

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020519\
 Data File : VX007365.D
 Acq On : 05 Feb 2019 09:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 9:29:33 AM

Quant Time: Feb 06 00:29:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	500148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	716018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	668334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	357823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	255597	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	5.50	113	231102	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	8.71	98	881401	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.13	95	321715	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	344849	56.088	ug/l	96
3) Chloromethane	1.33	50	295548	52.463	ug/l	100
4) Vinyl Chloride	1.41	62	307693	55.675	ug/l	100
5) Bromomethane	1.64	94	301153	55.161	ug/l	99
6) Chloroethane	1.72	64	188549	52.739	ug/l	97
7) Trichlorofluoromethane	1.93	101	470592	54.432	ug/l	98
8) Diethyl Ether	2.19	74	169699	52.150	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	275020	53.479	ug/l	98
10) Methyl Iodide	2.51	142	415014	54.859	ug/l	100
11) Tert butyl alcohol	3.07	59	292670	266.395	ug/l	99
12) 1,1-Dichloroethene	2.37	96	246059	51.526	ug/l	97
13) Acrolein	2.29	56	143876	279.274	ug/l	100
14) Allyl chloride	2.73	41	419543	53.919	ug/l	99
15) Acrylonitrile	3.15	53	725826	267.065	ug/l	99
16) Acetone	2.45	43	725847	298.486	ug/l	99
17) Carbon Disulfide	2.57	76	654905	52.342	ug/l	99
18) Methyl Acetate	2.78	43	363440	57.274	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	811201	52.434	ug/l	97
20) Methylene Chloride	2.85	84	276018	55.614	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	263173	51.734	ug/l	99
22) Diisopropyl ether	3.87	45	771535	53.906	ug/l	98
23) Vinyl Acetate	3.82	43	3341849	281.375	ug/l	100
24) 1,1-Dichloroethane	3.70	63	460344	56.008	ug/l	99
25) 2-Butanone	4.70	43	971084	280.604	ug/l	98
26) 2,2-Dichloropropane	4.59	77	352029	56.239	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	280765	50.531	ug/l	98
28) Bromochloromethane	5.01	49	187475	49.599	ug/l	99
29) Tetrahydrofuran	5.15	42	614223	282.202	ug/l	99
30) Chloroform	5.21	83	460396	53.679	ug/l	99
31) Cyclohexane	5.57	56	397638	53.865	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	405189	55.968	ug/l	99
36) 1,1-Dichloropropene	5.80	75	347048	54.020	ug/l	98
37) Ethyl Acetate	4.85	43	354345	54.563	ug/l	100
38) Carbon Tetrachloride	5.78	117	364933	58.552	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	439927	56.598	ug/l	98
40) Benzene	6.14	78	1025266	54.177	ug/l	100
41) Methacrylonitrile	5.06	41	198948	57.159	ug/l	99
42) 1,2-Dichloroethane	6.20	62	347921	53.136	ug/l	100
43) Isopropyl Acetate	6.45	43	570905	56.954	ug/l	100
44) Trichloroethene	7.21	130	308293	54.090	ug/l	97
45) 1,2-Dichloropropane	7.51	63	258748	54.570	ug/l	98
46) Dibromomethane	7.66	93	181697	52.724	ug/l	99
47) Bromodichloromethane	7.90	83	337588	57.801	ug/l	99
48) Methyl methacrylate	7.77	41	295073	58.850	ug/l	100
49) 1,4-Dioxane	7.75	88	133397	1168.706	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1886914	285.946	ug/l	100
52) Toluene	8.78	92	668016	54.712	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	382436	60.960	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	408083	59.151	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	277381	54.500	ug/l	97
56) Ethyl methacrylate	9.18	69	400211	56.775	ug/l	98
57) 1,3-Dichloropropane	9.37	76	442285	54.644	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1188046	319.758	ug/l	100
59) 2-Hexanone	9.49	43	1445113	281.424	ug/l	100
60) Dibromochloromethane	9.58	129	297709	61.848	ug/l	98
61) 1,2-Dibromoethane	9.67	107	299343	55.538	ug/l	98
64) Tetrachloroethene	9.34	164	335107	53.198	ug/l	98
65) Chlorobenzene	10.13	112	777917	53.339	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	283116	57.901	ug/l	99
67) Ethyl Benzene	10.25	91	1294440	55.115	ug/l	99
68) m/p-Xylenes	10.36	106	1034410	110.797	ug/l	100
69) o-Xylene	10.69	106	498900	55.534	ug/l	100
70) Styrene	10.71	104	812458	55.765	ug/l	100
71) Bromoform	10.85	173	229858	53.307	ug/l #	100
73) Isopropylbenzene	11.02	105	1337419	55.002	ug/l	99
74) N-amyl acetate	10.90	43	509729	54.197	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	392818	53.008	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	388839m	55.867	ug/l	
77) Bromobenzene	11.26	156	359725	52.506	ug/l	99
78) n-propylbenzene	11.36	91	1524294	57.167	ug/l	100
79) 2-Chlorotoluene	11.42	91	868274	53.666	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1114033	56.000	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	122744	54.128	ug/l	96
82) 4-Chlorotoluene	11.51	91	1028059	54.915	ug/l	100
83) tert-Butylbenzene	11.77	119	1079352	54.802	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1128321	55.867	ug/l	100
85) sec-Butylbenzene	11.94	105	1357102	56.930	ug/l	100
86) p-Isopropyltoluene	12.06	119	1221098	56.746	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	644938	52.453	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	651418	52.221	ug/l	100
89) n-Butylbenzene	12.39	91	1068407	57.717	ug/l	100
90) Hexachloroethane	12.60	117	196788	61.104	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	636337	52.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	85836	55.706	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	451923	54.765	ug/l	99
94) Hexachlorobutadiene	13.78	225	216606	54.057	ug/l	100
95) Naphthalene	13.83	128	1335468	55.341	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	440971	53.087	ug/l	98

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

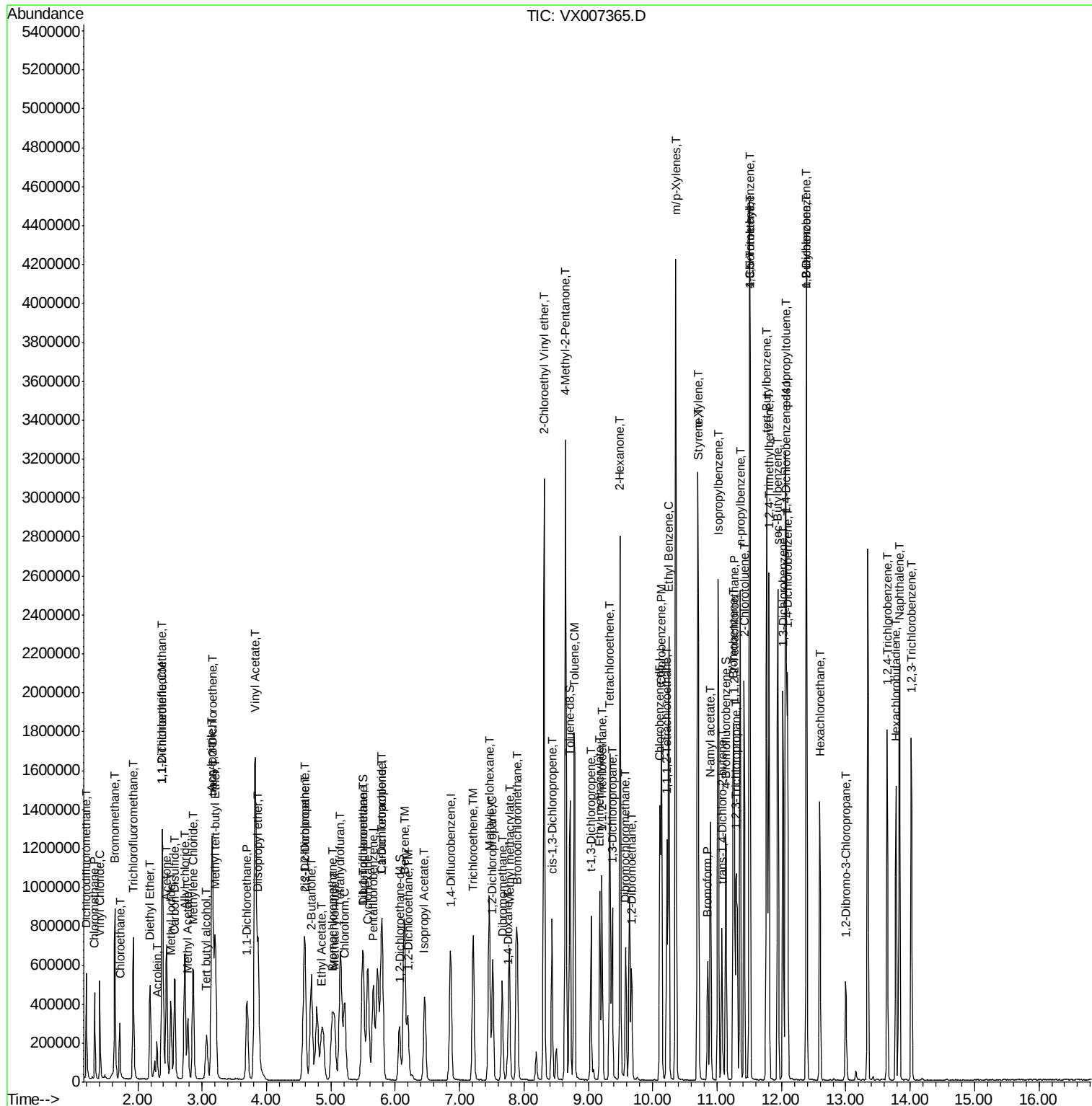
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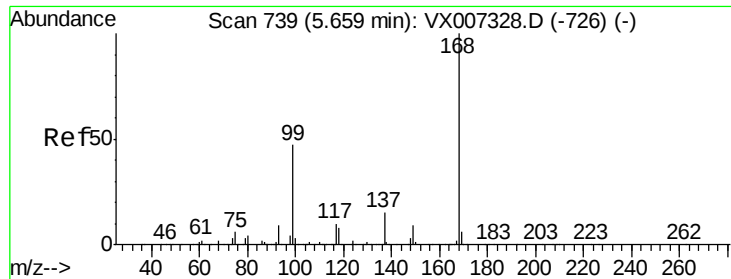
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 500148

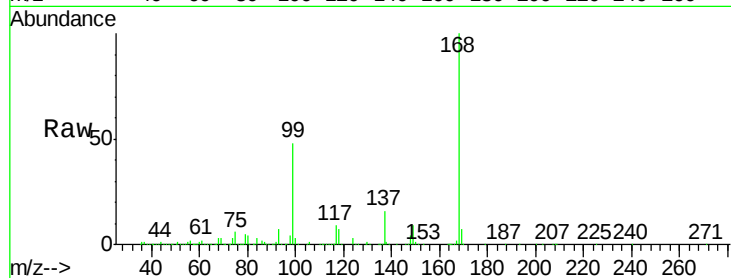
Ion Ratio Lower Upper

168 100

99 47.9 37.9 56.9

Manual Integrations
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2/6/2019 9:29:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

150000

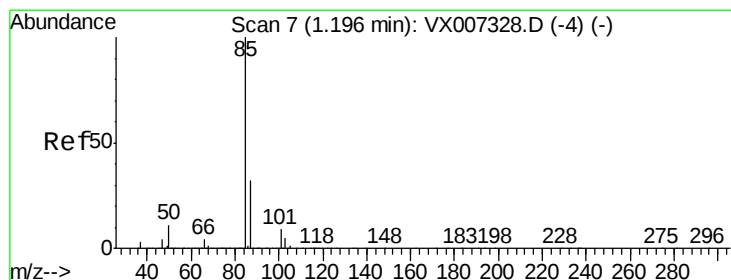
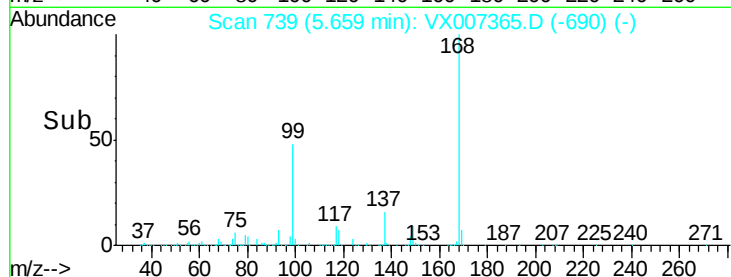
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 56.088 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007365.D

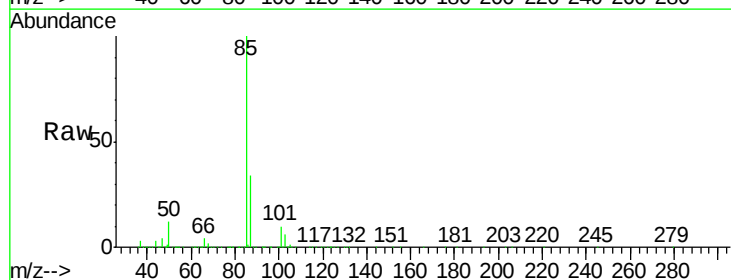
Acq: 05 Feb 2019 09:44

Tgt Ion: 85 Resp: 344849

Ion Ratio Lower Upper

85 100

87 33.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300000

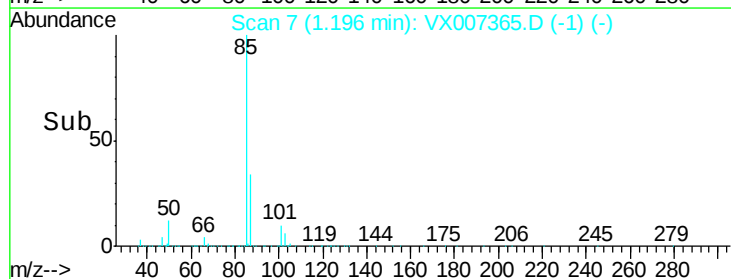
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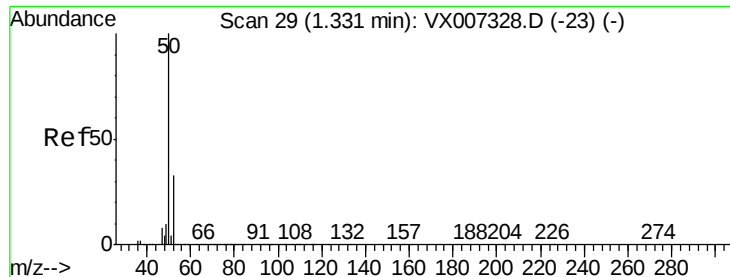
100000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 52.463 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 295548

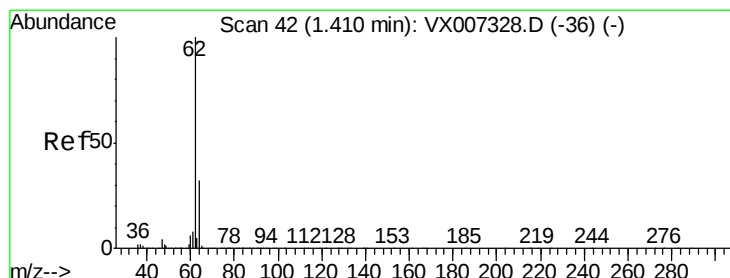
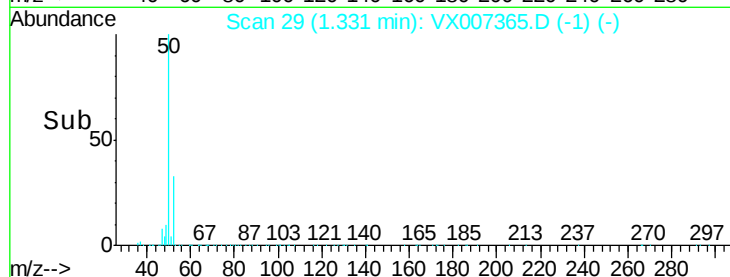
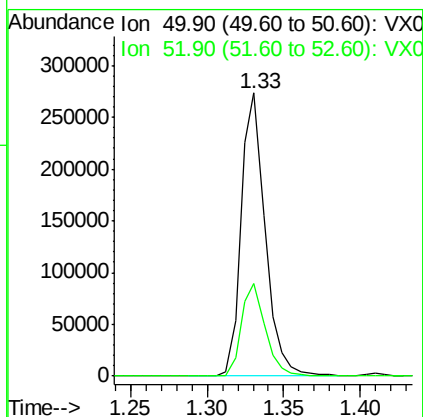
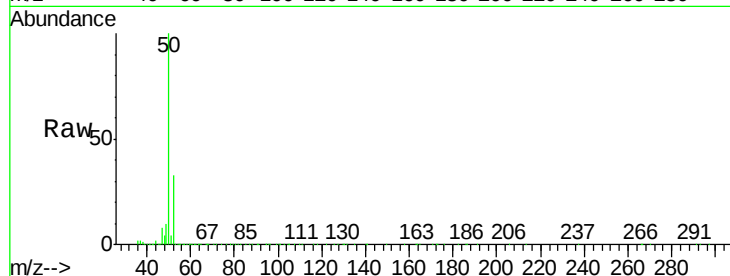
Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1

Manual Integrations
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2/6/2019 9:29:33 AM



