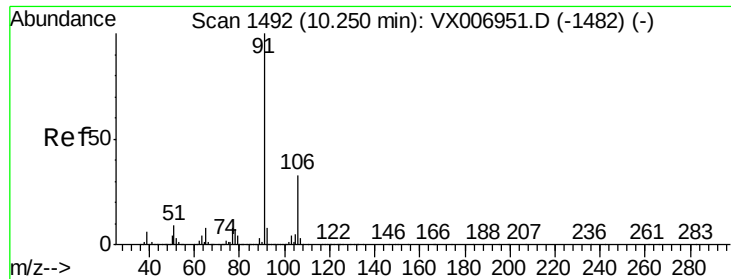
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.499 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.0	144.2
119	65.6	32.6	97.8





#67

Ethyl Benzene

Concen: 53.920 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1520837

Ion Ratio Lower Upper

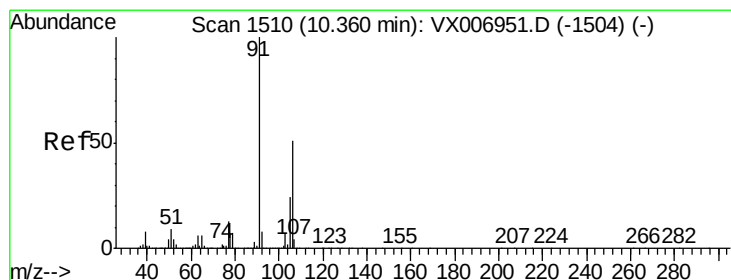
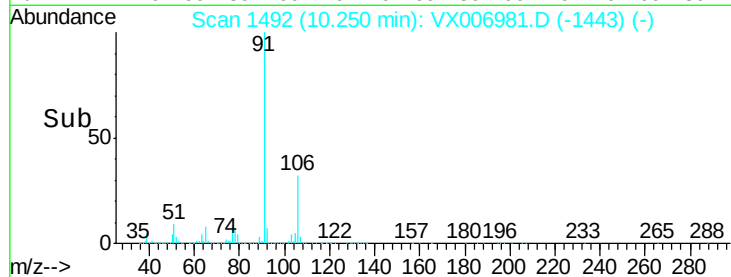
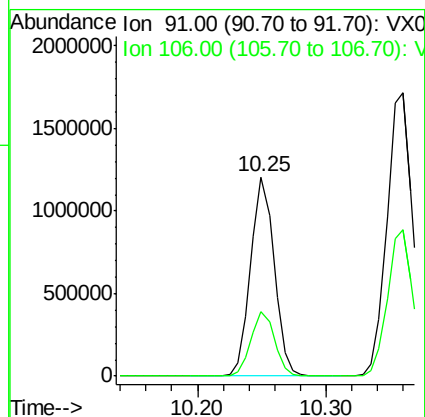
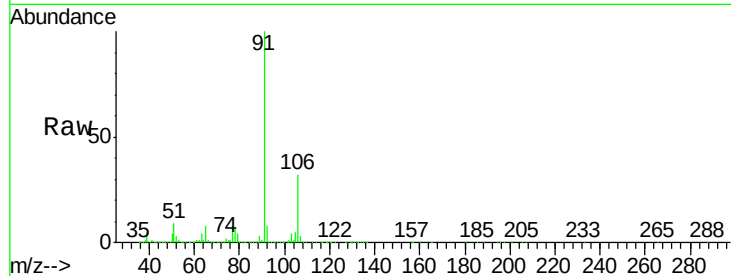
91 100

106 32.3 26.4 39.6

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#68

m/p-Xylenes

Concen: 108.792 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006981.D

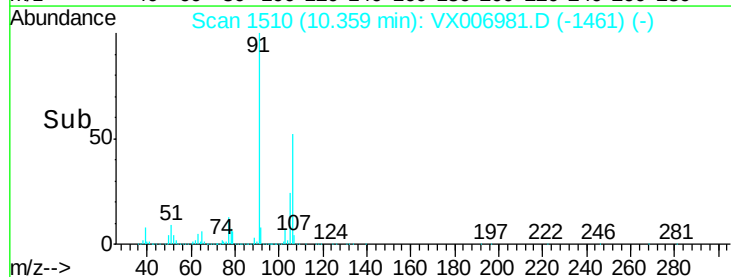
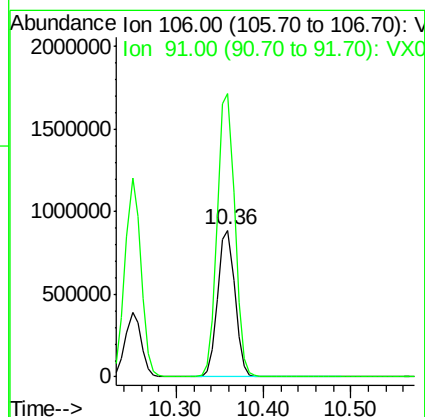
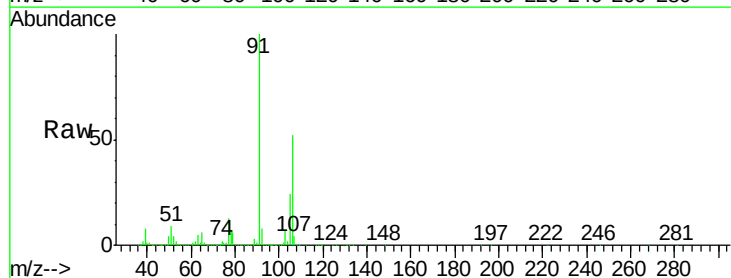
Acq: 10 Jan 2019 11:00

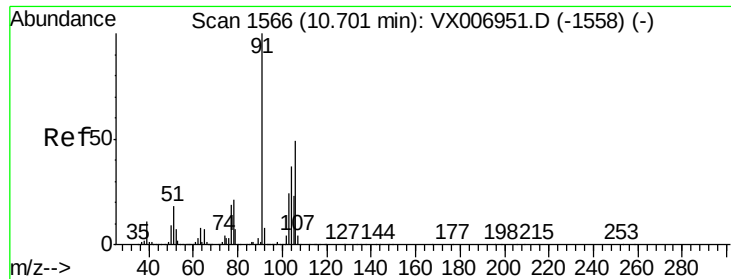
Tgt Ion: 106 Resp: 1208952

Ion Ratio Lower Upper

106 100

91 196.0 155.8 233.6





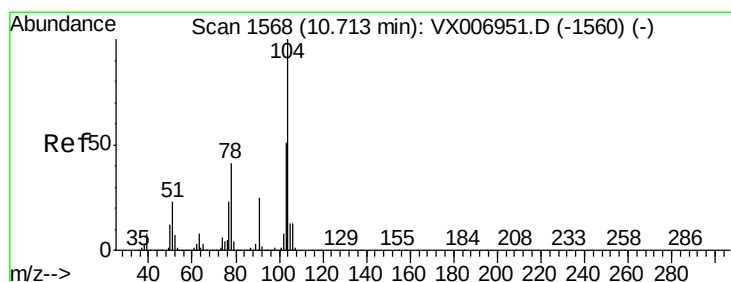
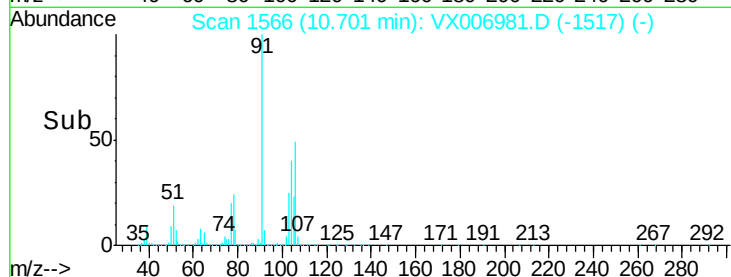
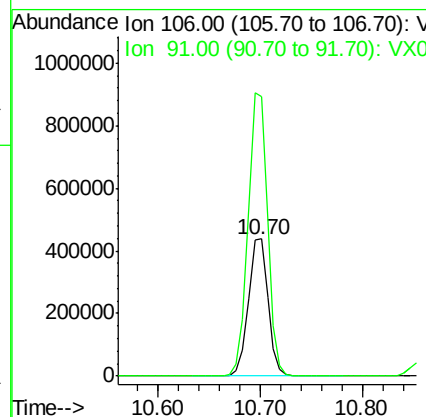
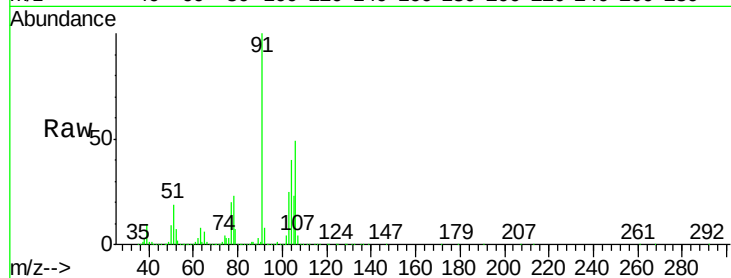
#69
o-Xylene
Concen: 53.697 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.0	101.3	303.7