#4

Vinyl Chloride

Concen: 55.675 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007365.D

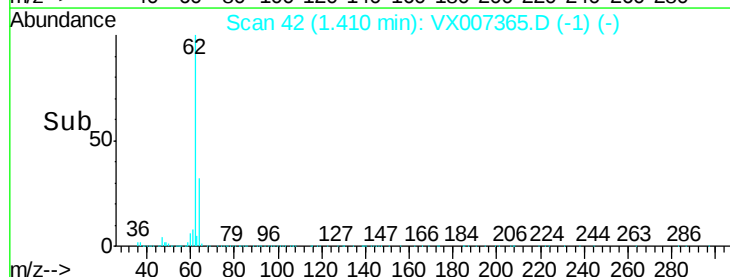
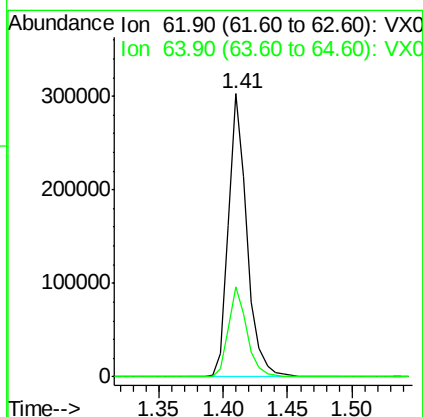
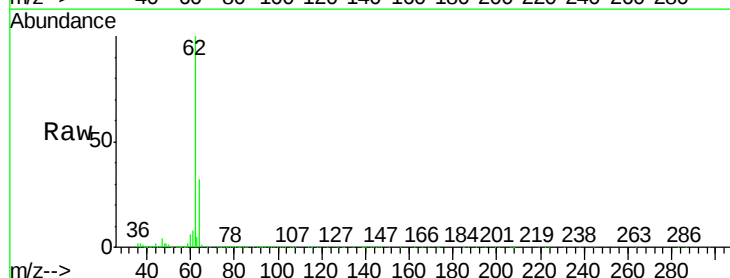
Acq: 05 Feb 2019 09:44

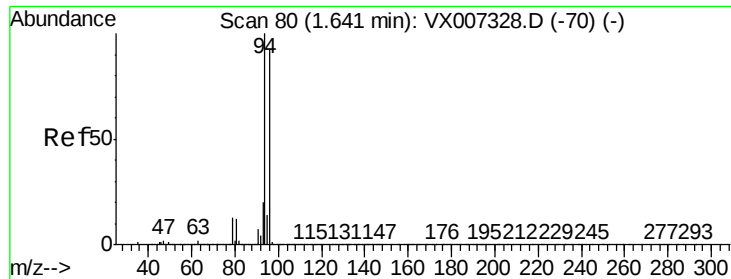
Tgt Ion: 62 Resp: 307693

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 55.161 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 301153

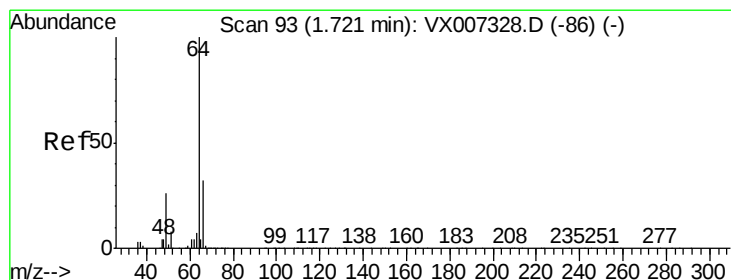
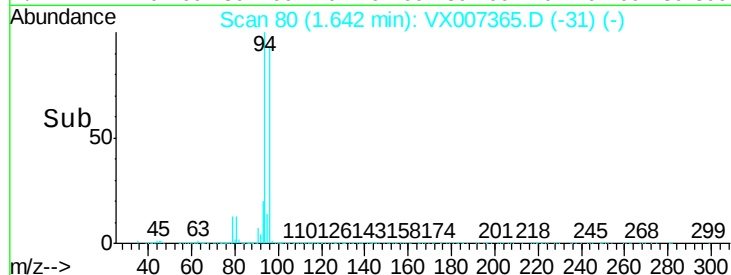
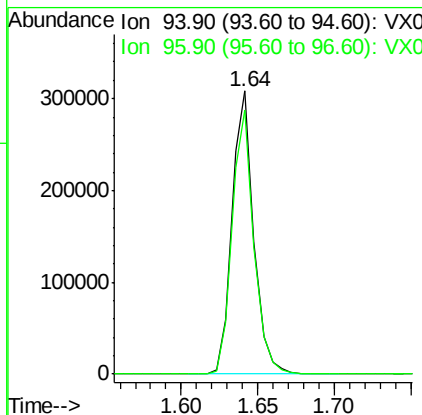
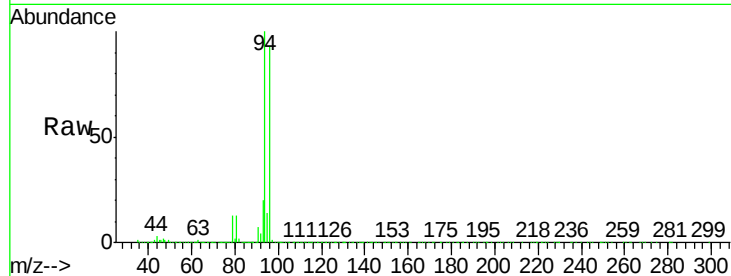
Ion Ratio Lower Upper

94 100

96 93.3 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 52.739 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007365.D

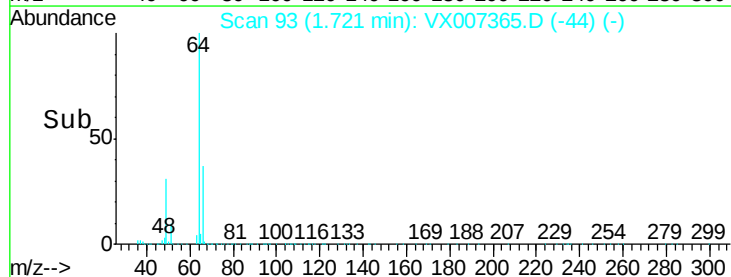
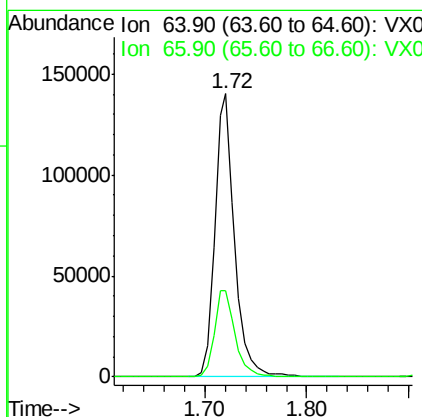
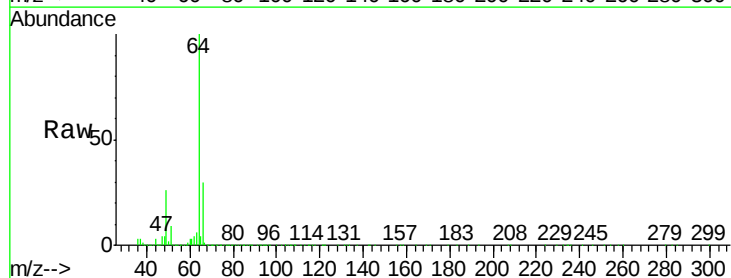
Acq: 05 Feb 2019 09:44

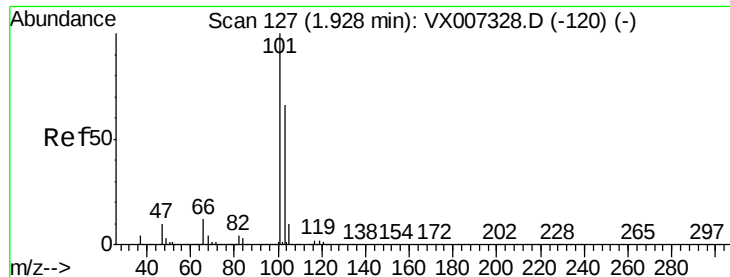
Tgt Ion: 64 Resp: 188549

Ion Ratio Lower Upper

64 100

66 30.2 25.5 38.3





#7

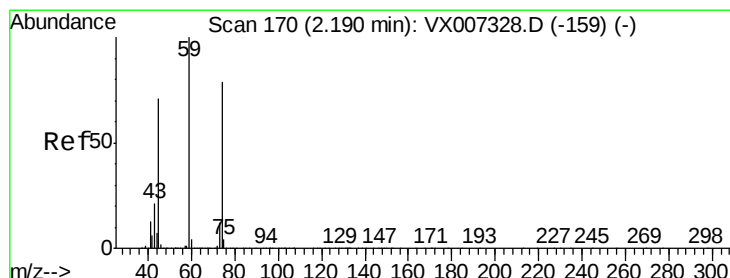
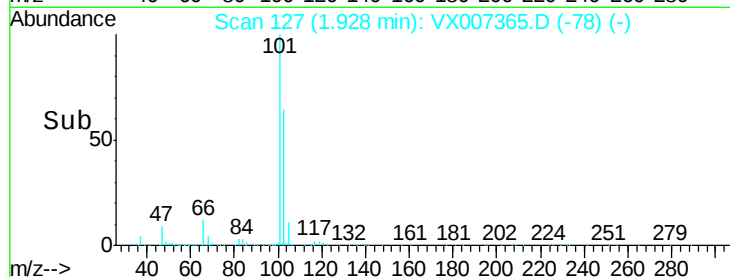
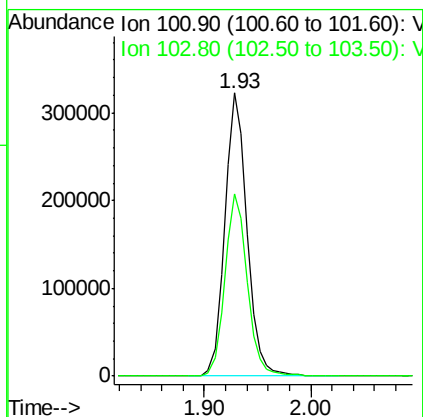
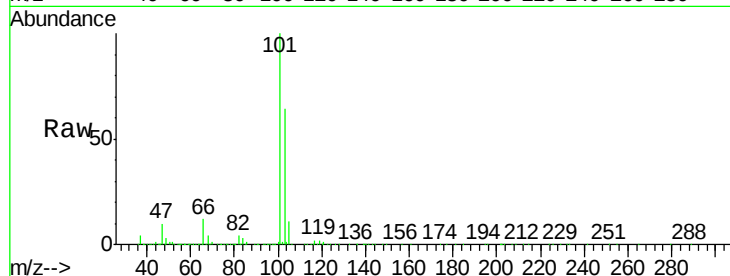
Trichlorofluoromethane
Concen: 54.432 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.6	79.0

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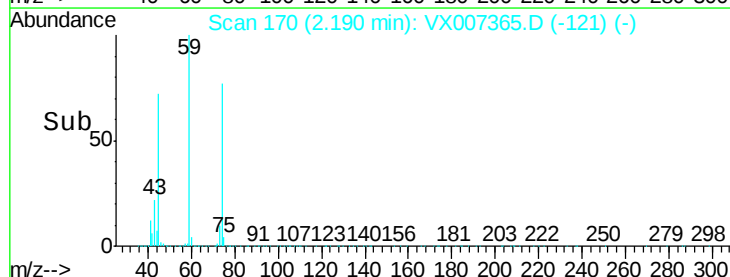
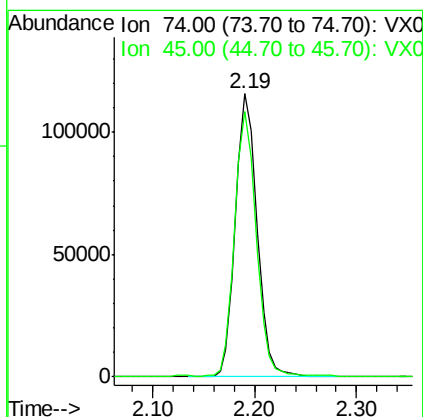
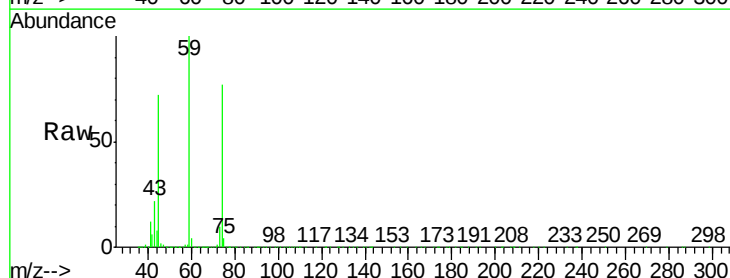
MMDadoda
2/6/2019 9:29:33 AM

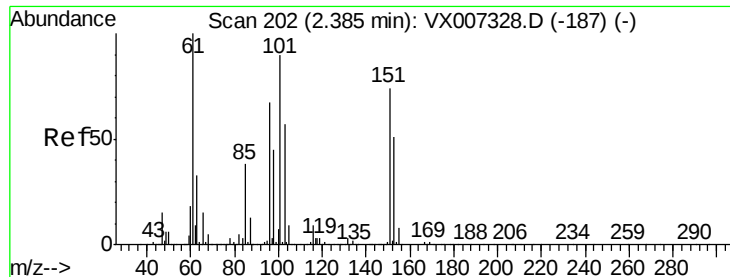


#8

Diethyl Ether
Concen: 52.150 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.479 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

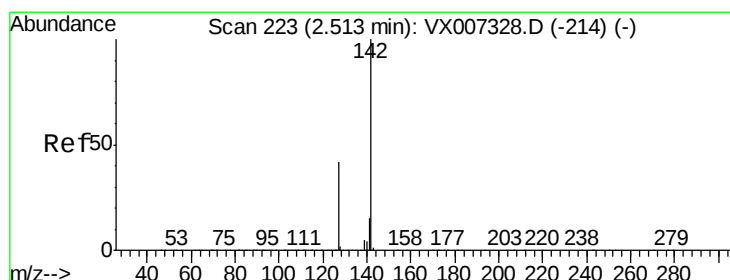
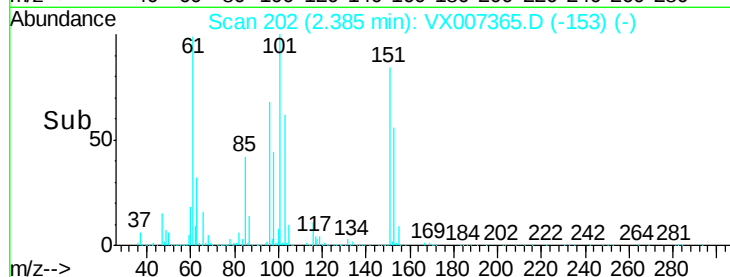
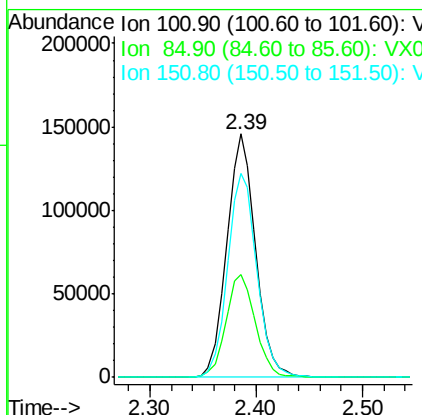
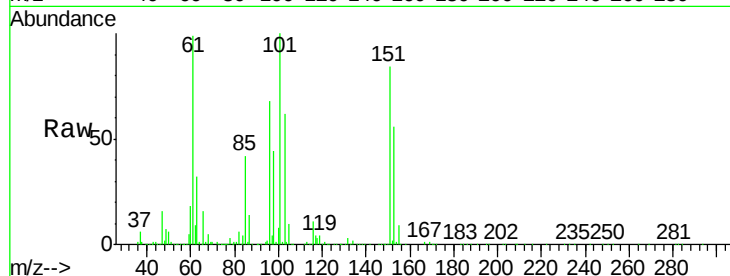
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	275020
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.1	51.1
151	85.7	69.9	104.9

Manual Integrations
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2/6/2019 9:29:33 AM



#10

Methyl Iodide

Concen: 54.859 ug/l

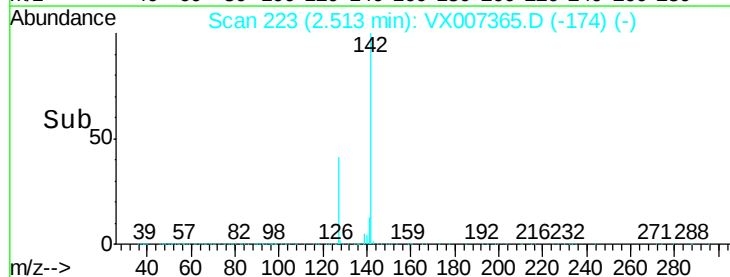
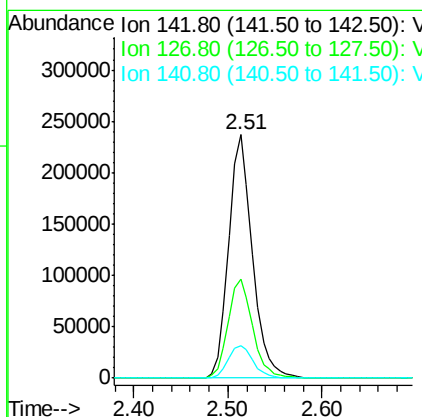
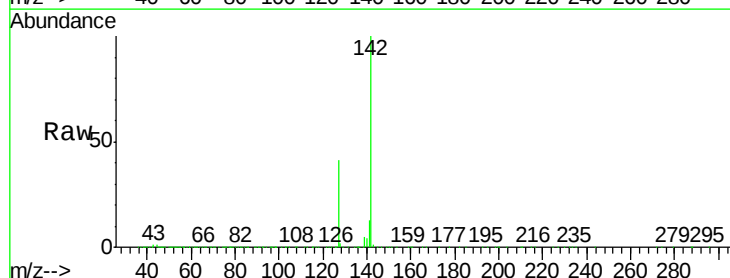
RT: 2.51 min Scan# 223

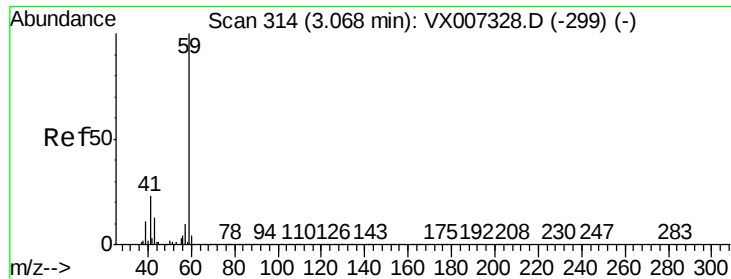
Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tgt Ion:	142	Resp:	415014
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.7	50.5
141	14.5	11.3	16.9





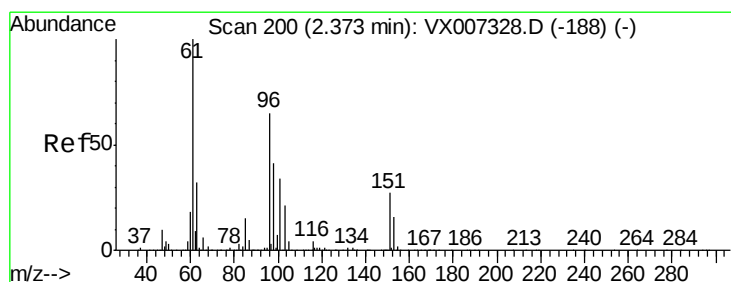
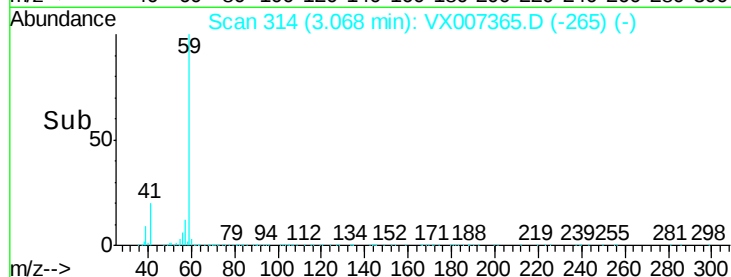
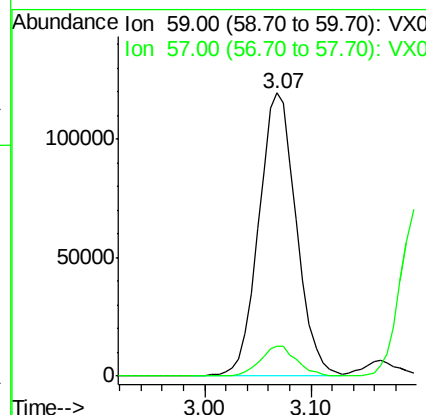
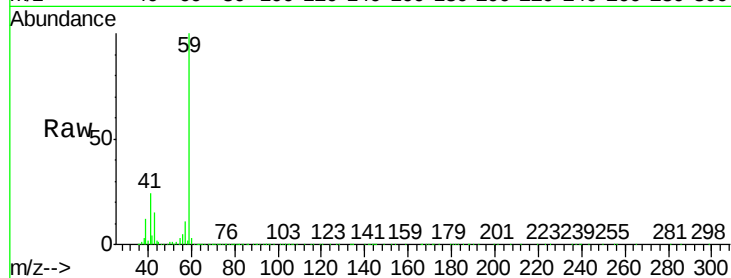
#11
Tert butyl alcohol
Concen: 266.395 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 59 Resp: 292670
Ion Ratio Lower Upper
59 100
57 10.4 8.1 12.1

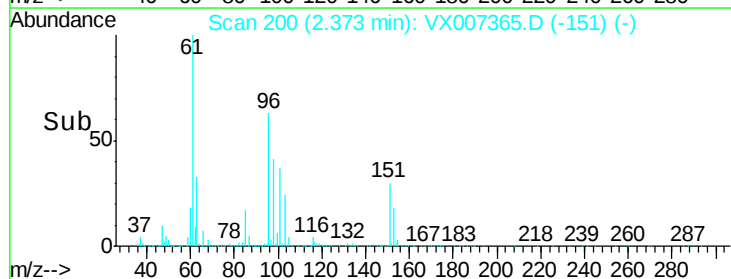
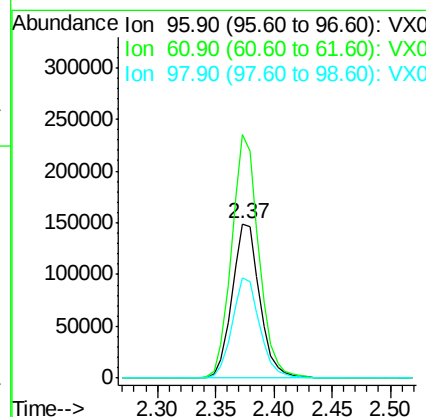
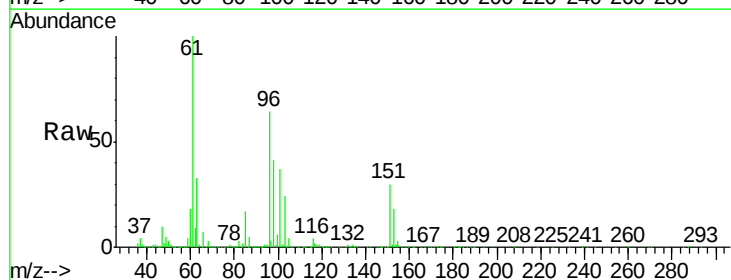
Manual Integrations
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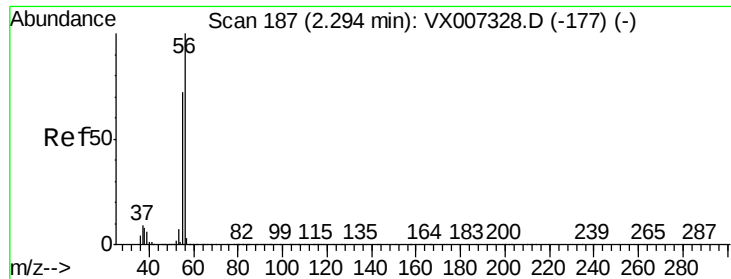
MMDadoda
2/6/2019 9:29:33 AM



#12
1,1-Dichloroethene
Concen: 51.526 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion: 96 Resp: 246059
Ion Ratio Lower Upper
96 100
61 157.5 123.0 184.4
98 64.8 50.9 76.3





#13

Acrolein

Concen: 279.274 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 143876

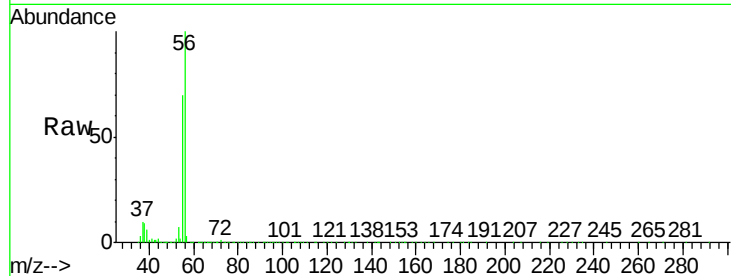
Ion Ratio Lower Upper

56 100

55 71.2 56.9 85.3

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

100000

80000

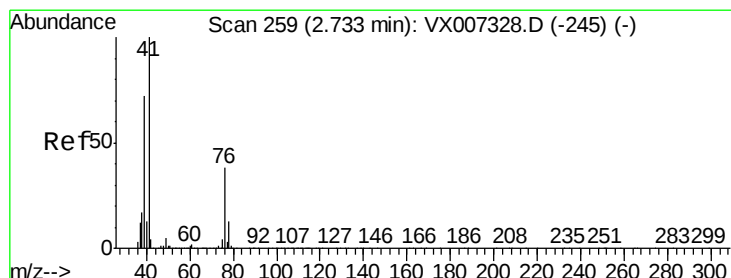
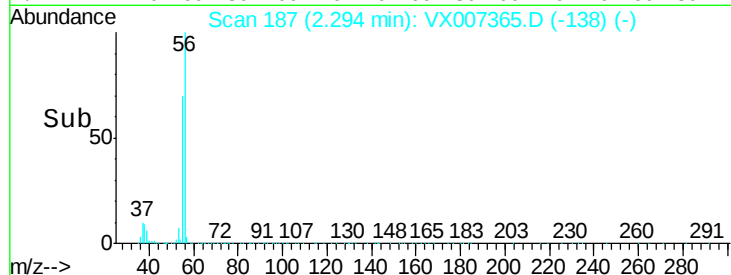
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 53.919 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

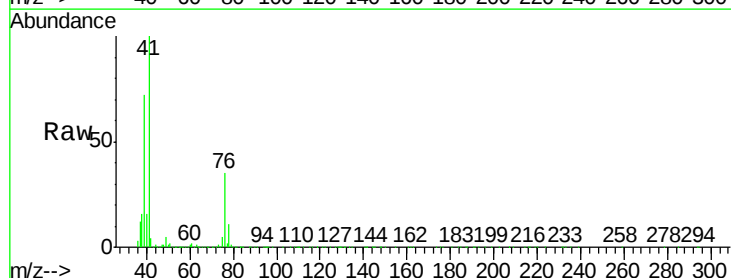
Tgt Ion: 41 Resp: 419543

Ion Ratio Lower Upper

41 100

39 68.9 54.1 81.1

76 34.5 27.8 41.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

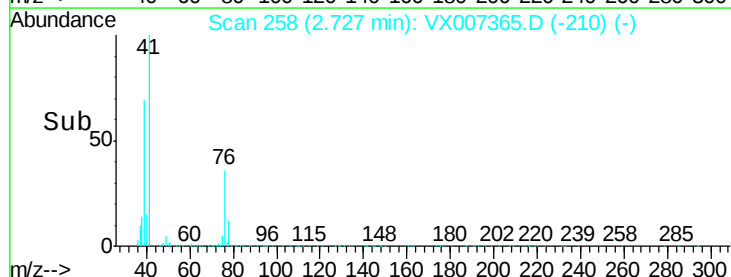
300000

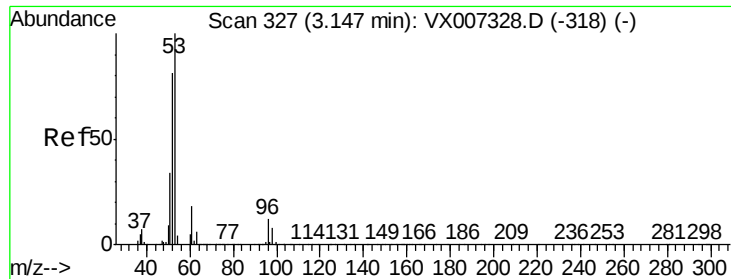
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 267.065 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

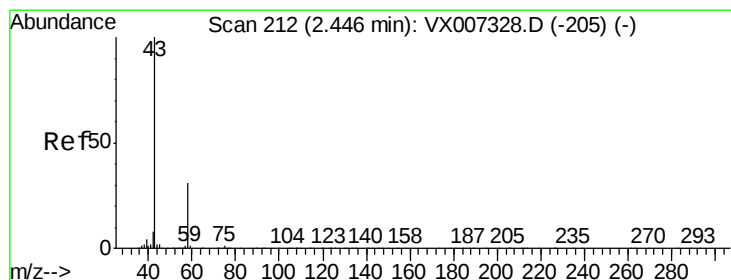
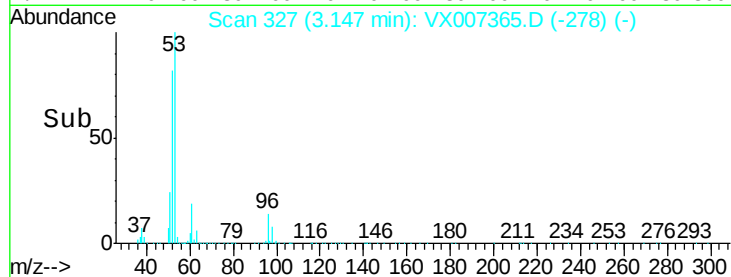
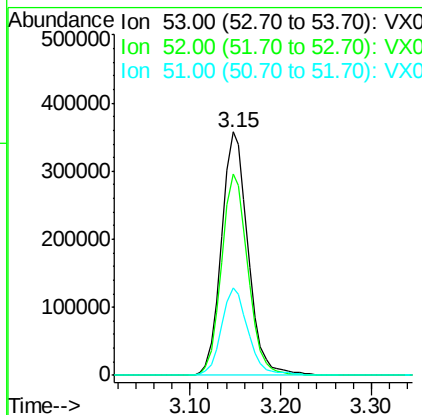
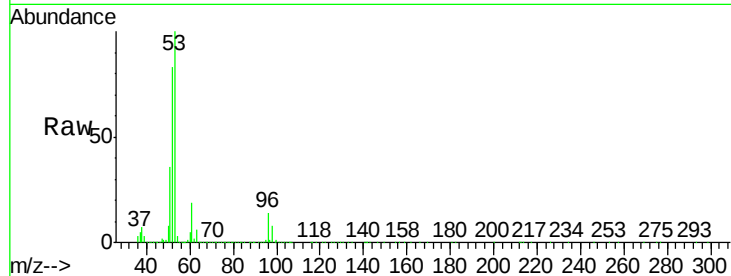
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	725826
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.4	99.6
51	36.1	28.4	42.6

Manual Integrations
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2/6/2019 9:29:33 AM



#16

Acetone

Concen: 298.486 ug/l

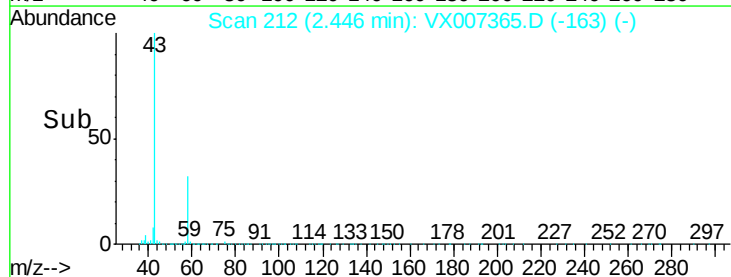
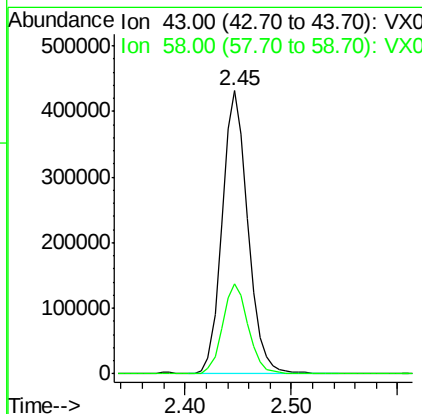
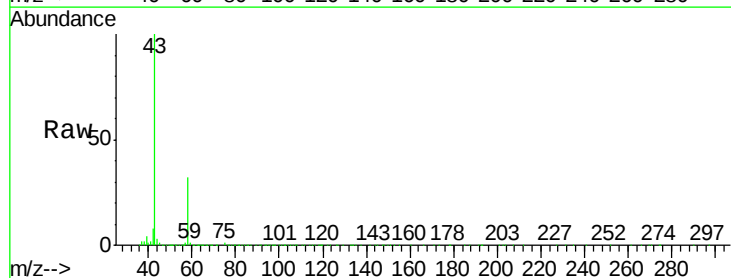
RT: 2.45 min Scan# 212

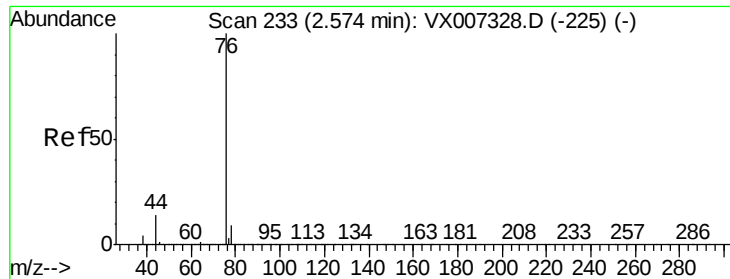
Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tgt Ion:	43	Resp:	725847
Ion Ratio	Lower	Upper	
43	100		
58	31.8	24.9	37.3





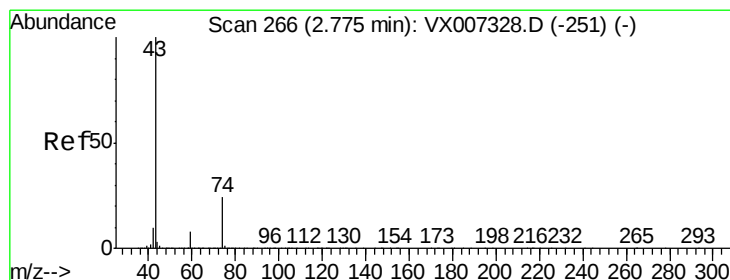
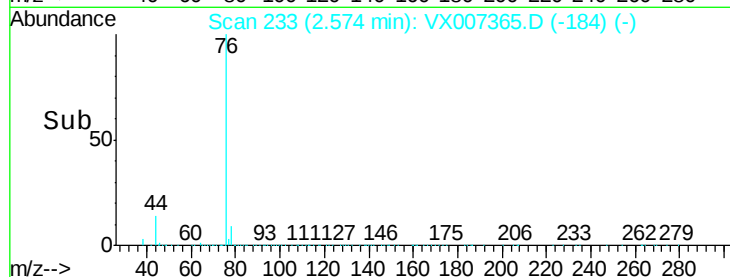
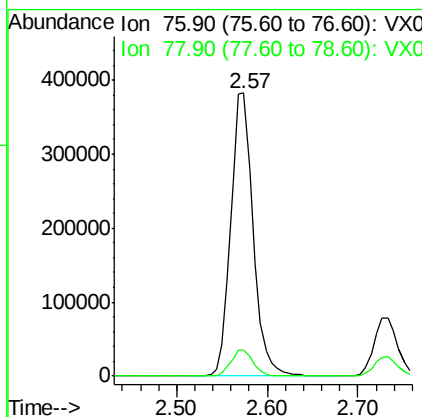
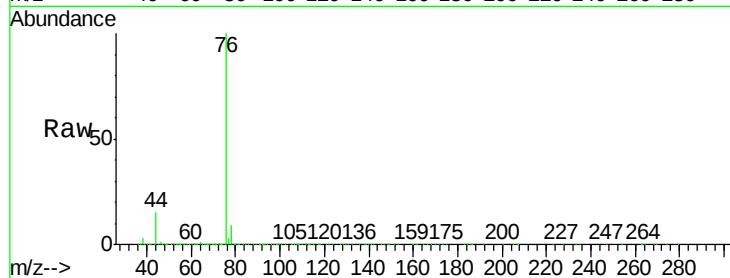
#17
Carbon Disulfide
Concen: 52.342 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