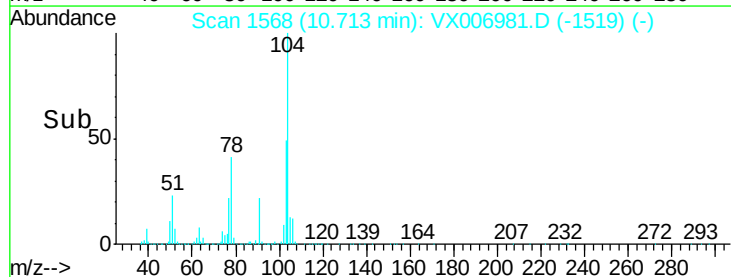
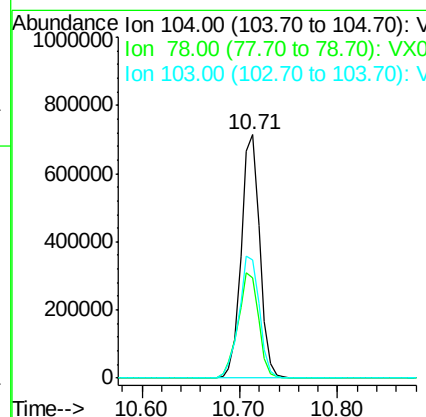
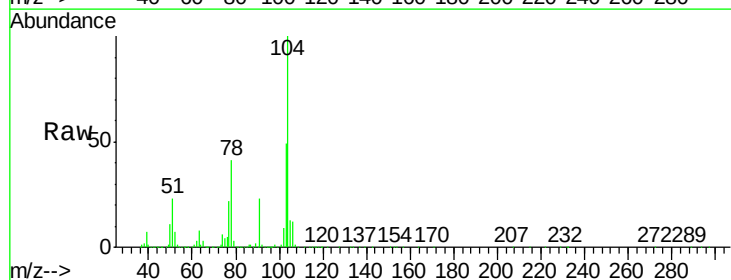
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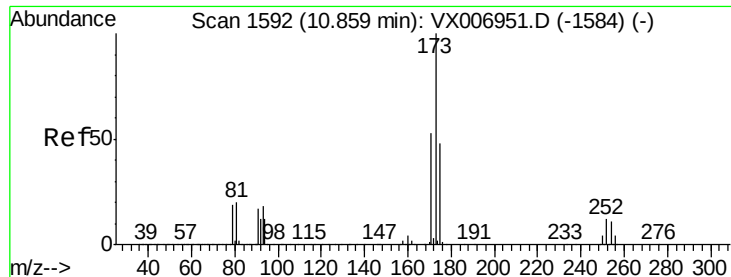
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#70
Styrene
Concen: 54.717 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	37.7	56.5
103	55.5	43.8	65.8





#71

Bromoform

Concen: 50.158 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 257999

Ion Ratio Lower Upper

173 100

175 49.6 24.7 74.1

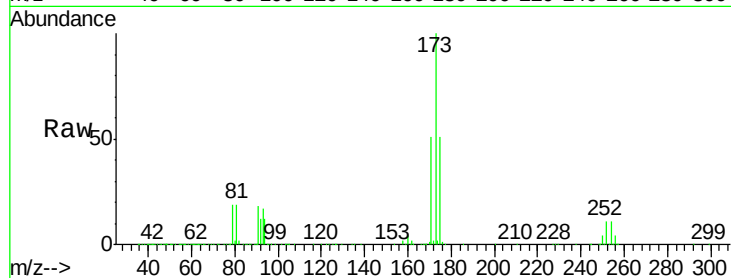
254 0.2 0.2 0.2

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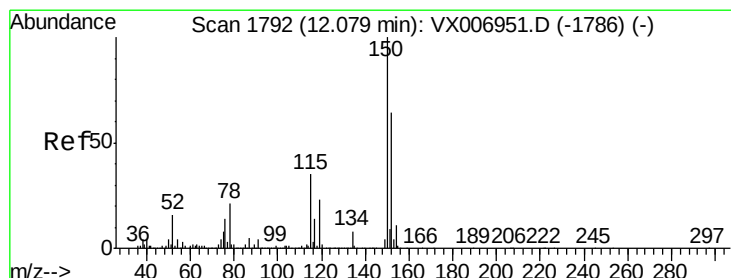
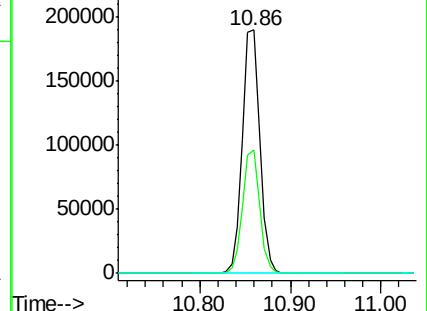
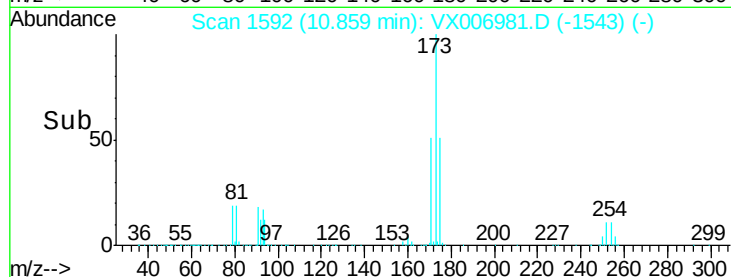
1/11/2019 11:41:40 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

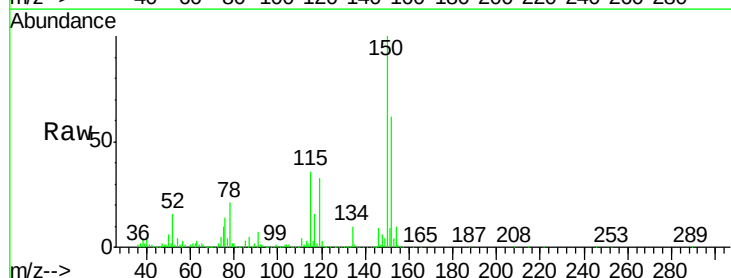
Tgt Ion:152 Resp: 407114

Ion Ratio Lower Upper

152 100

115 80.2 39.1 117.2

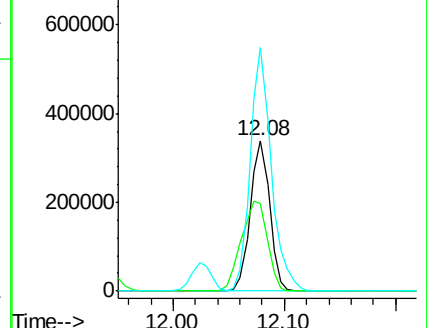
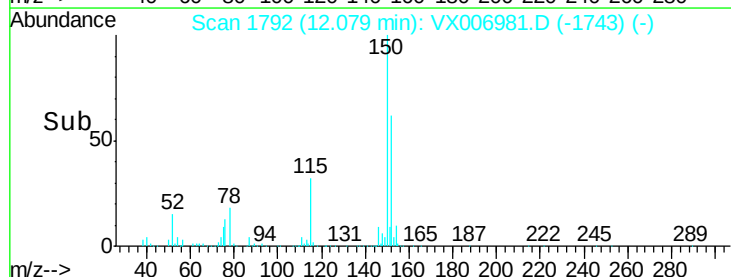
150 176.7 0.0 344.8

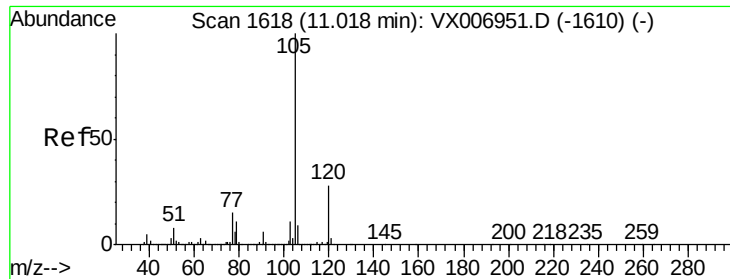


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.775 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1572428

Ion Ratio Lower Upper

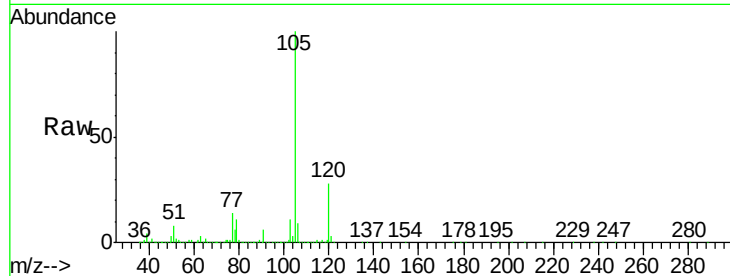
105 100

120 27.7 14.1 42.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

11.02

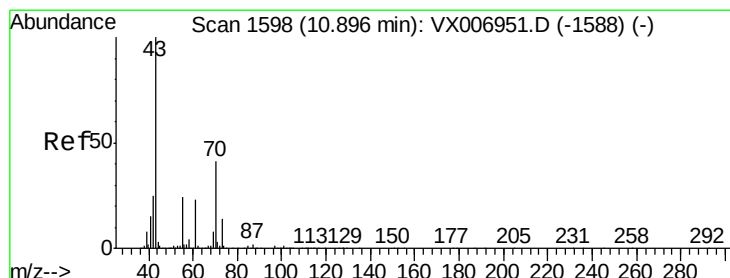
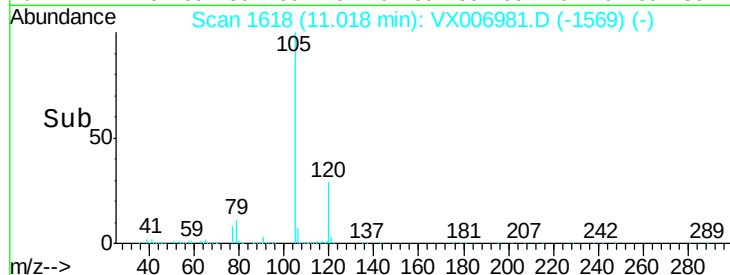
1000000

500000

0

Time-->

10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 53.505 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Tgt Ion: 43 Resp: 618416