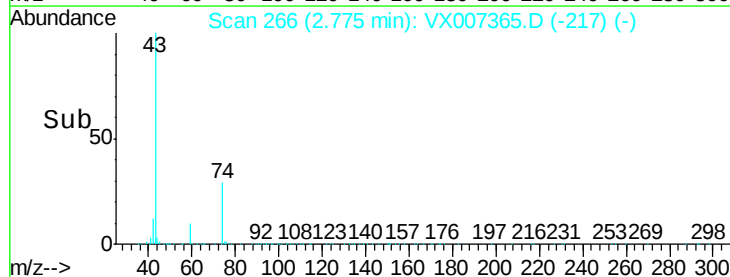
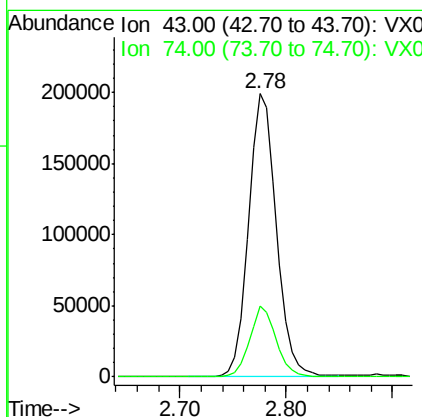
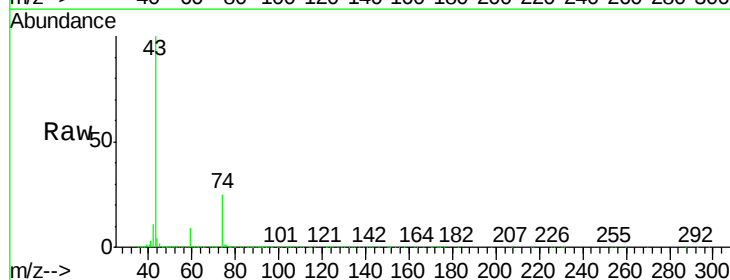
Manual Integrations
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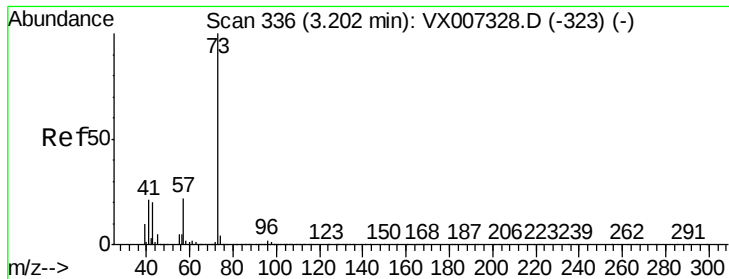
MMDadoda
2/6/2019 9:29:33 AM



#18
Methyl Acetate
Concen: 57.274 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.4	29.2





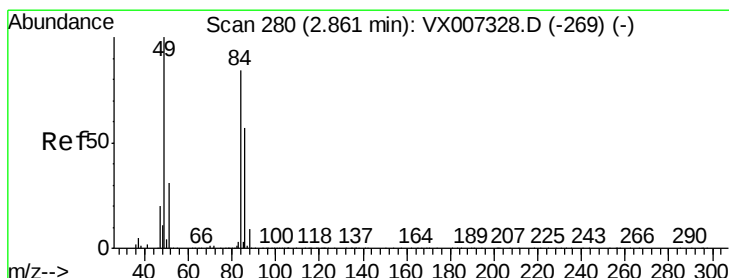
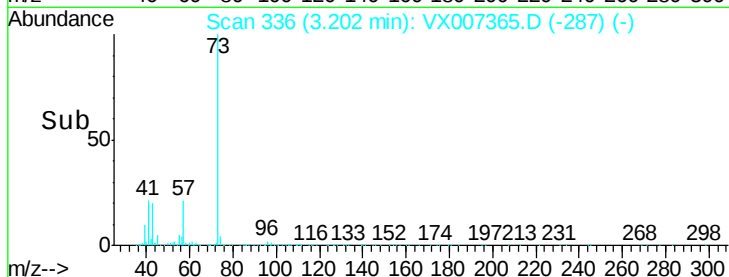
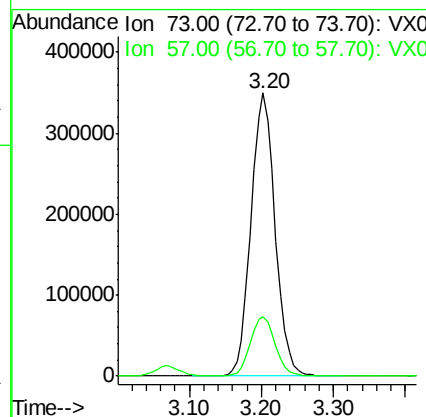
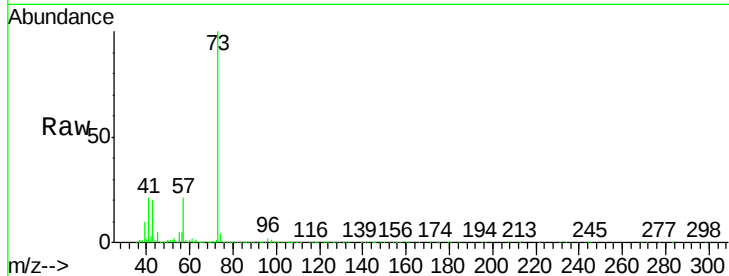
#19
Methvl tert-butvl Ether
Concen: 52.434 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.8	26.8

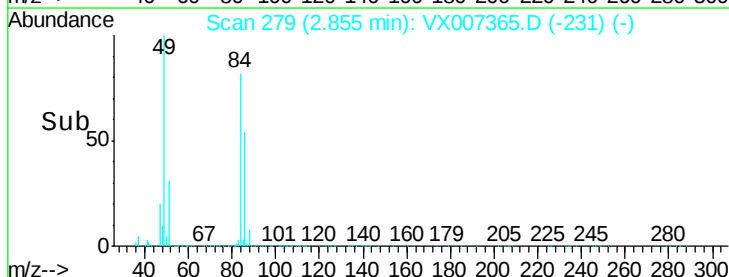
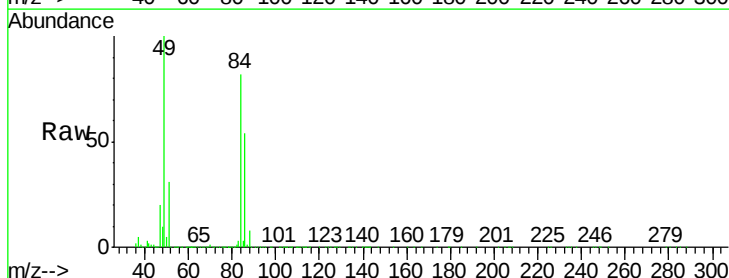
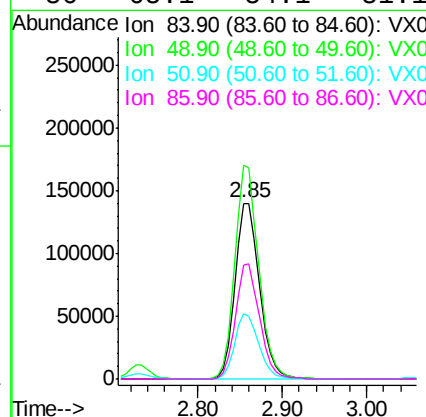
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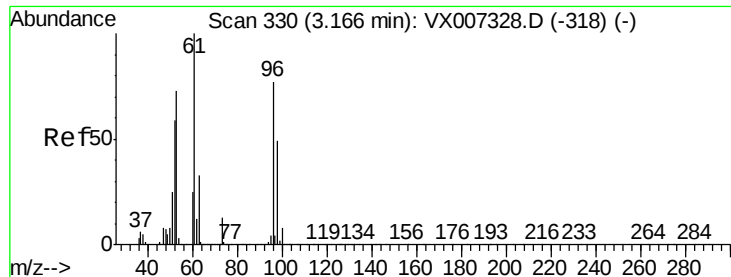
MMDadoda
2/6/2019 9:29:33 AM



#20
Methylene Chloride
Concen: 55.614 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.6	94.8	142.2
51	37.3	29.8	44.8
86	65.1	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 51.734 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

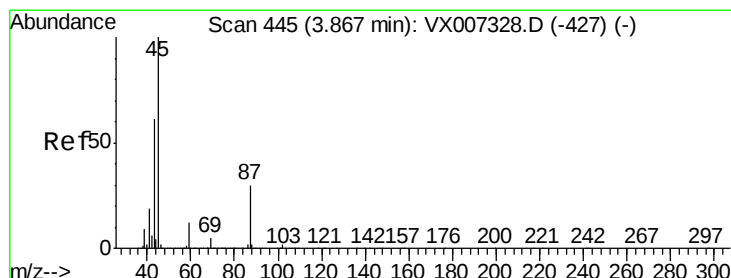
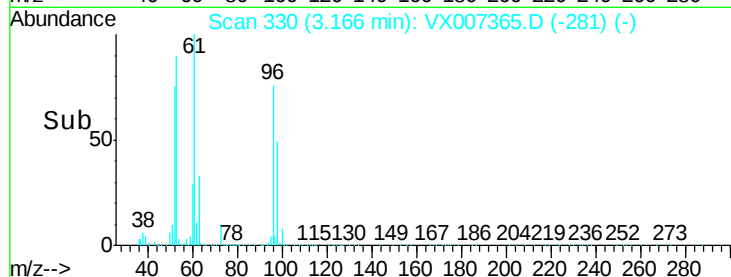
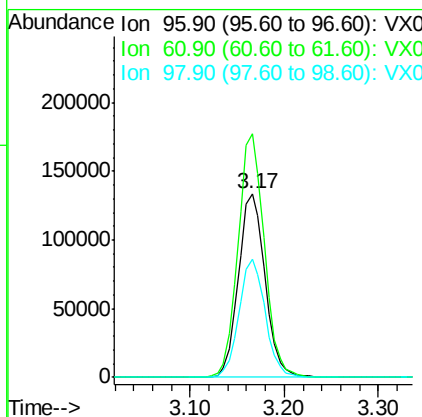
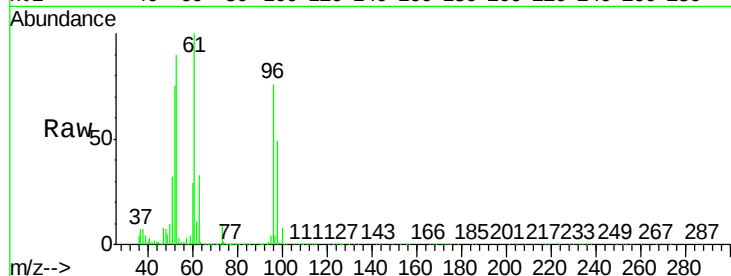
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	263173
Ion	Ratio	Lower	Upper
96	100		
61	132.1	104.6	156.8
98	64.1	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.906 ug/l

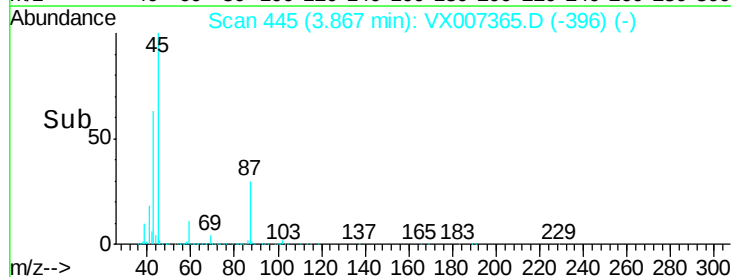
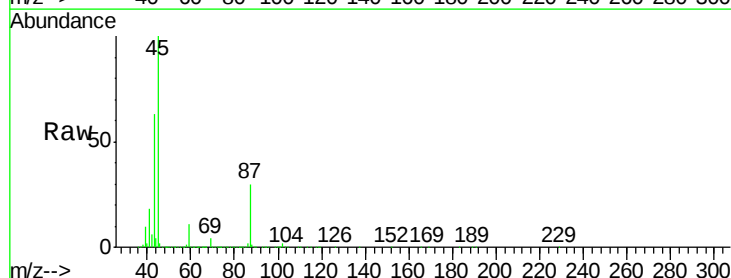
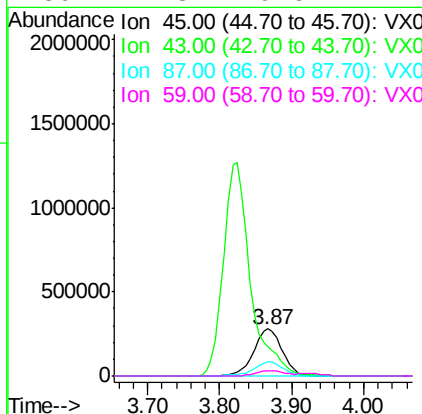
RT: 3.87 min Scan# 445

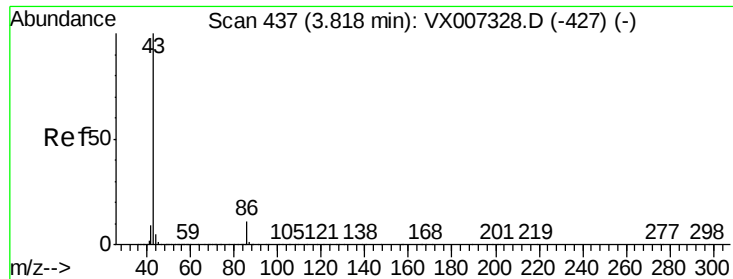
Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tgt Ion:	45	Resp:	771535
Ion	Ratio	Lower	Upper
45	100		
43	63.4	48.9	73.3
87	29.8	23.9	35.9
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 281.375 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3341849

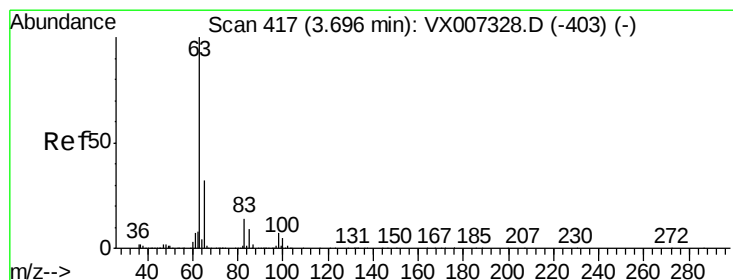
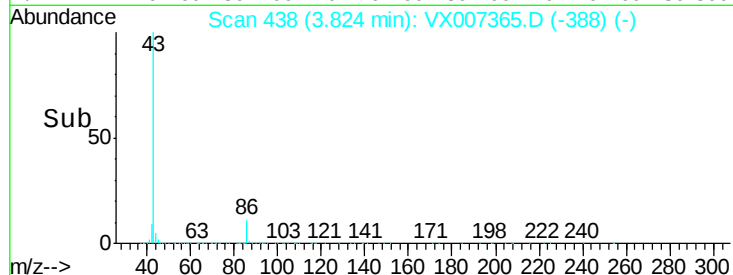
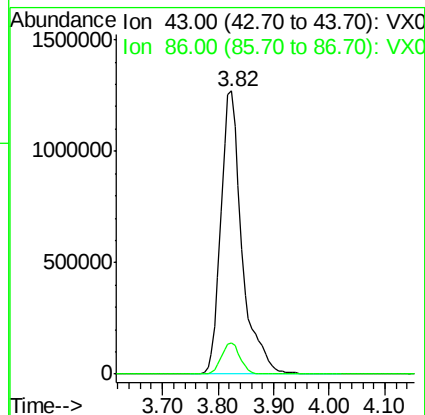
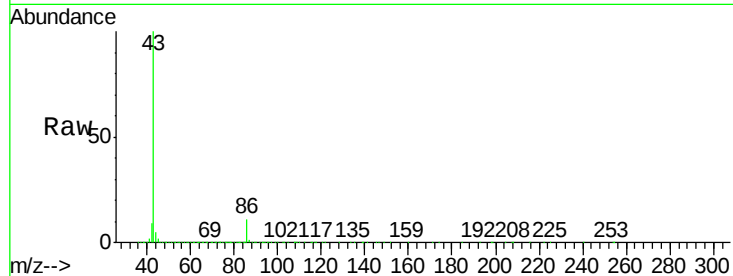
Ion Ratio Lower Upper

43 100

86 10.9 8.7 13.1

Manual Integrations
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MMDadoda
2/6/2019 9:29:33 AM



#24

1,1-Dichloroethane

Concen: 56.008 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

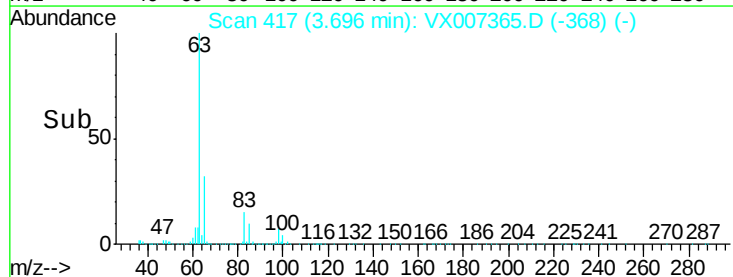
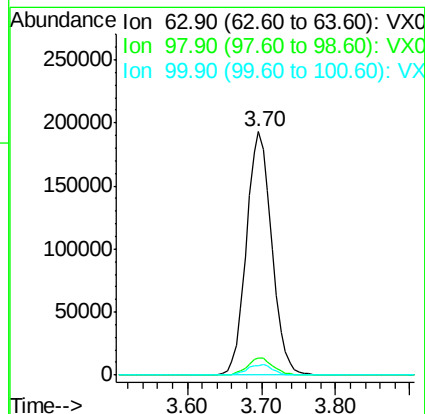
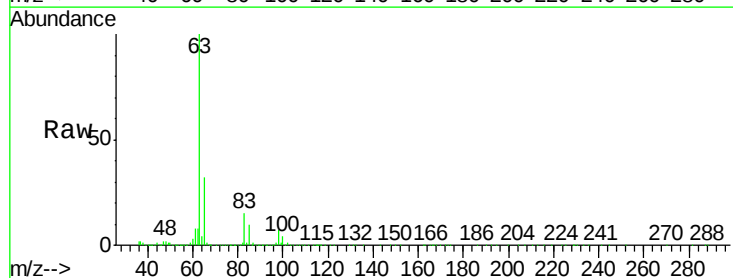
Tgt Ion: 63 Resp: 460344

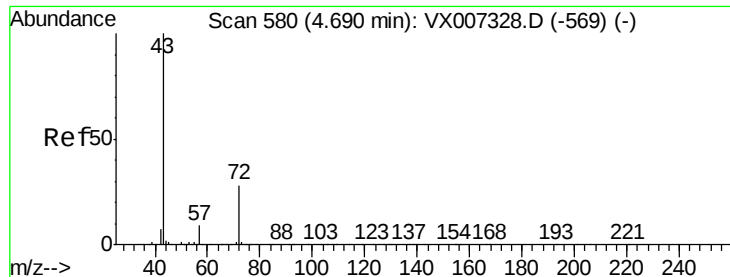
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.1 2.5 7.4





#25

2-Butanone

Concen: 280.604 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 971084

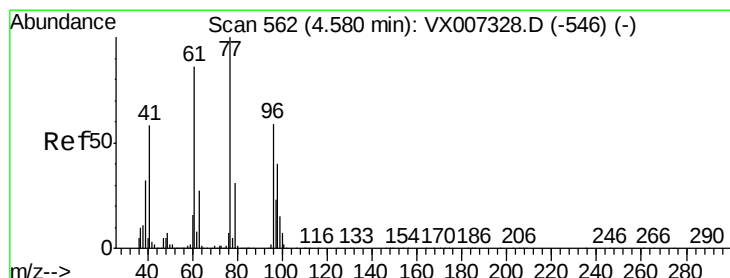
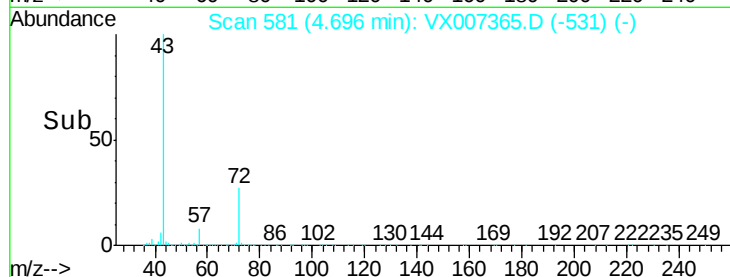
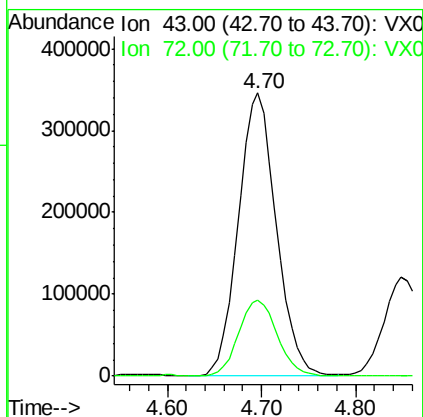
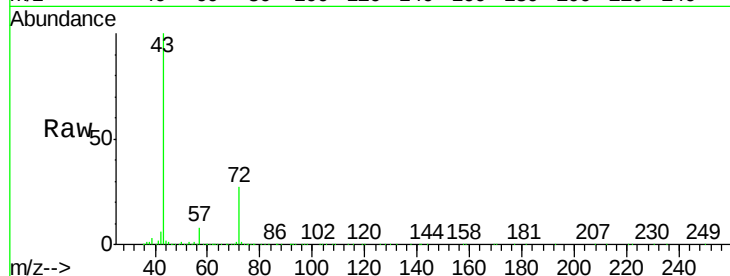
Ion Ratio Lower Upper

43 100

72 26.9 22.2 33.2

Manual Integrations
APPROVED

MMDadoda
2/6/2019 9:29:33 AM



#26

2,2-Dichloropropane

Concen: 56.239 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007365.D

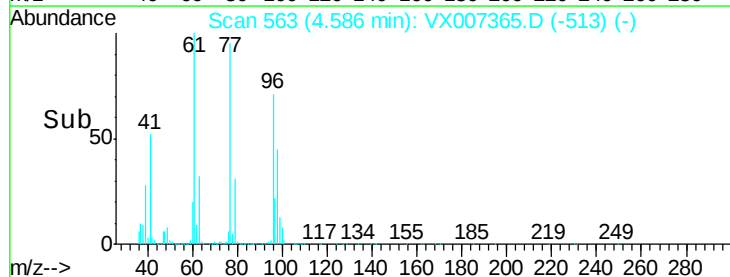
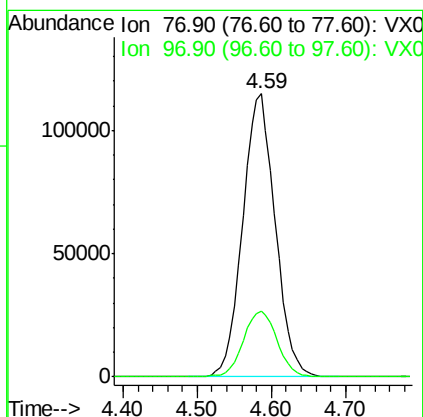
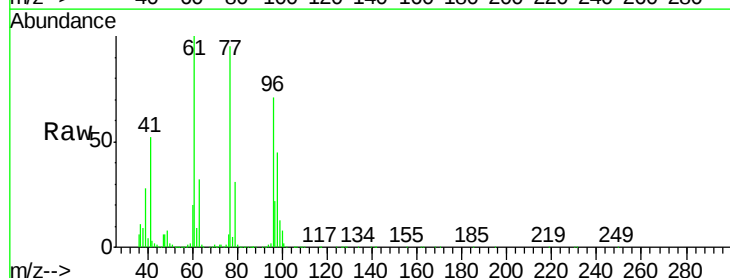
Acq: 05 Feb 2019 09:44

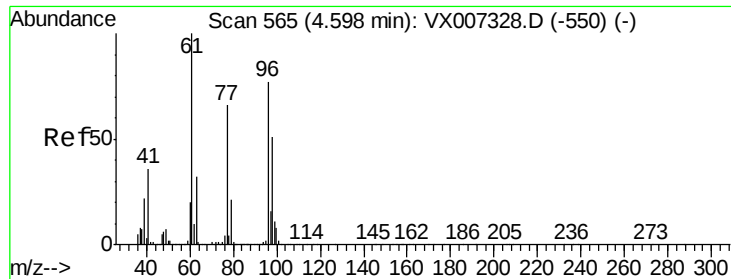
Tgt Ion: 77 Resp: 352029

Ion Ratio Lower Upper

77 100

97 24.2 12.1 36.3





#27

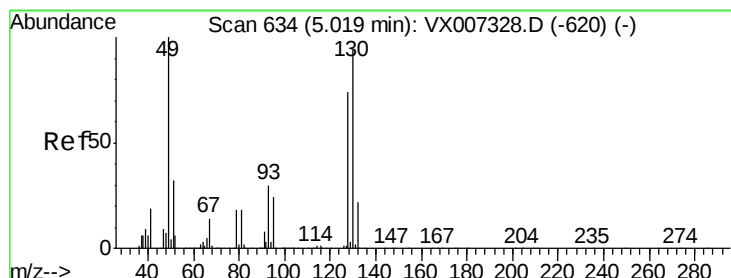
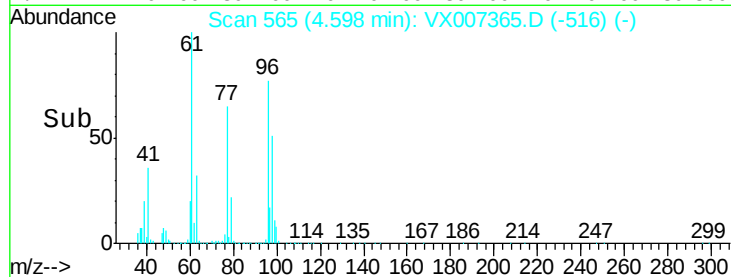
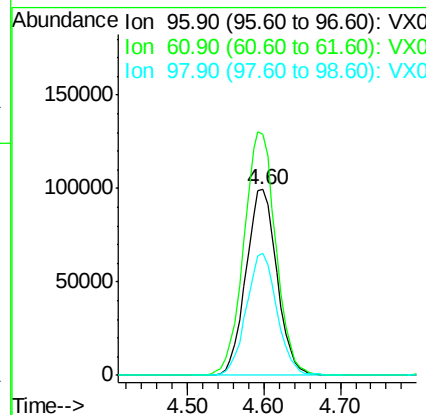
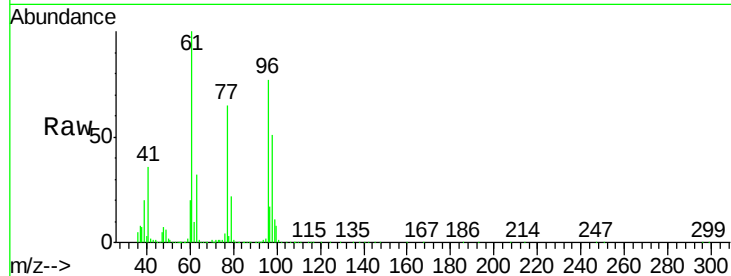
cis-1,2-Dichloroethene
Concen: 50.531 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	280765		
61	134.9	0.0	265.6	
98	64.7	0.0	131.6	

Manual Integrations
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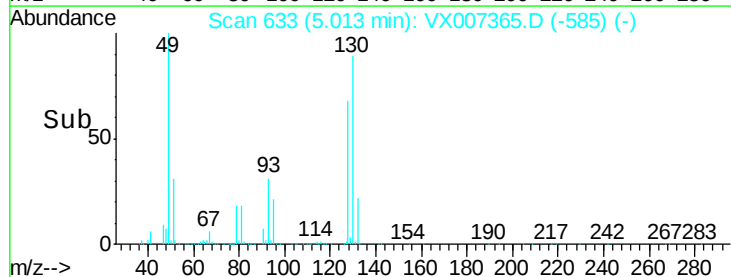
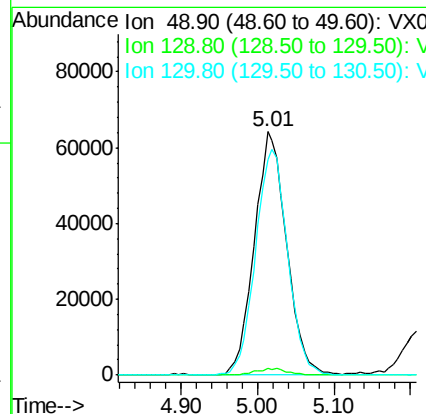
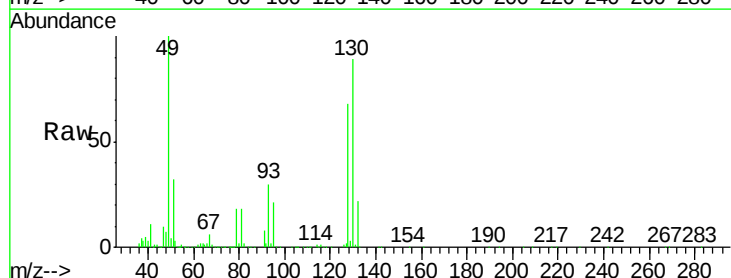
MMDadoda
2/6/2019 9:29:33 AM

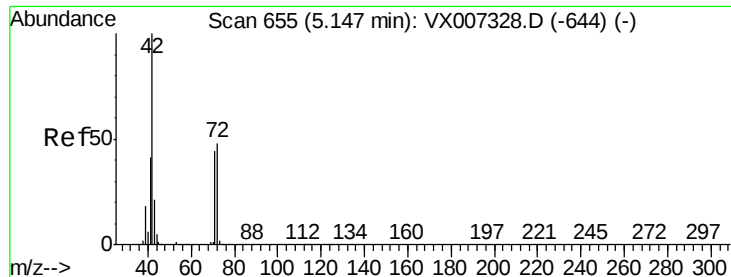


#28

Bromochloromethane
Concen: 49.599 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	187475		
129	2.9	0.0	5.6	
130	93.2	75.6	113.4	





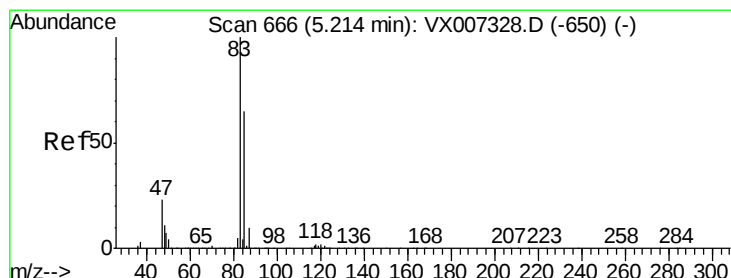
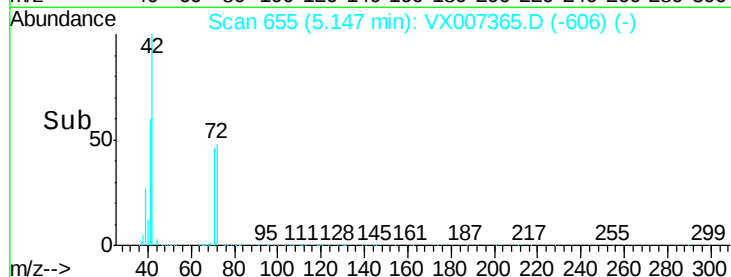
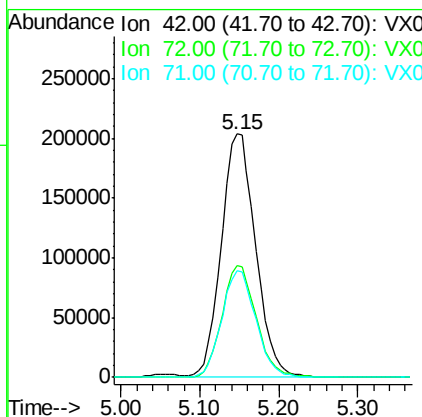
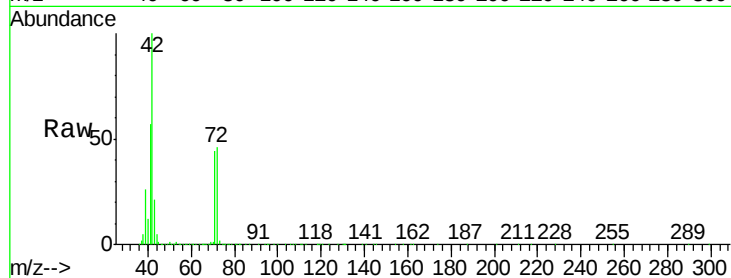
#29
Tetrahydrofuran
Concen: 282.202 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.6	56.4
71	43.9	34.6	51.8

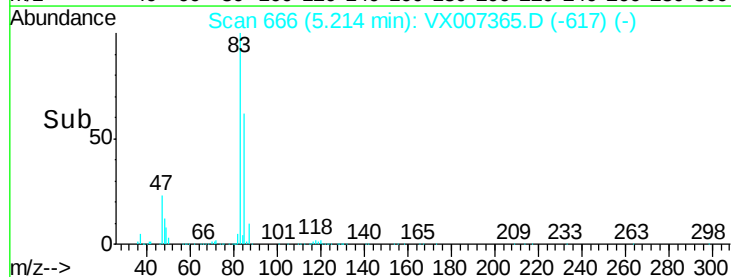
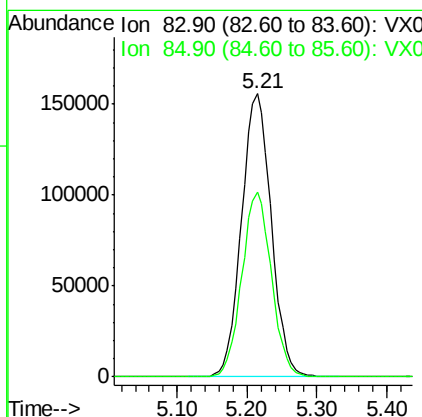
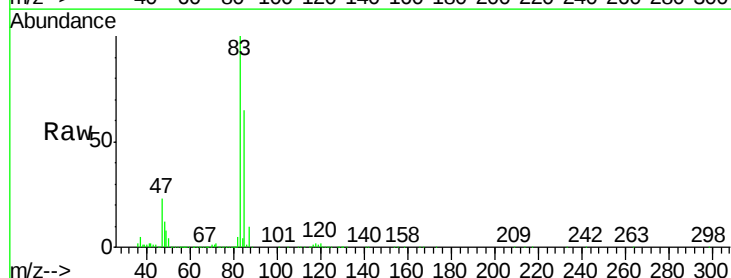
Manual Integrations
APPROVED