Ion Ratio Lower Upper

43 100

70 43.3 35.8 53.8

55 24.0 19.4 29.0

61 24.4 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

800000

600000

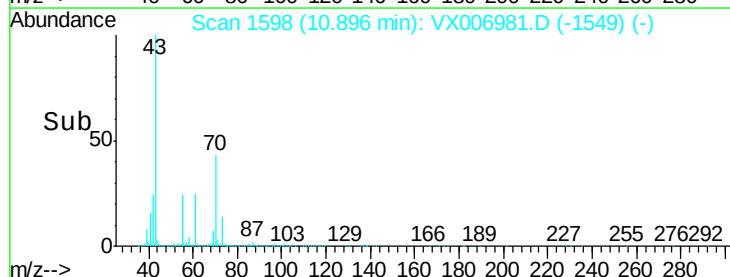
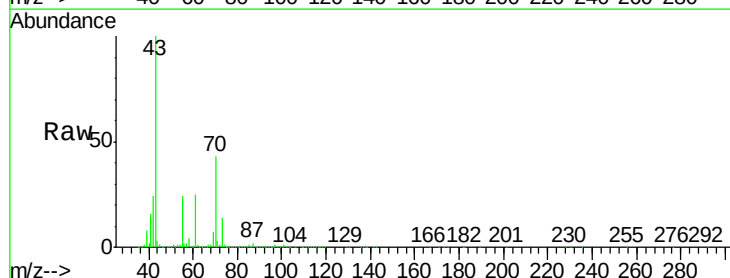
400000

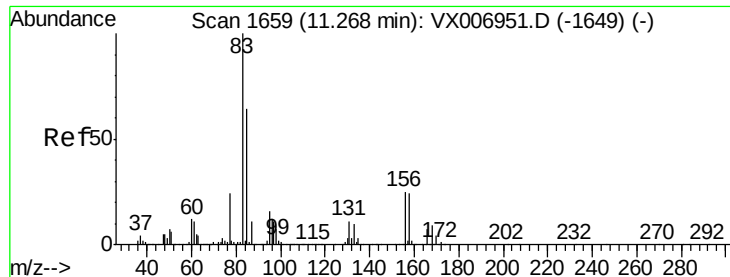
200000

0

Time-->

10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 51.696 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 471133

Ion Ratio Lower Upper

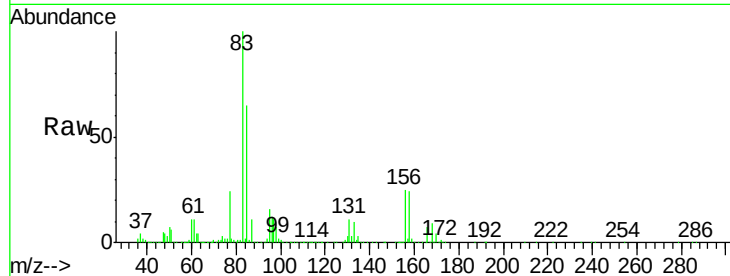
83 100

131 11.2 5.7 17.1

85 64.5 32.2 96.6

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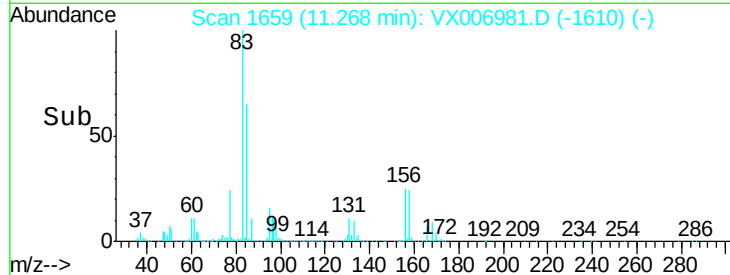


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

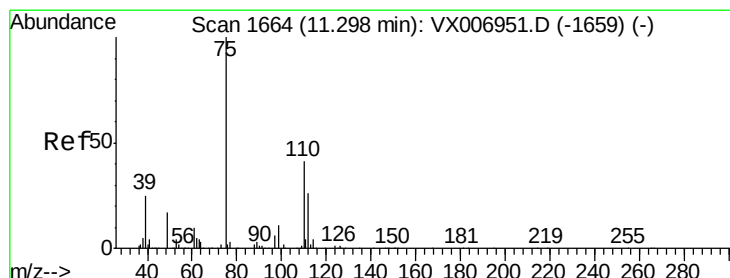
Ion 84.90 (84.60 to 85.60): VX0

Time-->



Abundance

Time-->



#76

1,2,3-Trichloropropane

Concen: 54.043 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006981.D

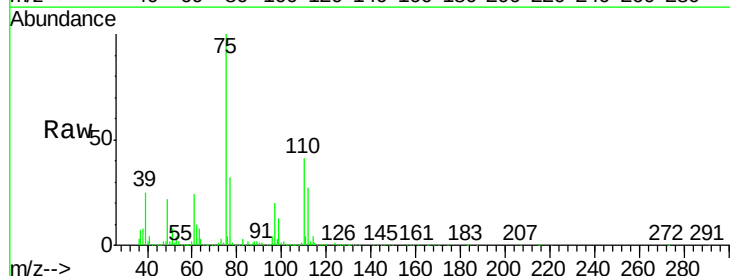
Acq: 10 Jan 2019 11:00

Tgt Ion: 75 Resp: 445857

Ion Ratio Lower Upper

75 100

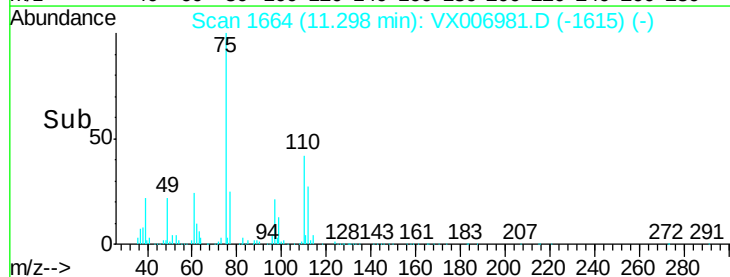
77 38.0 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

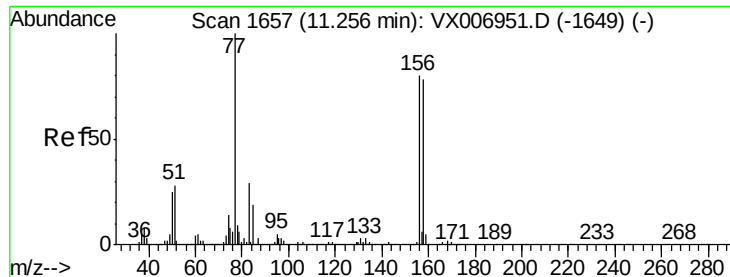
Ion 77.00 (76.70 to 77.70): VX0

Time-->



Abundance

Time-->



#77

Bromobenzene

Concen: 52.036 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

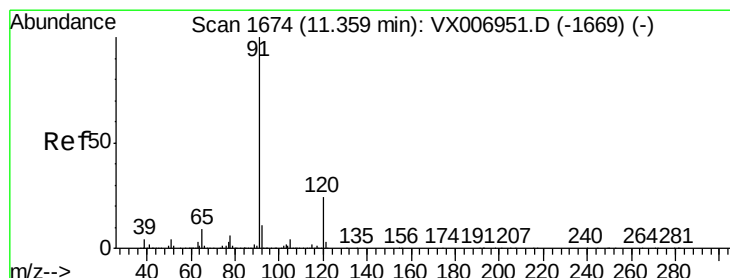
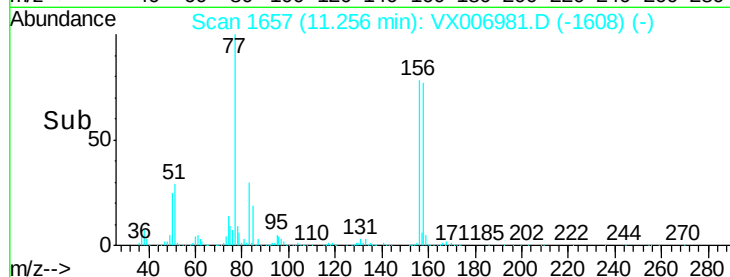
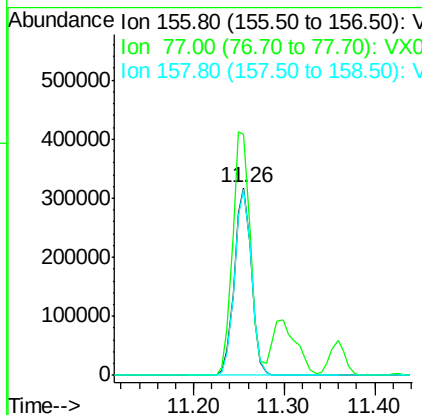
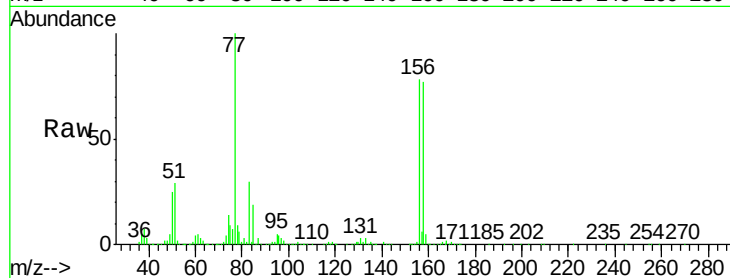
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.6	68.0	204.0
158	98.5	48.3	144.8

Manual Integrations
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1/11/2019 11:41:40 AM