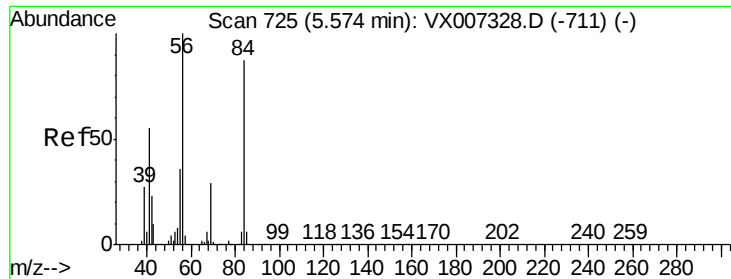
MMDadoda
2/6/2019 9:29:33 AM



#30
Chloroform
Concen: 53.679 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.6	77.4





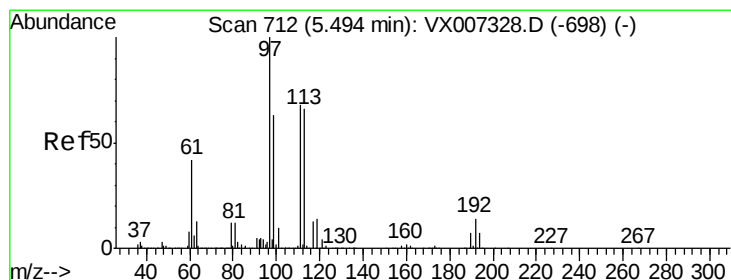
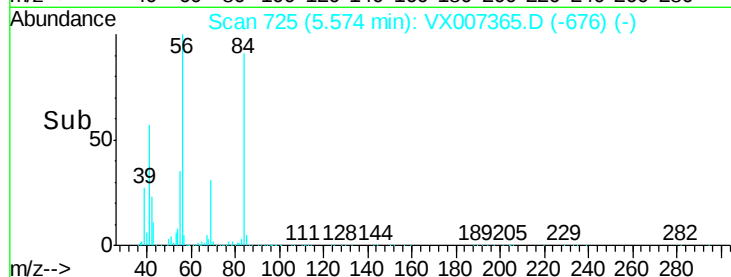
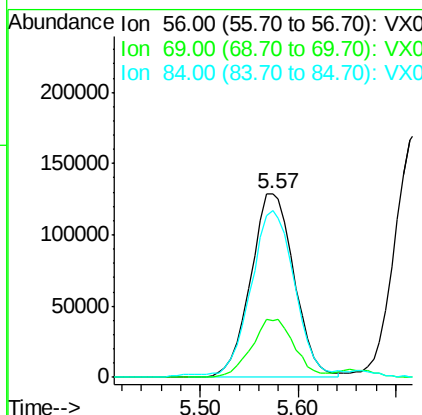
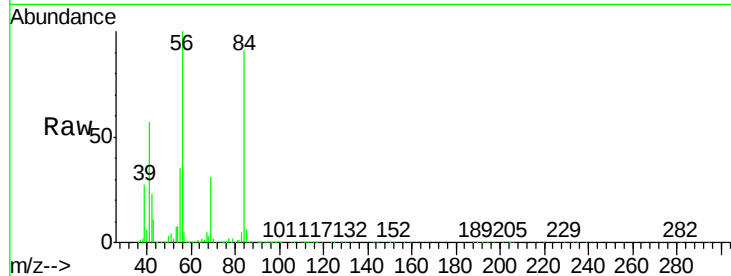
#31
Cyclohexane
Concen: 53.865 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.0	34.6
84	89.1	69.8	104.6

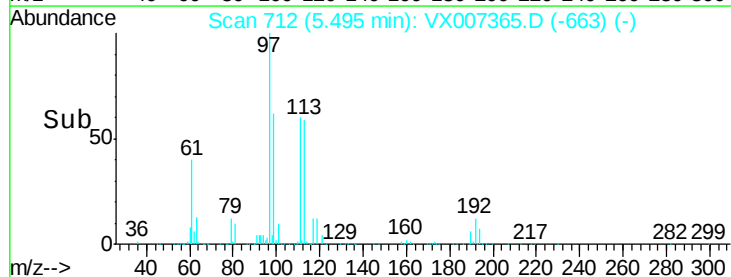
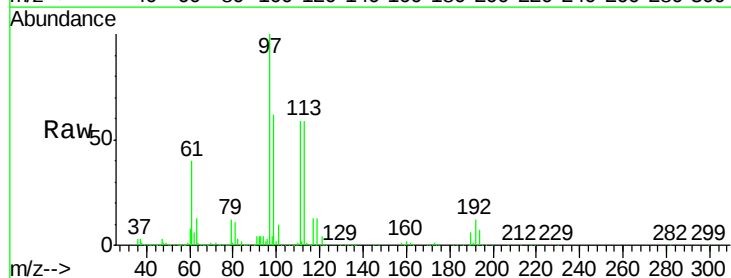
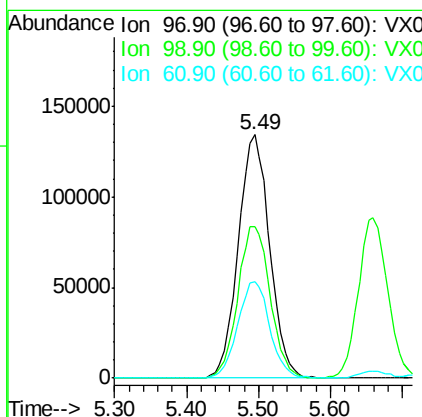
Manual Integrations
APPROVED

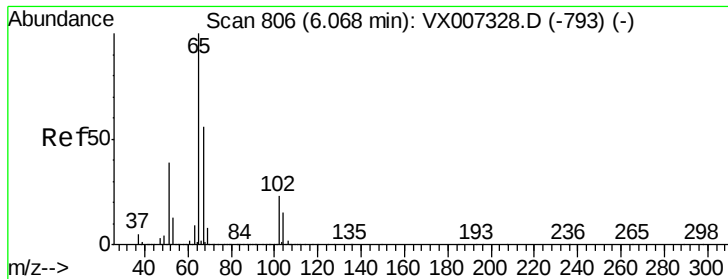
MMDadoda
2/6/2019 9:29:33 AM



#32
1,1,1-Trichloroethane
Concen: 55.968 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.2	78.2
61	40.7	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 48.147 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tot Ion: 65 Resp: 255597

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.8

Instrument :

MSVOA_X

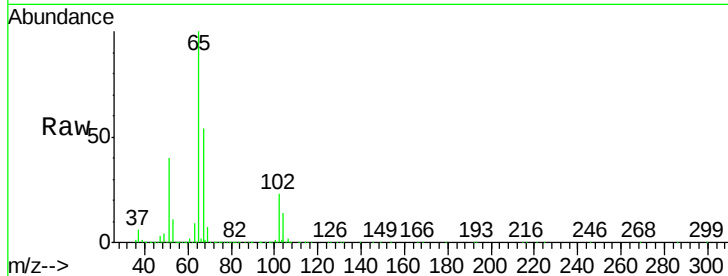
ClientSampled :

VSTDCCC050

Manual Integrations
APPROVED

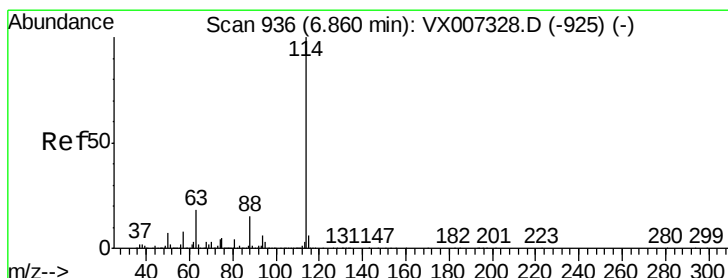
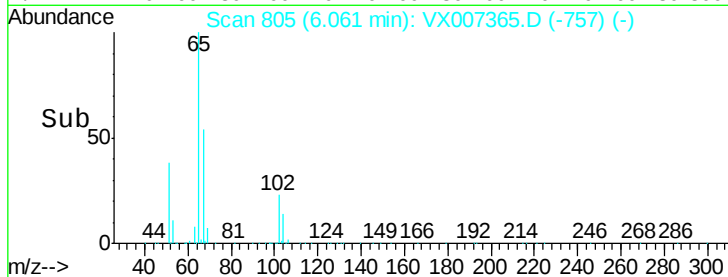
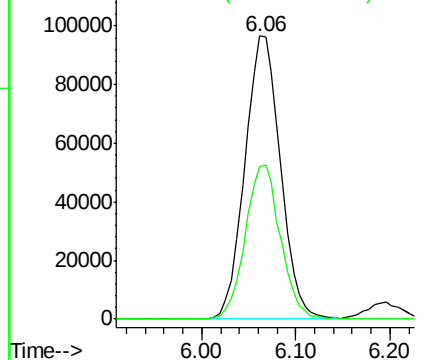
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

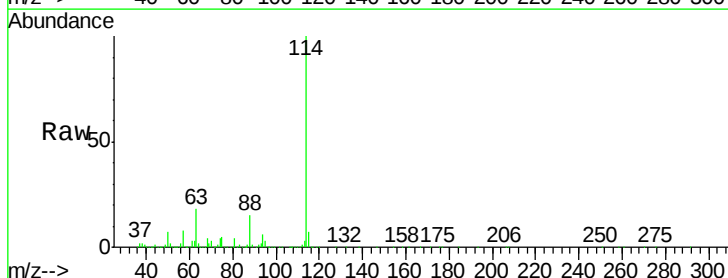
Tgt Ion: 114 Resp: 716018

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

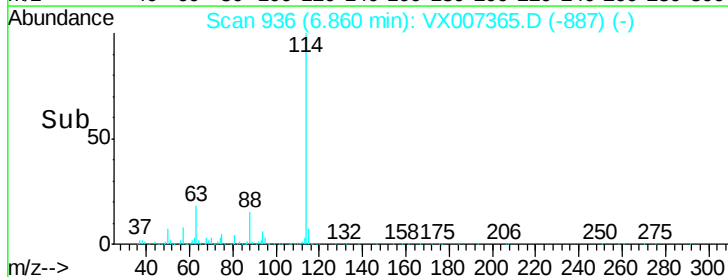
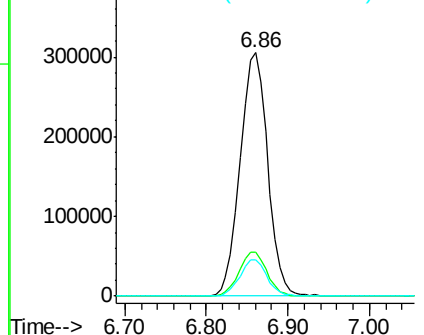
88 14.8 0.0 29.6

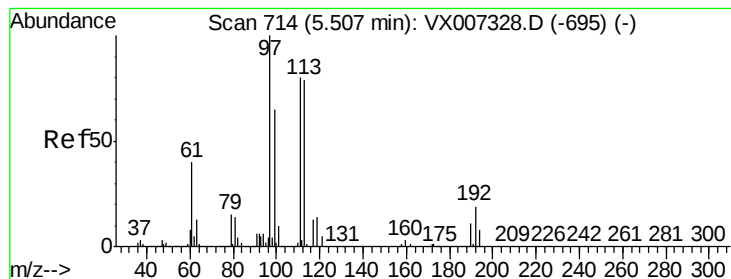


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.605 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

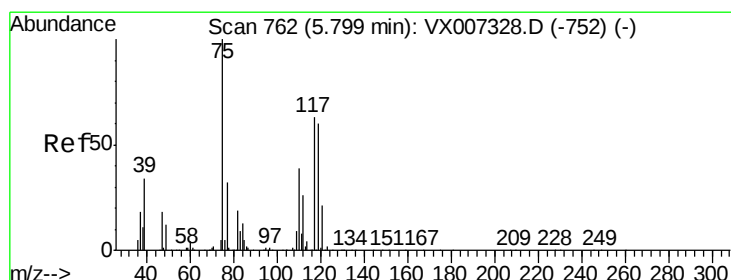
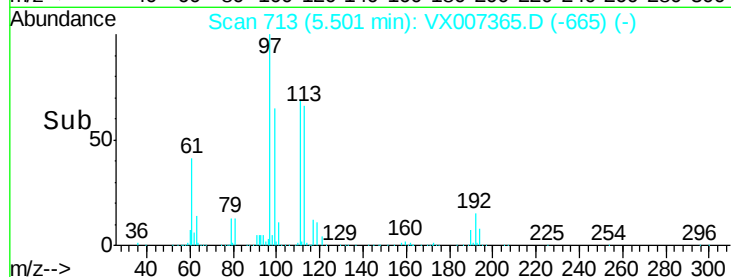
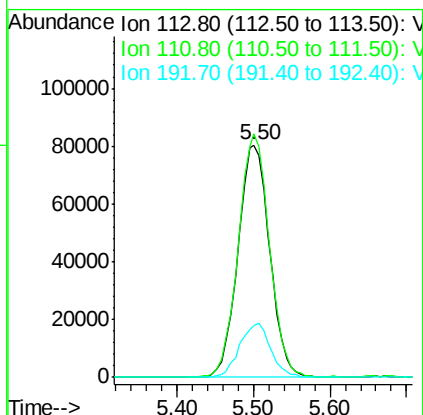
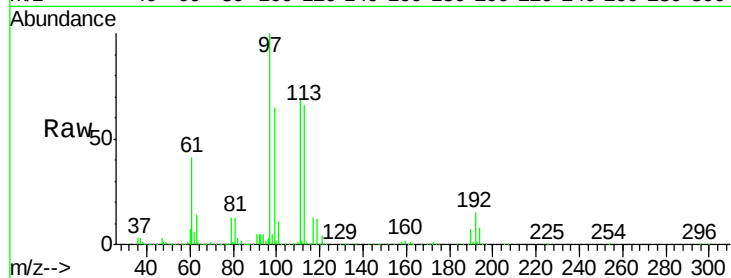
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	231102
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.8	122.8
192	22.8	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 54.020 ug/l

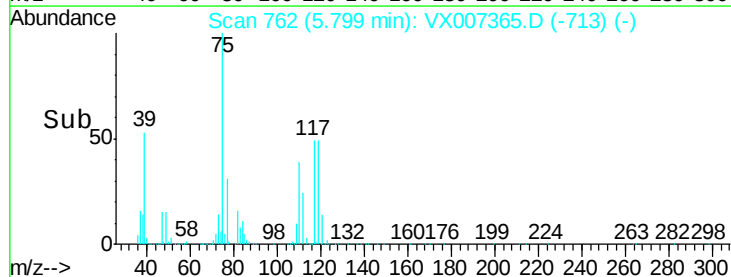
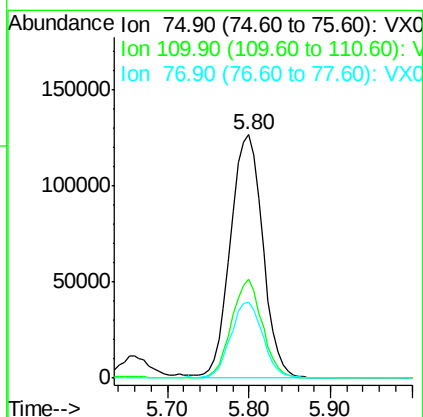
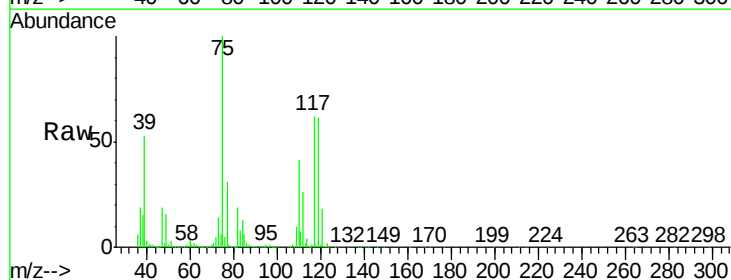
RT: 5.80 min Scan# 762

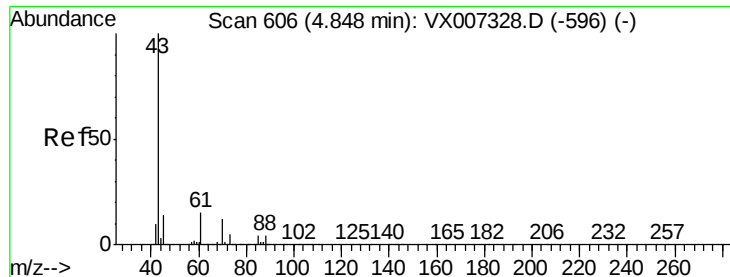
Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tgt Ion:	75	Resp:	347048
Ion Ratio	Lower	Upper	
75	100		
110	38.3	20.0	59.9
77	30.8	24.7	37.1