#78

n-propylbenzene

Concen: 56.120 ug/l

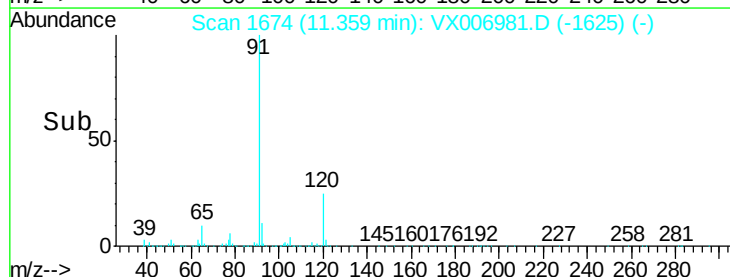
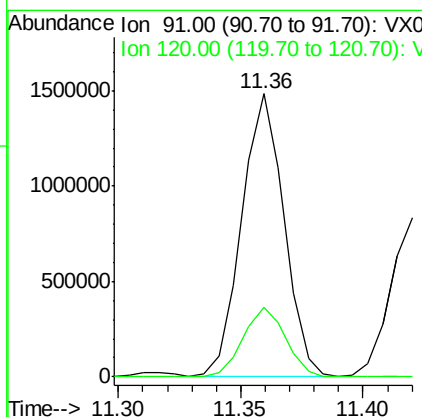
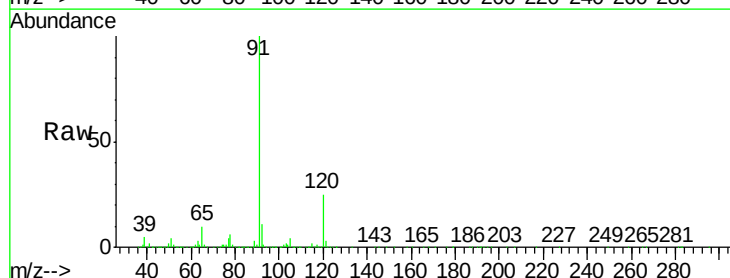
RT: 11.36 min Scan# 1674

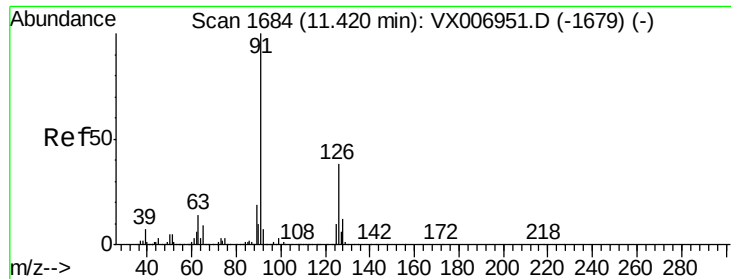
Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.7	38.0





#79

2-Chlorotoluene

Concen: 53.523 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1015355

Ion Ratio Lower Upper

91 100

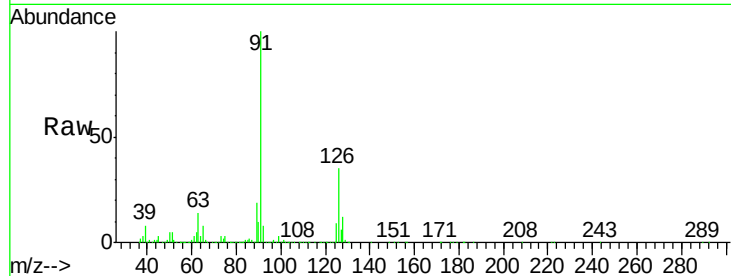
126 36.7 18.6 56.0

Manual Integrations

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1/11/2019 11:41:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VX006951.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006951.D (-1679) (-)

1500000

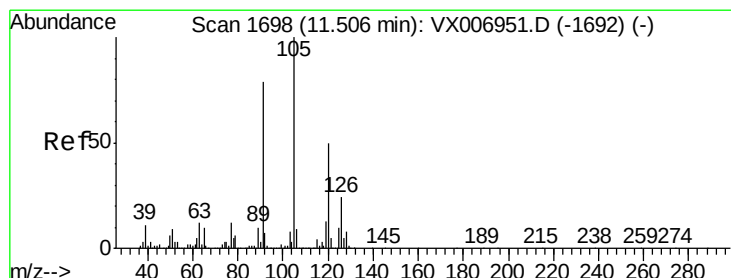
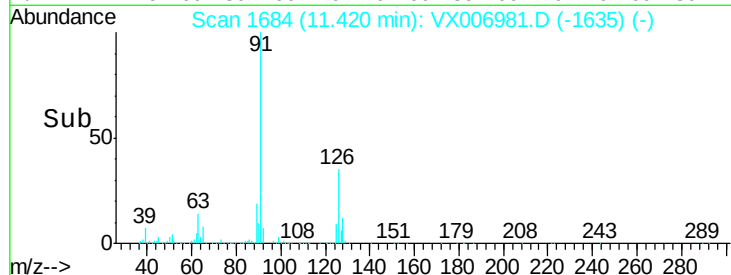
1000000

500000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.208 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006981.D

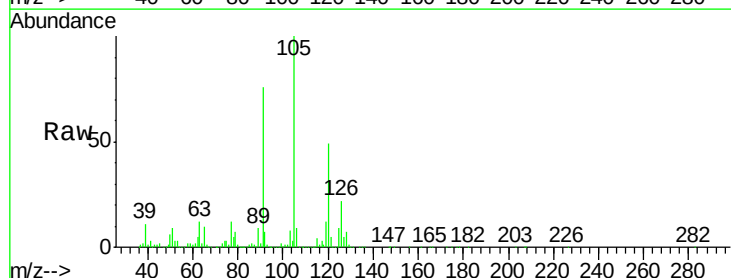
Acq: 10 Jan 2019 11:00

Tgt Ion: 105 Resp: 1300285

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006951.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006951.D (-1692) (-)

1200000

1000000

800000

600000

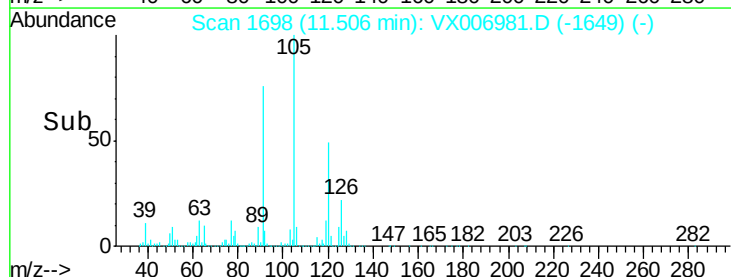
400000

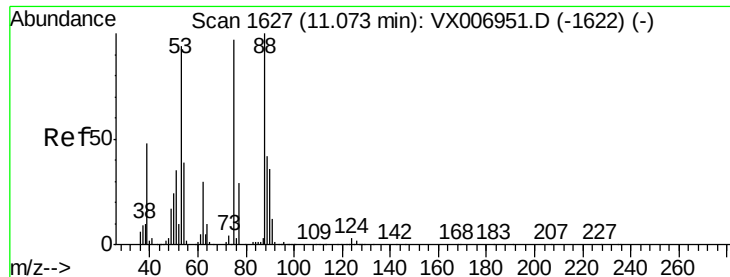
200000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.627 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

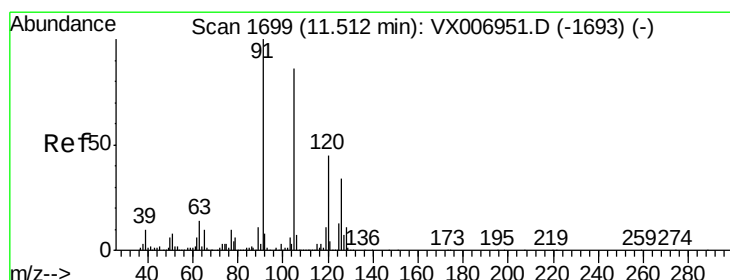
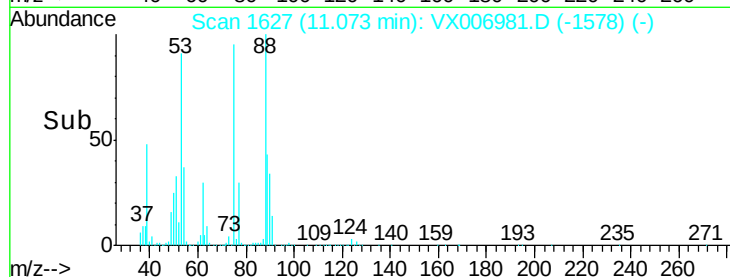
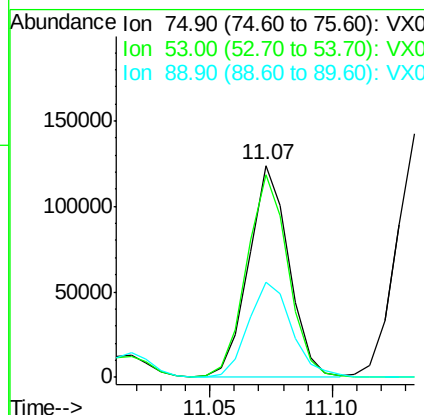
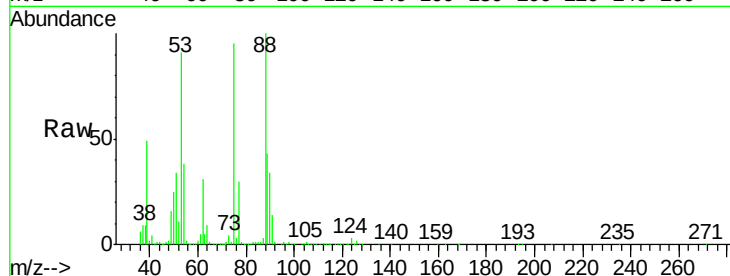
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	141497
Ion Ratio	Lower	Upper	
75	100		
53	98.3	79.7	119.5
89	49.0	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.213 ug/l

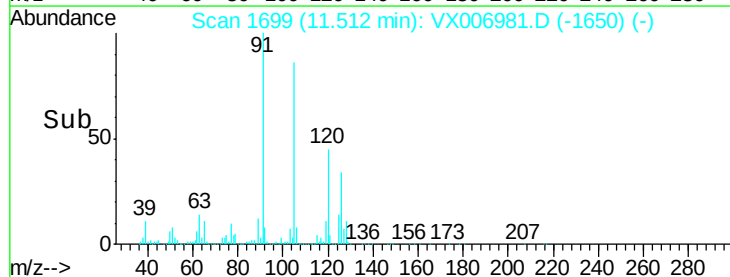
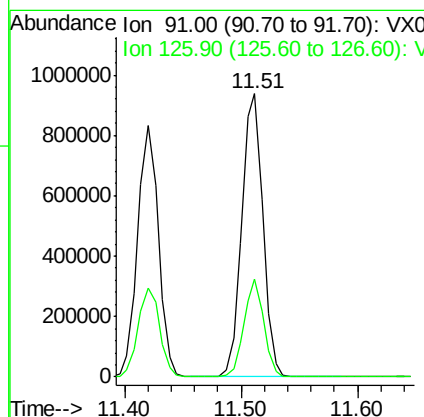
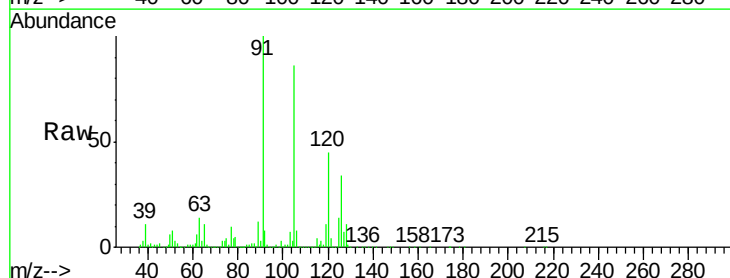
RT: 11.51 min Scan# 1699

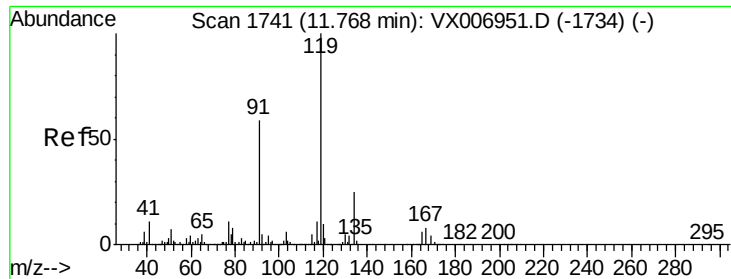
Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Tgt Ion:	91	Resp:	1190777
Ion Ratio	Lower	Upper	
91	100		
126	32.4	16.3	48.9





#83

tert-Butylbenzene

Concen: 54.769 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:119 Resp: 1310754

Ion Ratio Lower Upper

119 100

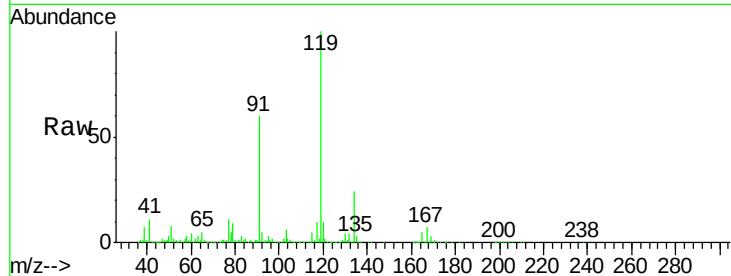
91 54.7 27.7 83.1

134 23.7 11.9 35.5

Manual Integrations
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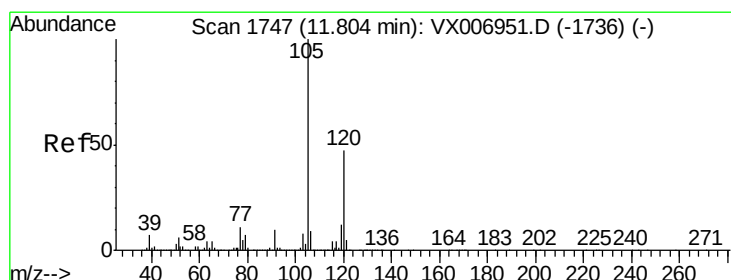
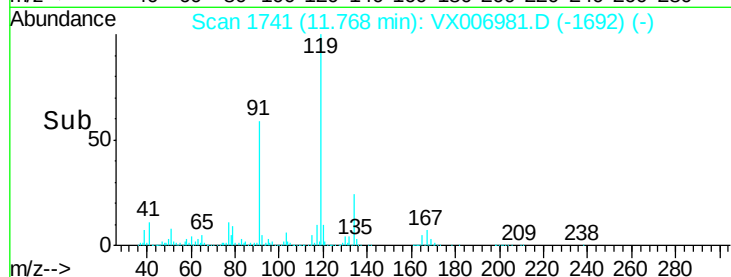
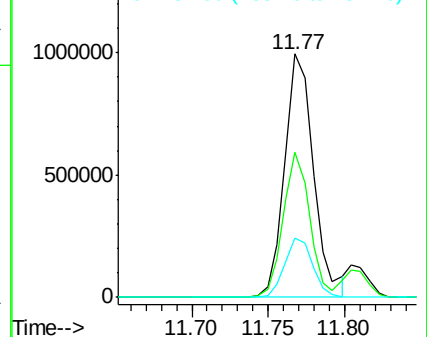
1/11/2019 11:41:40 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.965 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006981.D

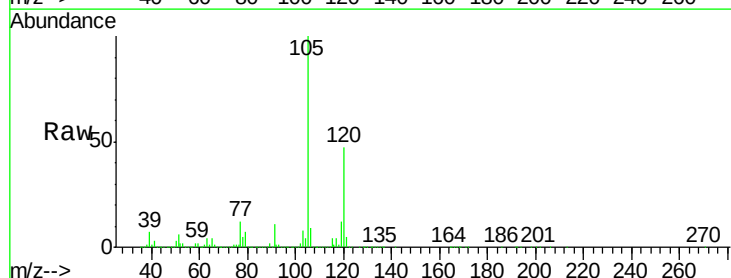
Acq: 10 Jan 2019 11:00

Tgt Ion:105 Resp: 1325811

Ion Ratio Lower Upper

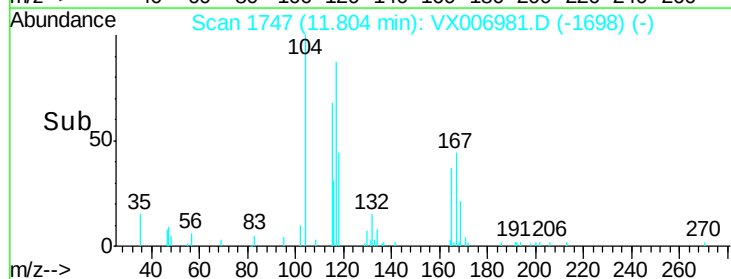
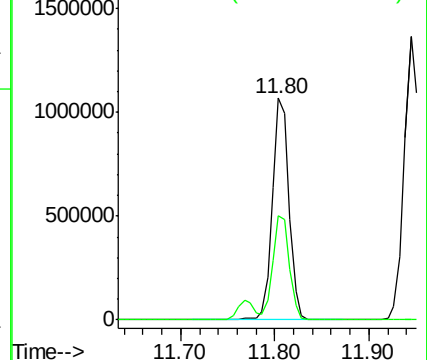
105 100

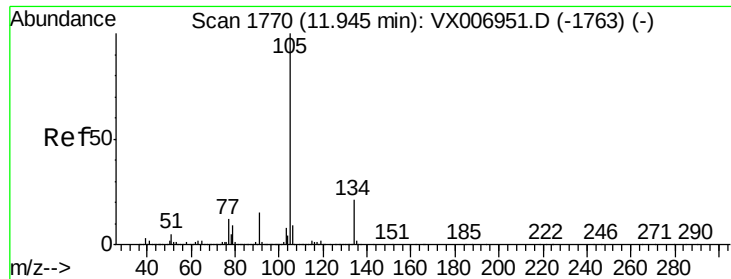
120 46.4 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.376 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1582755

Ion Ratio Lower Upper

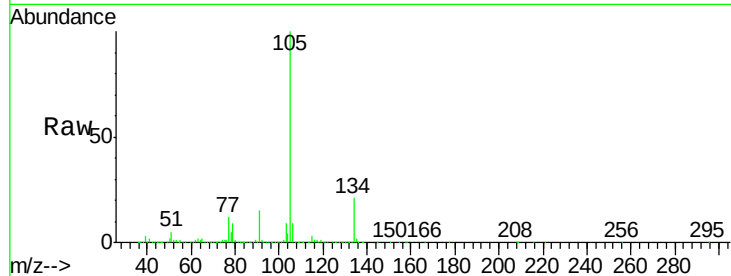
105 100

134 21.4 10.7 31.9

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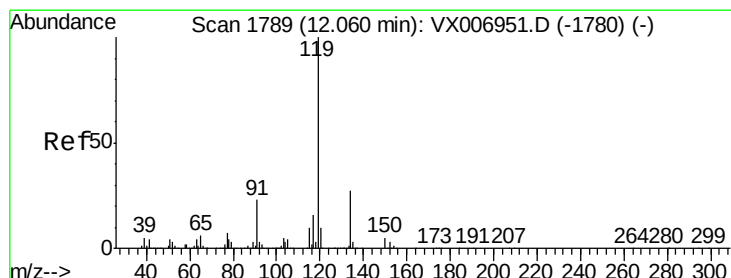
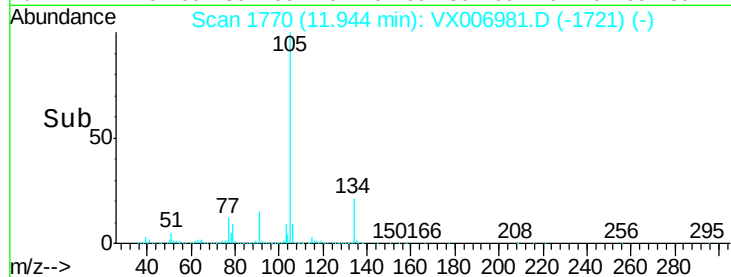
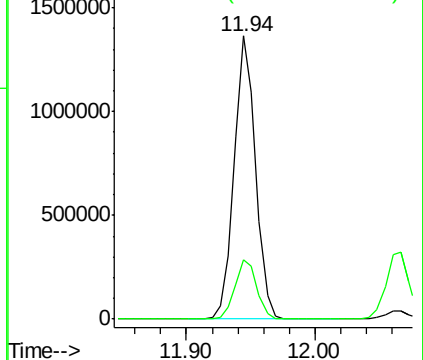
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.943 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