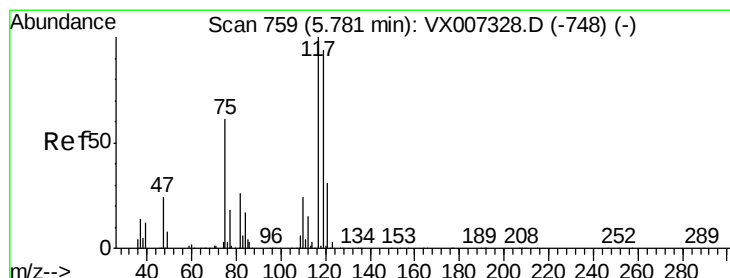
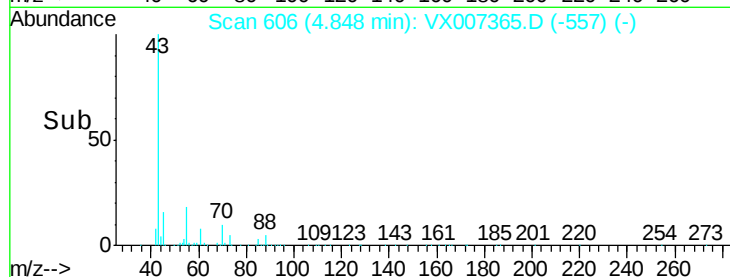
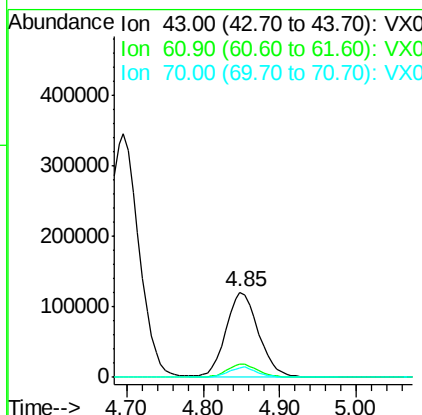
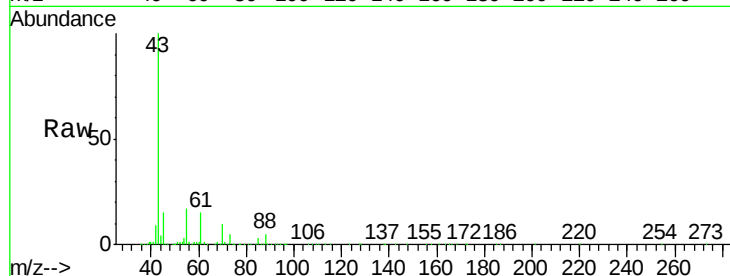
#37
Ethyl Acetate
Concen: 54.563 ug/l
RT: 4.85 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	354345
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.3	16.9
70	10.8	8.6	13.0

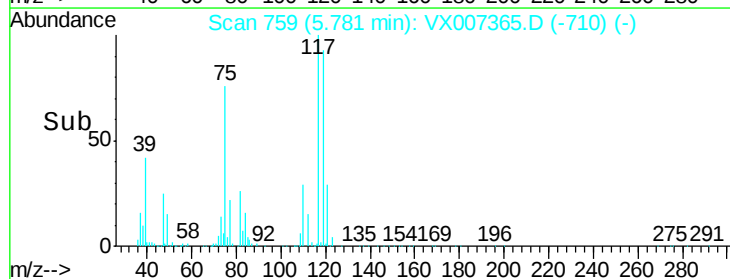
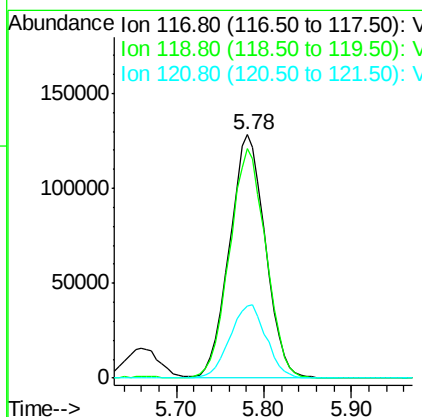
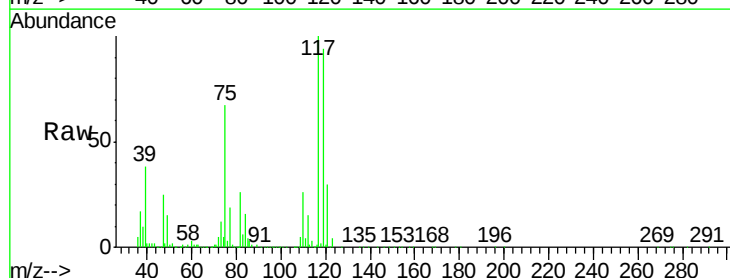
Manual Integrations
APPROVED

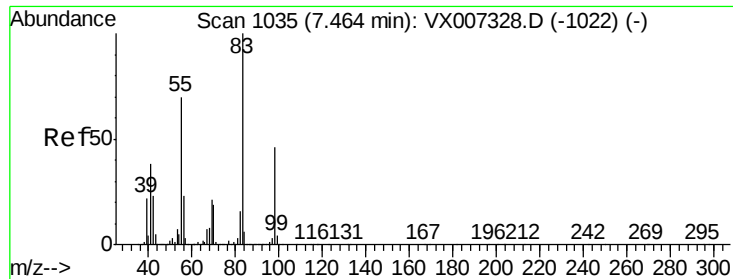
MMDadoda
2/6/2019 9:29:33 AM



#38
Carbon Tetrachloride
Concen: 58.552 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	117	Resp	364933
Ion Ratio	Lower	Upper	
117	100		
119	94.1	75.3	112.9
121	29.8	25.0	37.4





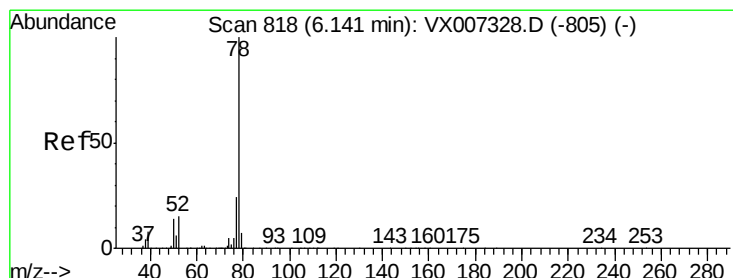
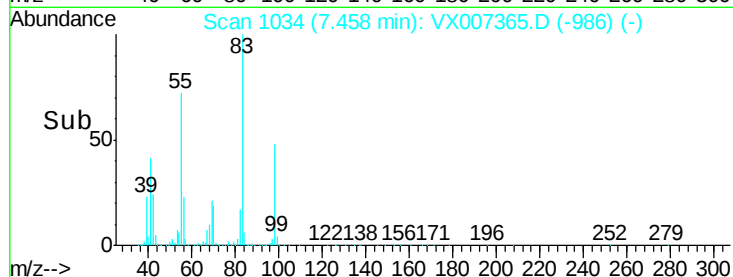
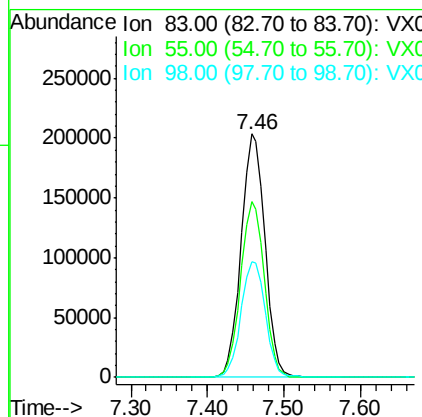
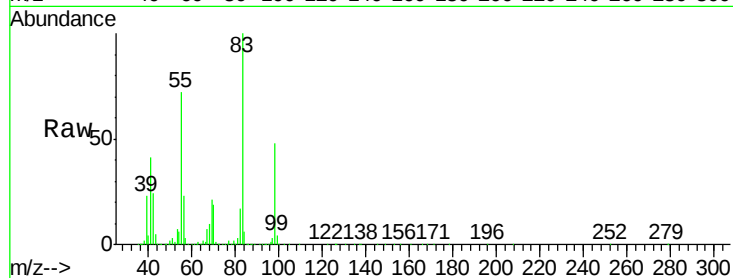
#39
Methvlcvclohexane
Concen: 56.598 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	56.2	84.2
98	47.6	36.8	55.2

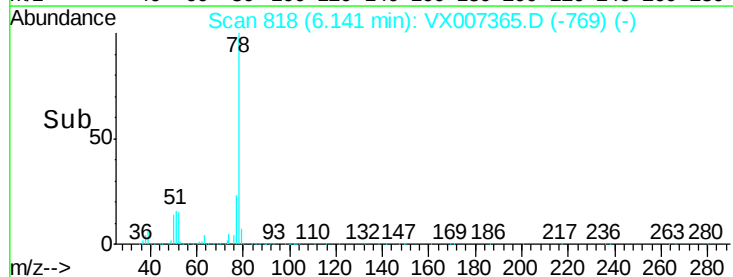
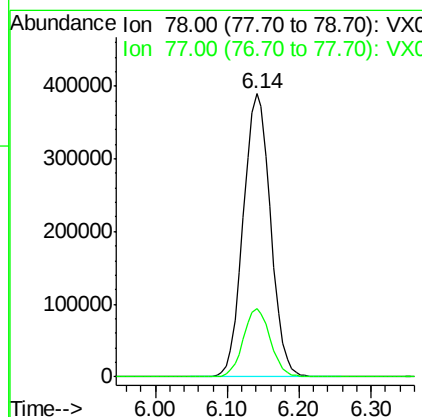
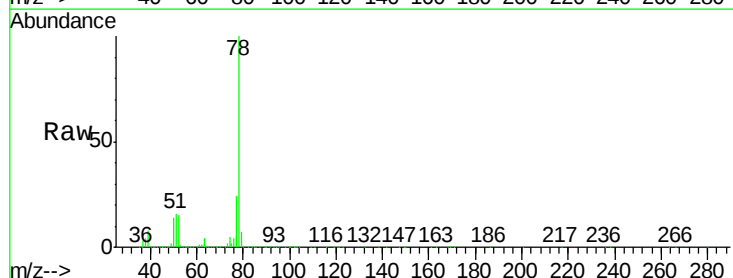
Manual Integrations
APPROVED

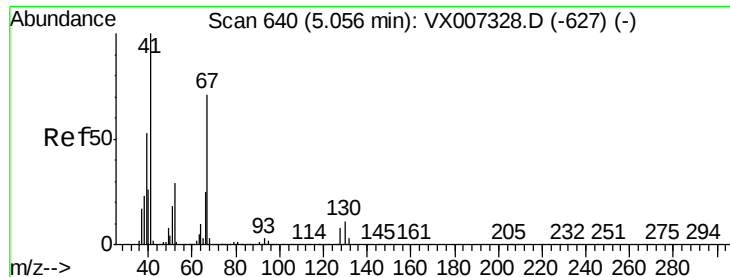
MMDadoda
2/6/2019 9:29:33 AM



#40
Benzene
Concen: 54.177 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





#41

Methacrylonitrile

Concen: 57.159 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

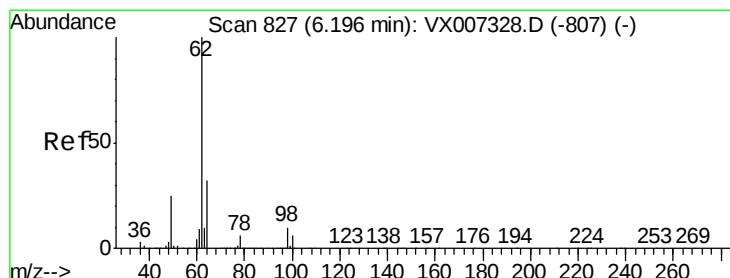
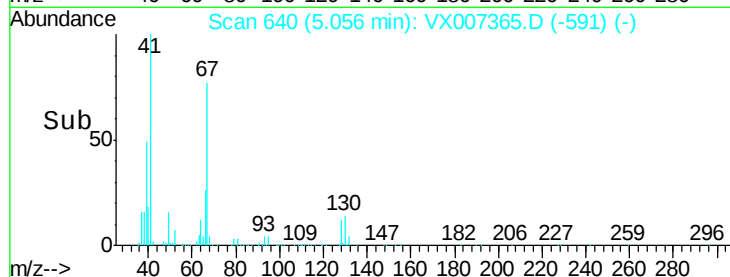
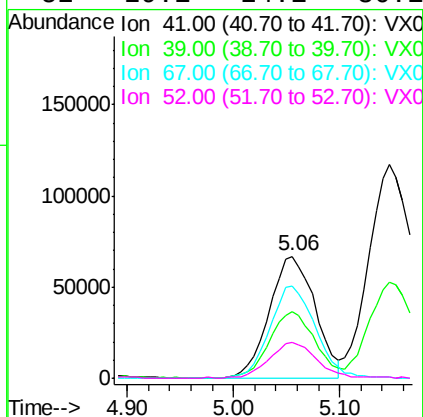
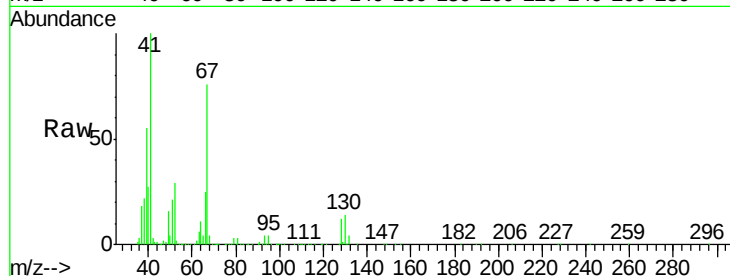
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		198948		
39	54.6	44.5	66.7		
67	75.3	60.4	90.6		
52	29.1	24.1	36.1		

Manual Integrations
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2/6/2019 9:29:33 AM



#42

1,2-Dichloroethane

Concen: 53.136 ug/l

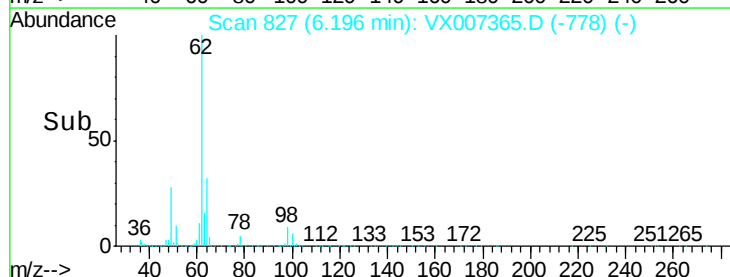
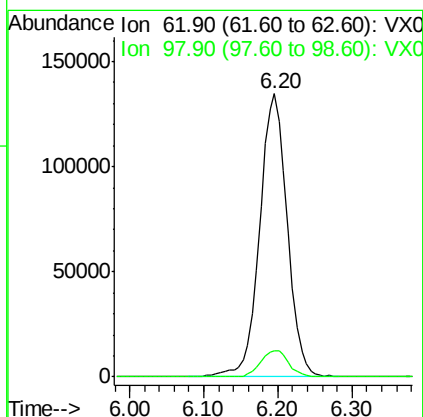
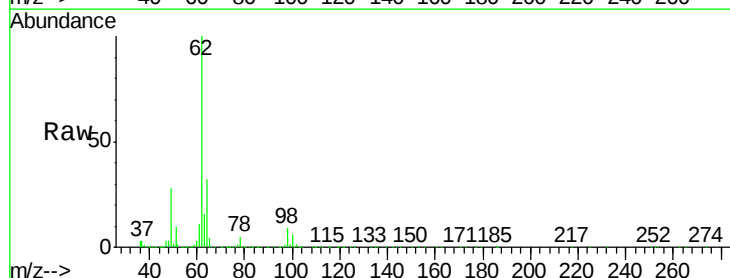
RT: 6.20 min Scan# 827

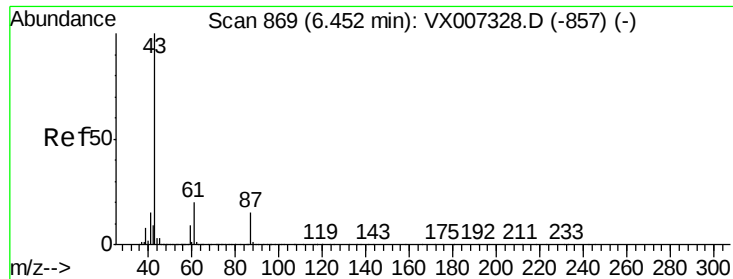
Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		347921		
98	9.6	0.0	19.0		





#43

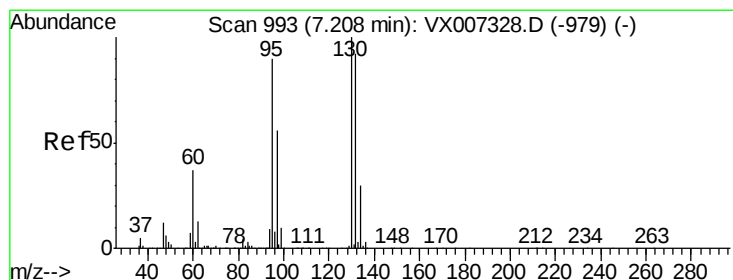
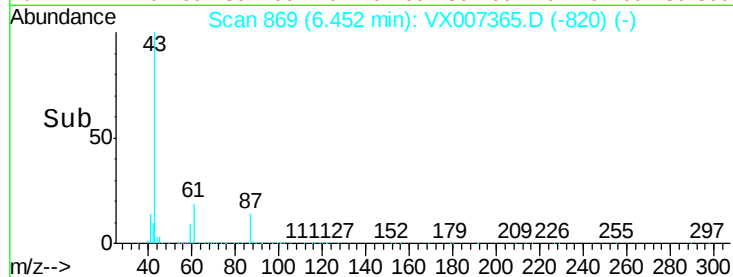
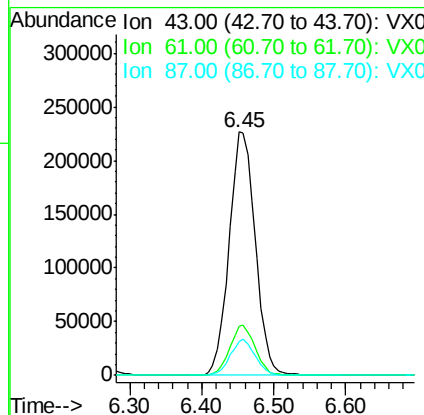
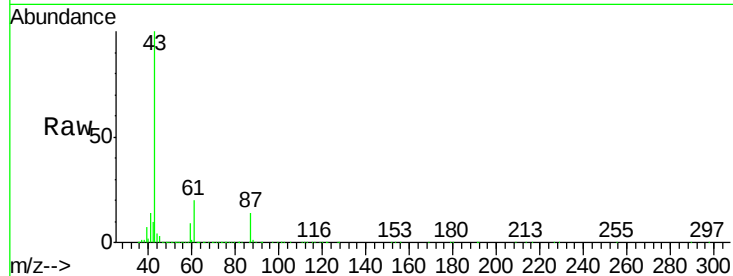
Isopropyl Acetate
 Concen: 56.954 ug/l
 RT: 6.45 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX007365.D
 Acq: 05 Feb 2019 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.1	24.1
87	14.3	11.5	17.3