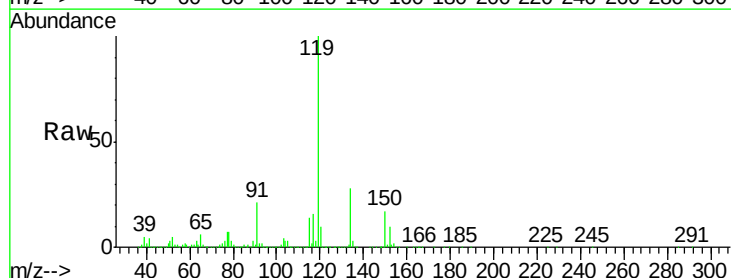
Tgt Ion:119 Resp: 1430226

Ion Ratio Lower Upper

119 100

134 27.6 14.0 41.9

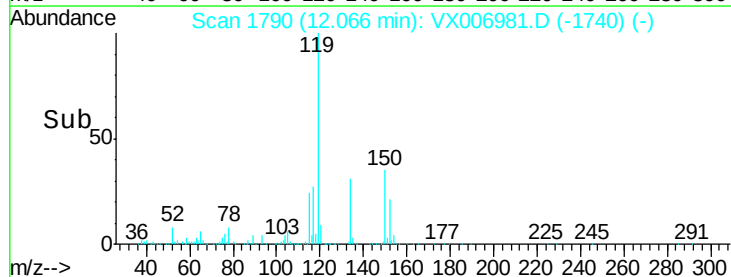
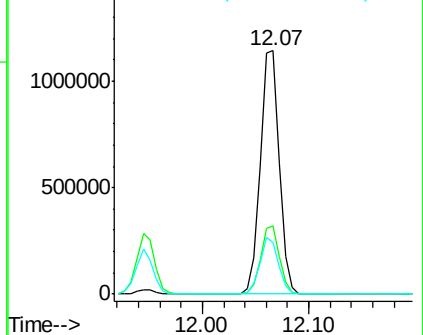
91 22.5 11.3 33.9

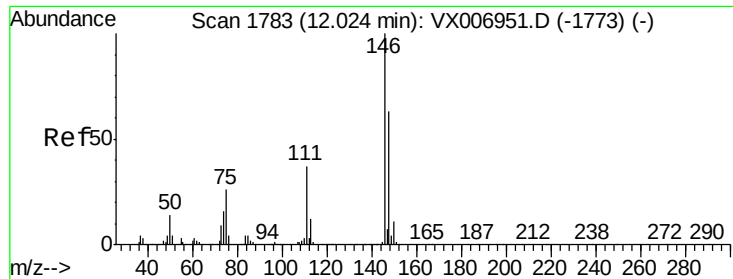


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





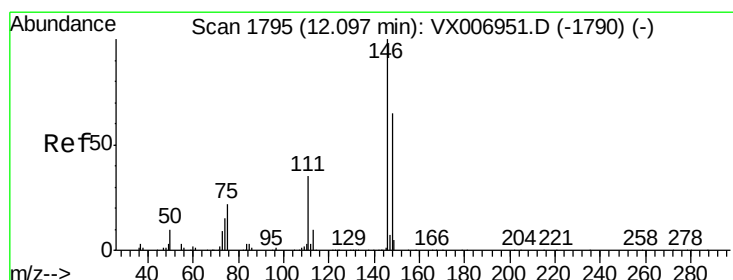
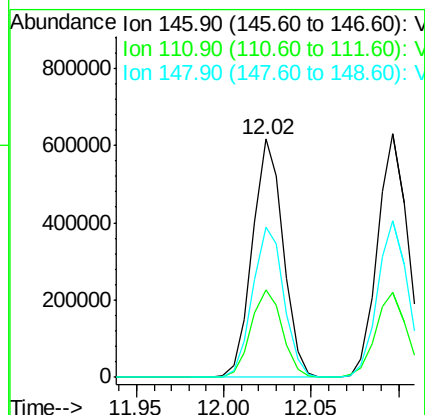
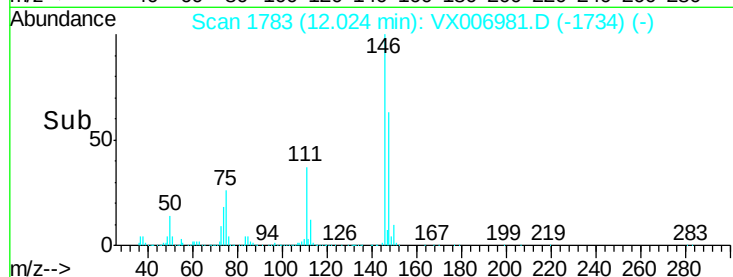
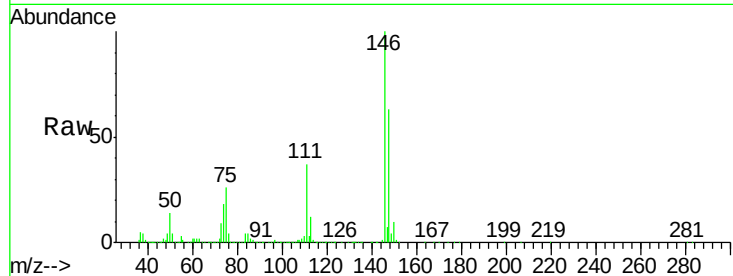
#87
 1,3-Dichlorobenzene
 Concen: 52.733 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.2	31.8	95.3

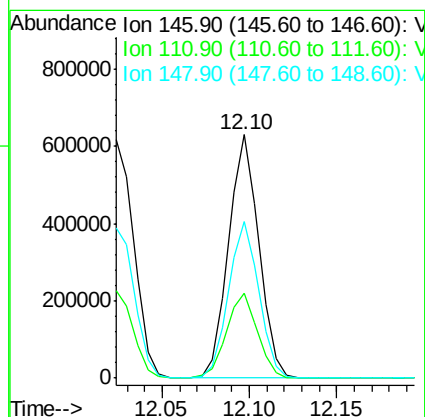
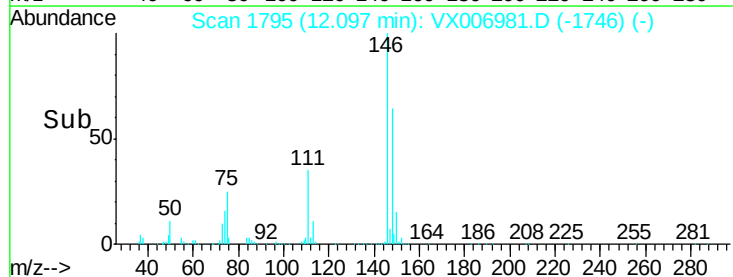
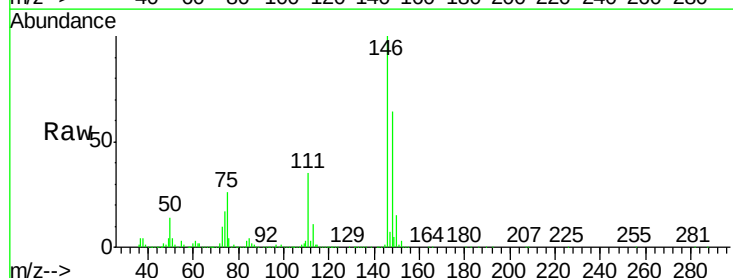
Manual Integrations
 APPROVED

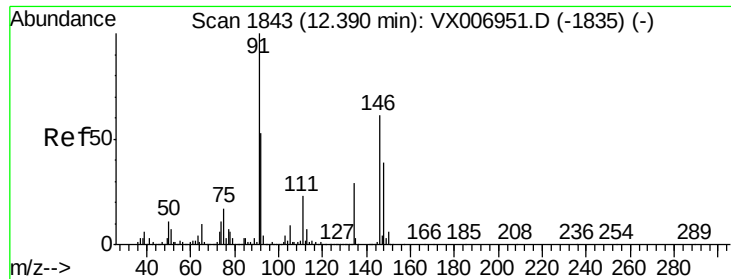
MMDadoda
 1/11/2019 11:41:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 55.952 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.1
148	64.4	31.9	95.9





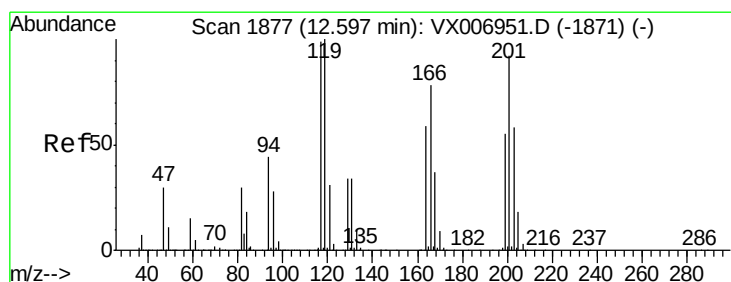
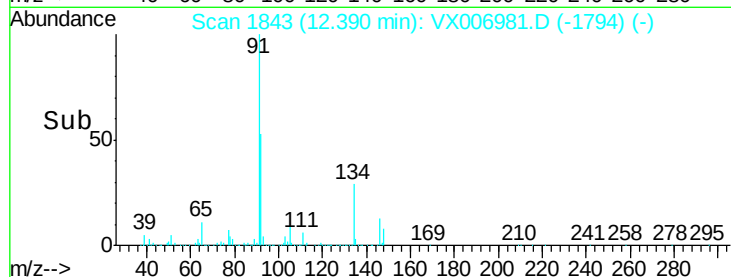
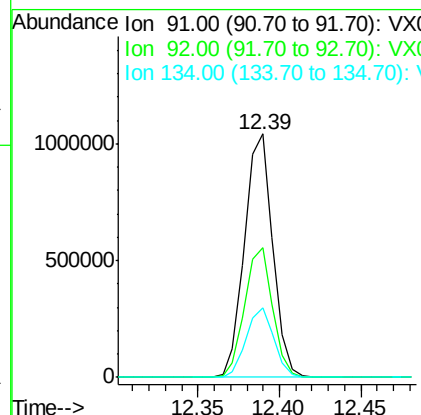
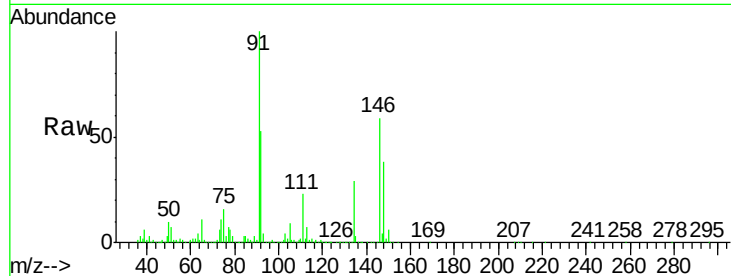
#89
n-Butylbenzene
Concen: 57.666 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.4
134	28.2	14.4	43.2

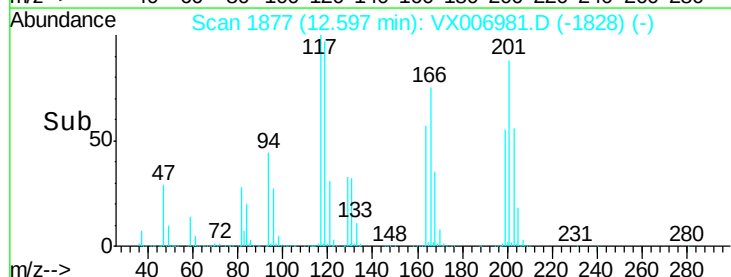
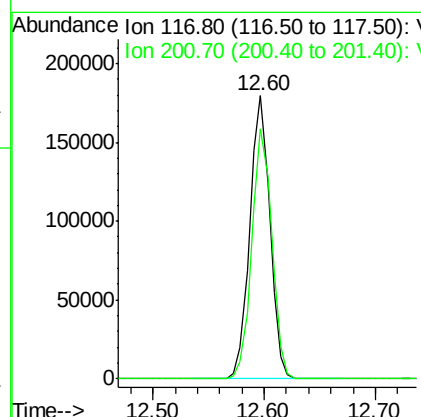
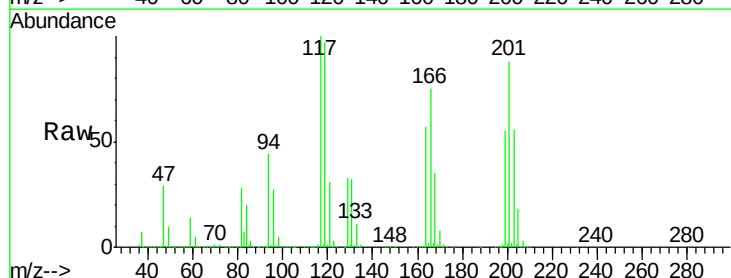
Manual Integrations
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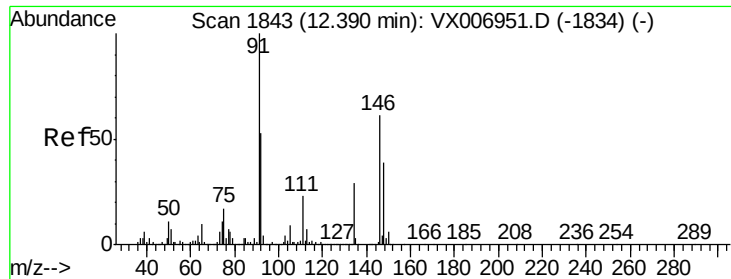
MMDadoda
1/11/2019 11:41:40 AM



#90
Hexachloroethane
Concen: 54.705 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006981.D
Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.4	42.9	128.7





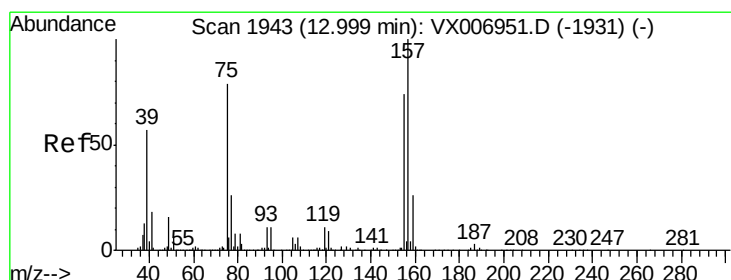
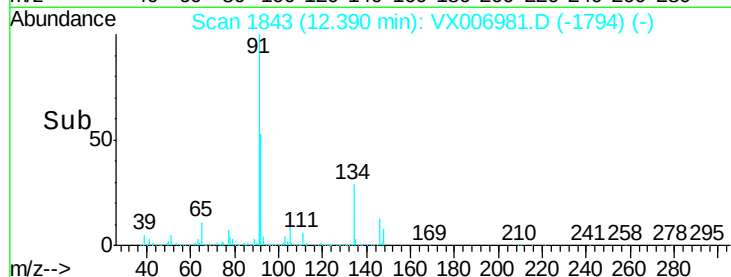
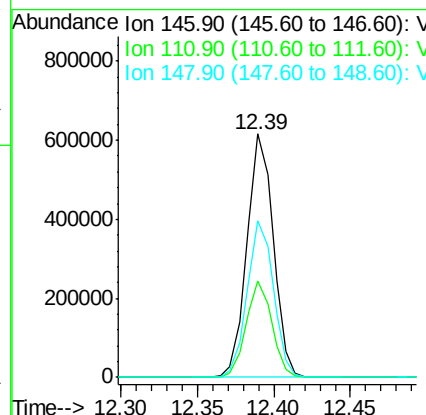
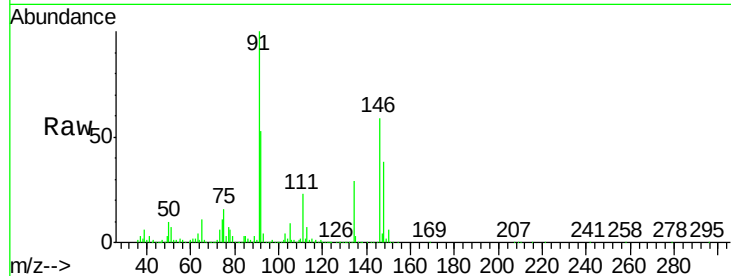
#91
 1,2-Dichlorobenzene
 Concen: 52.407 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	64.2	32.3	96.9

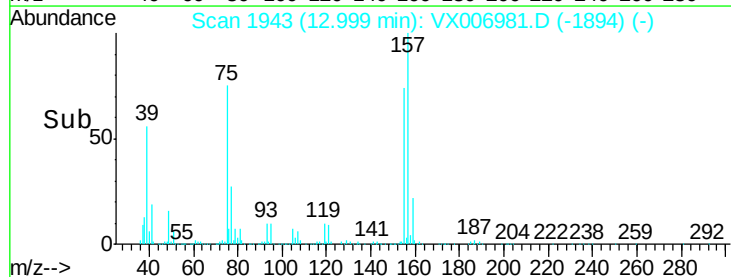
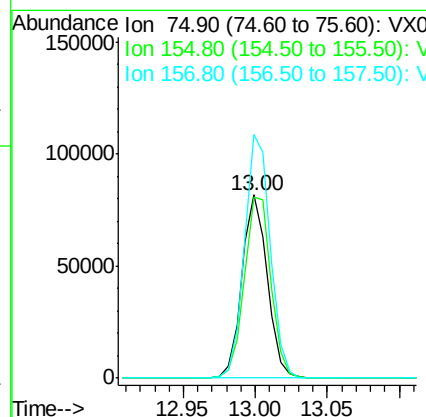
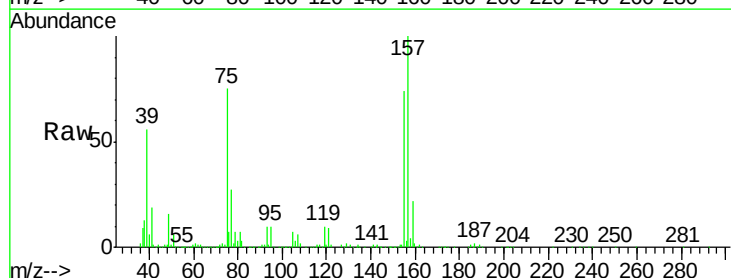
Manual Integrations
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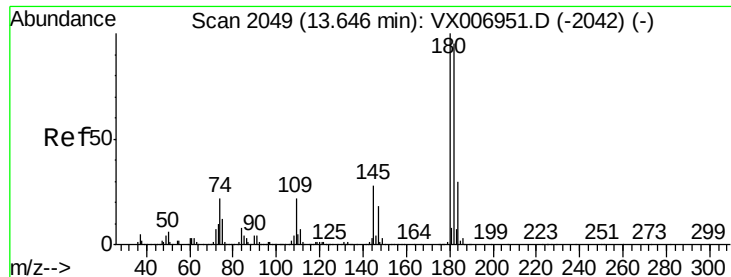
MMDadoda
 1/11/2019 11:41:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.200 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.6	50.6	151.8
157	135.1	64.6	193.8





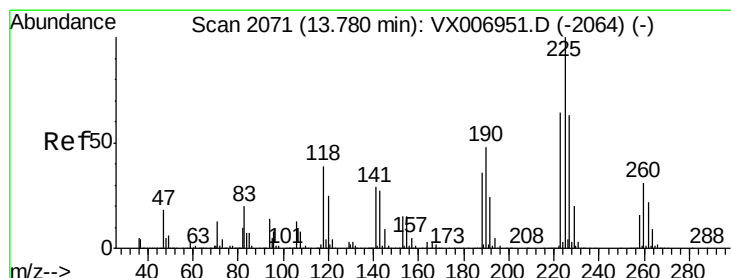
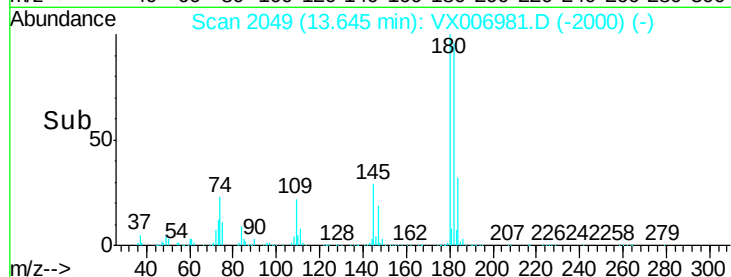
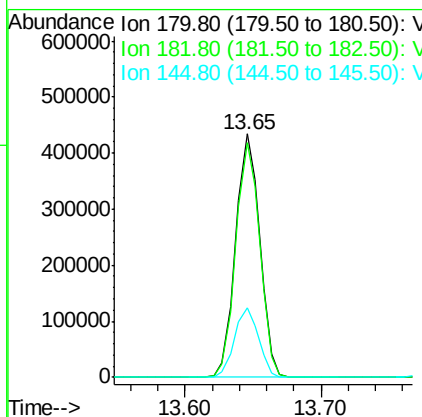
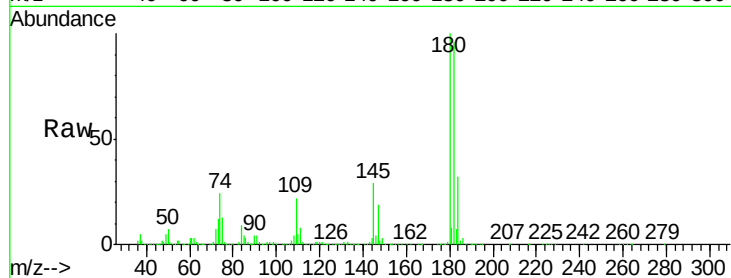
#93
 1,2,4-Trichlorobenzene
 Concen: 55.362 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	535899		
182	96.3		47.3	142.0
145	28.4		14.8	44.3

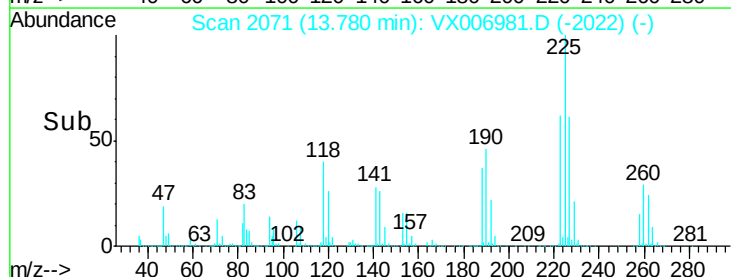
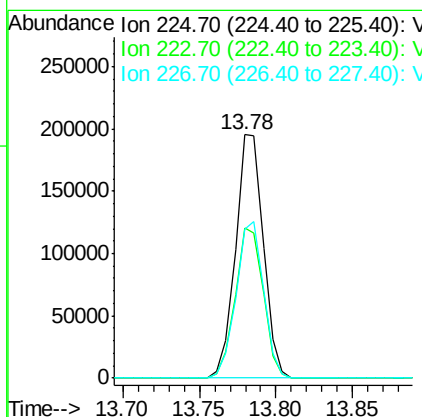
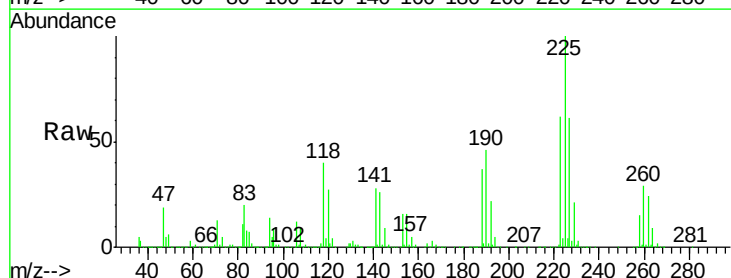
Manual Integrations
 APPROVED

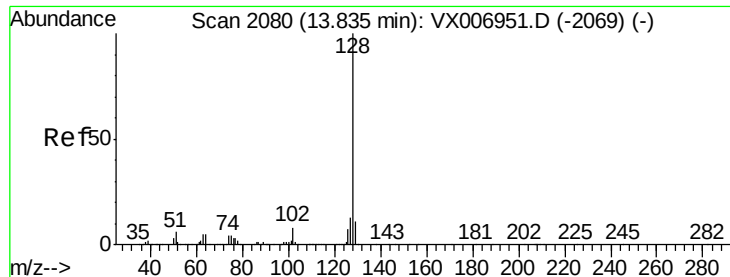
MMDadoda
 1/11/2019 11:41:40 AM



#94
 Hexachlorobutadiene
 Concen: 57.176 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006981.D
 Acq: 10 Jan 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	245603		
223	62.4		32.1	96.3
227	63.2		32.3	96.8





#95

Naphthalene

Concen: 54.521 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1599209

Ion Ratio Lower Upper

128 100

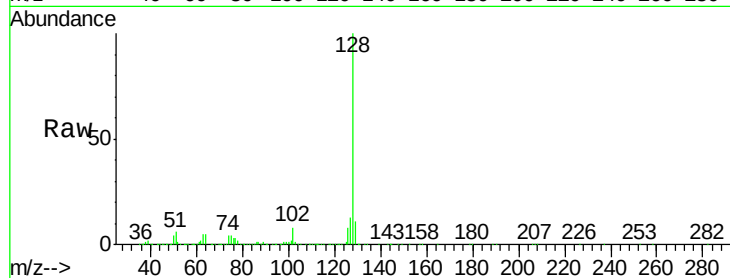
127 13.1 10.1 15.1

129 11.0 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

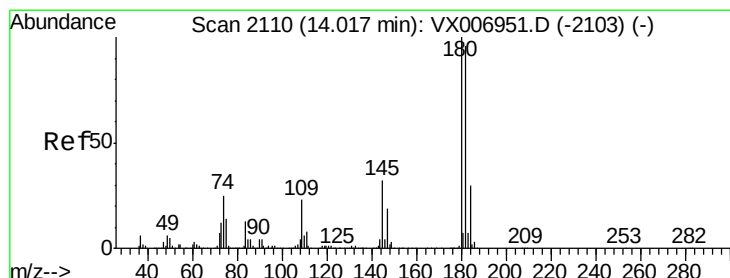
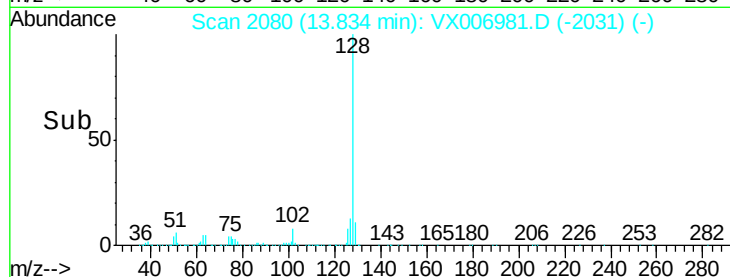
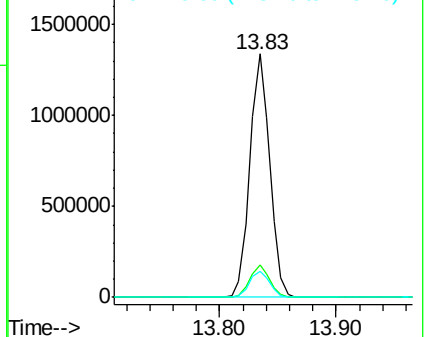
1/11/2019 11:41:40 AM



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: 54.233 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX006981.D

Acq: 10 Jan 2019 11:00

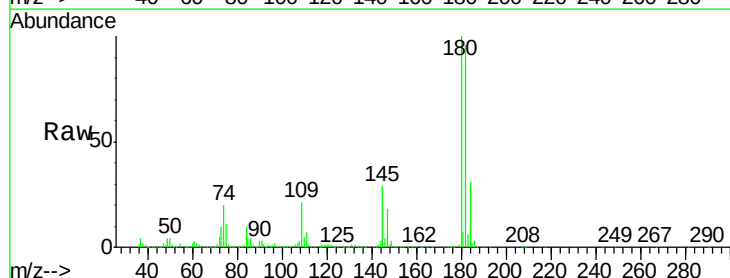
Tgt Ion:180 Resp: 521499

Ion Ratio Lower Upper

180 100

182 96.1 48.5 145.5

145 30.8 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