Manual Integrations
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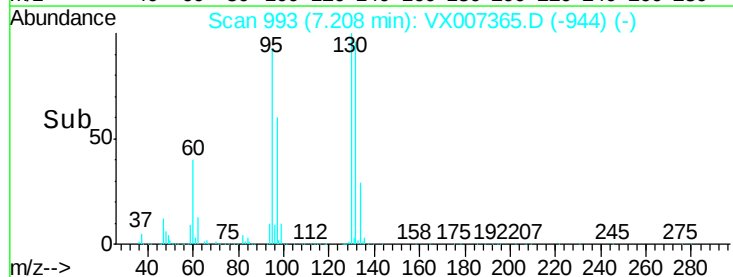
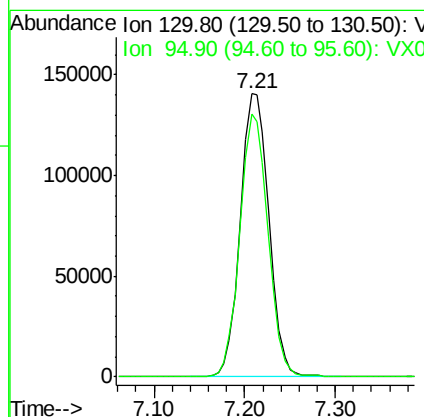
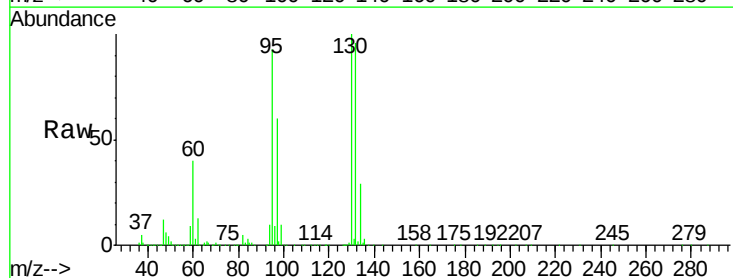
MMDadoda
 2/6/2019 9:29:33 AM

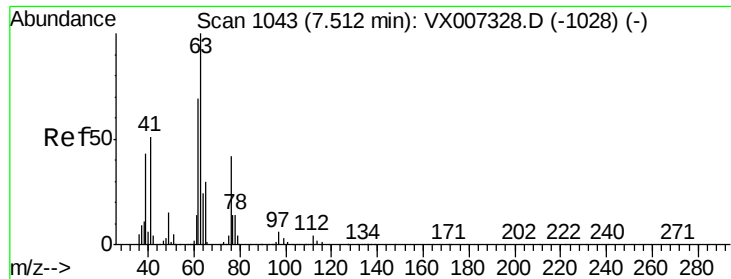


#44

Trichloroethene
 Concen: 54.090 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX007365.D
 Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	180.0





#45

1,2-Dichloropropane

Concen: 54.570 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 258748

Ion Ratio Lower Upper

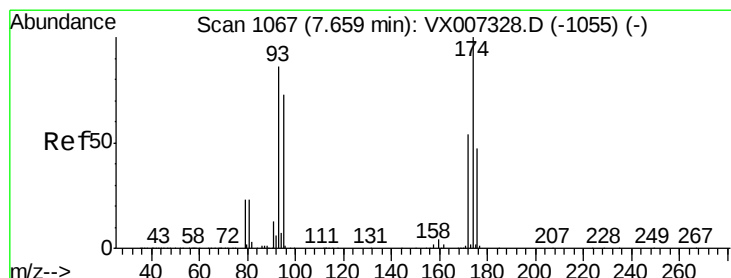
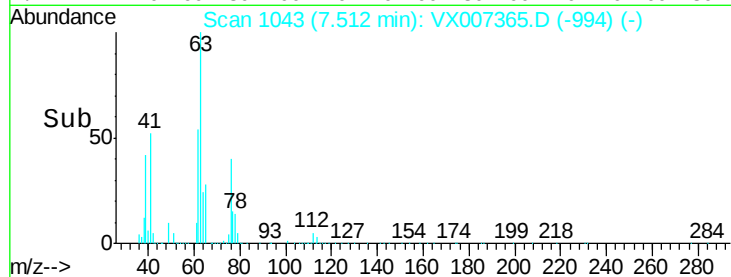
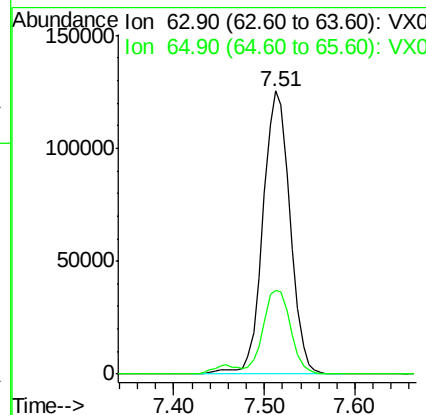
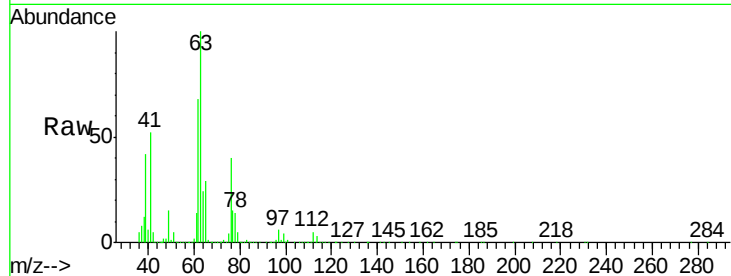
63 100

65 29.3 24.2 36.2

Manual Integrations
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2/6/2019 9:29:33 AM



#46

Dibromomethane

Concen: 52.724 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

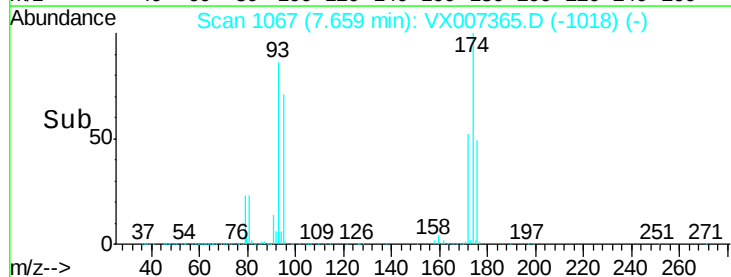
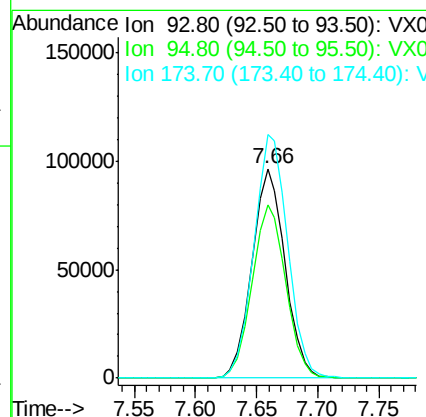
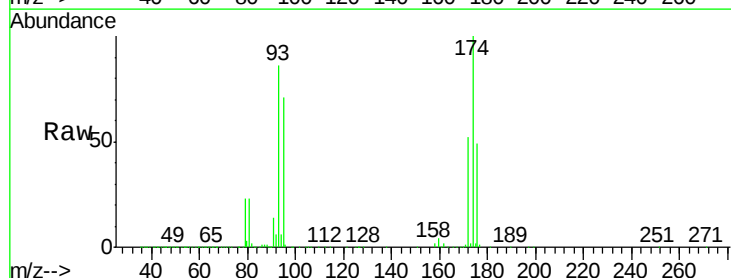
Tgt Ion: 93 Resp: 181697

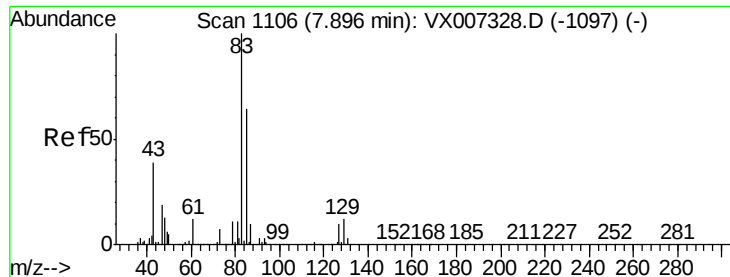
Ion Ratio Lower Upper

93 100

95 83.8 67.6 101.4

174 119.2 94.2 141.4





#47

Bromodichloromethane

Concen: 57.801 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

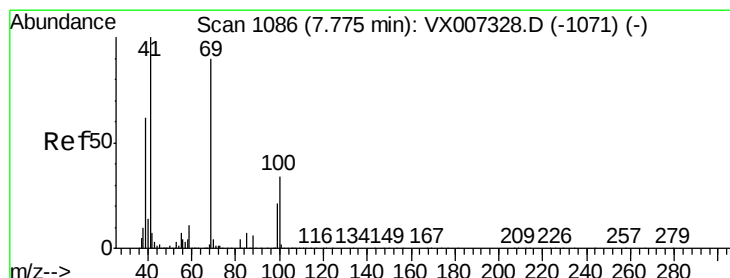
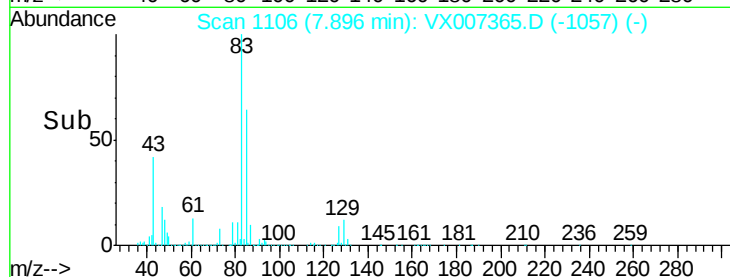
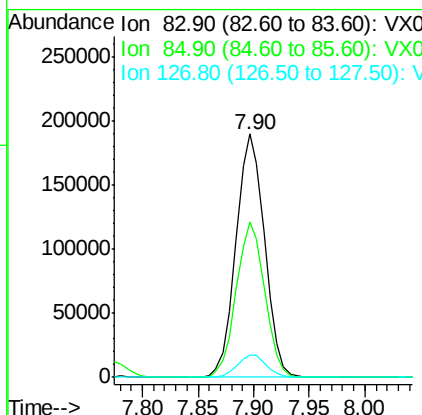
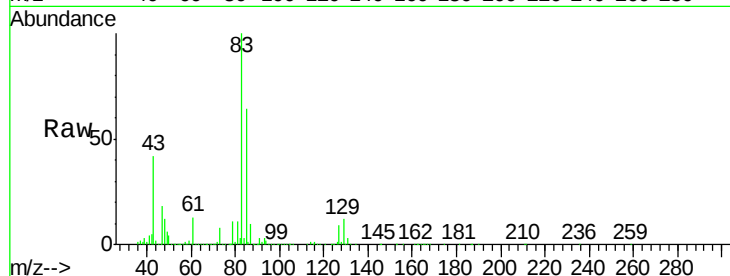
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	337588
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.4	77.0
127	8.9	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 58.850 ug/l

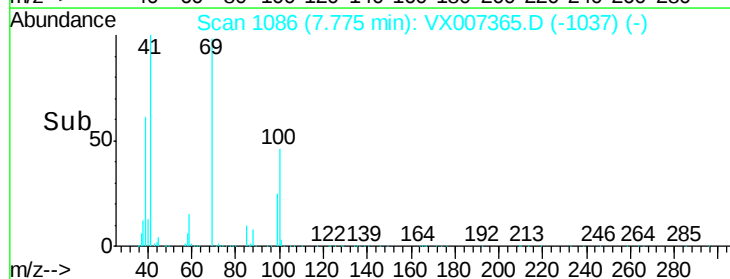
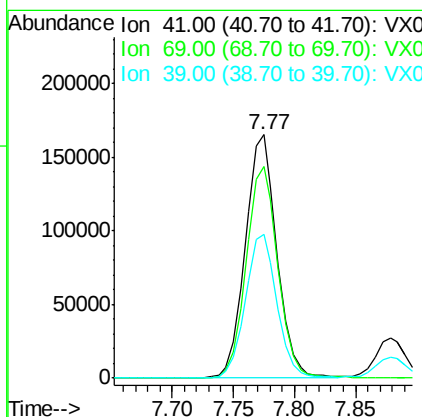
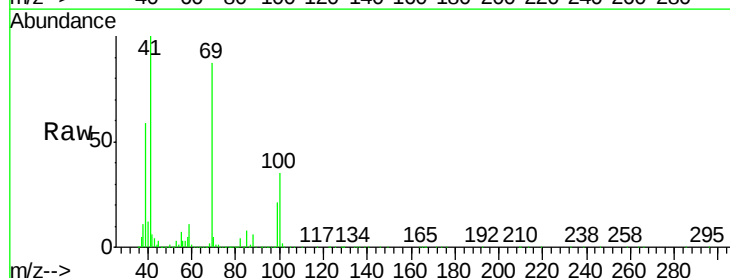
RT: 7.77 min Scan# 1086

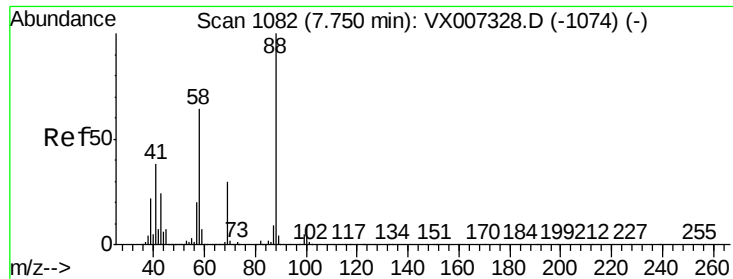
Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tgt Ion:	41	Resp:	295073
Ion Ratio	Lower	Upper	
41	100		
69	87.8	70.2	105.4
39	59.1	47.4	71.0





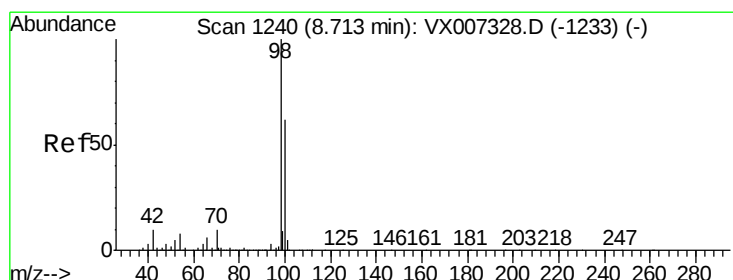
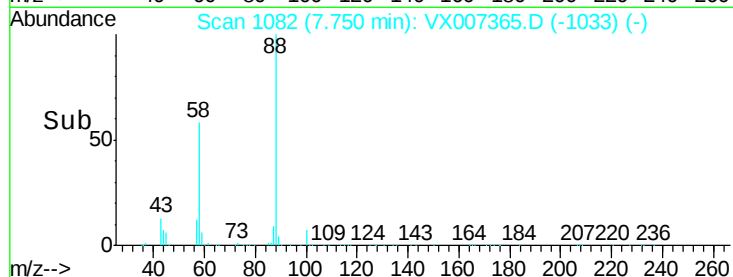
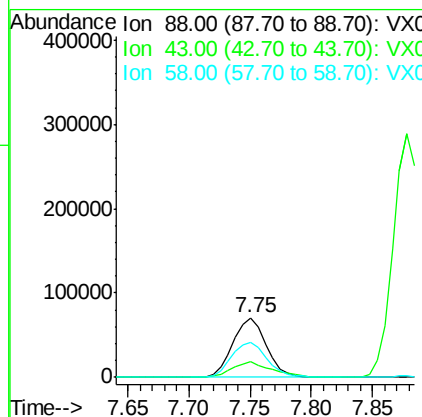
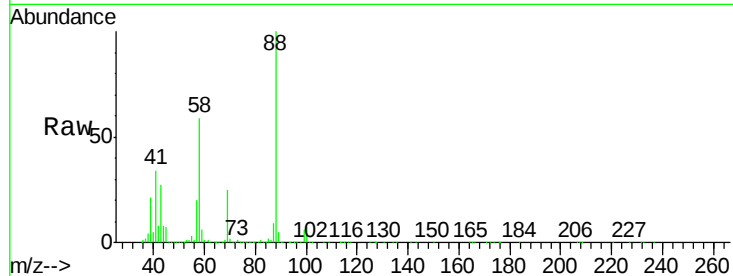
#49
1,4-Dioxane
Concen: 1168.706 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	88	Resp:	133397
Ion	Ratio	Lower	Upper
88	100		
43	31.6	24.2	36.4
58	63.9	53.0	79.4

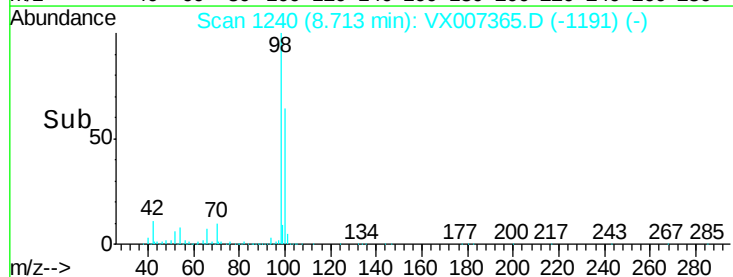
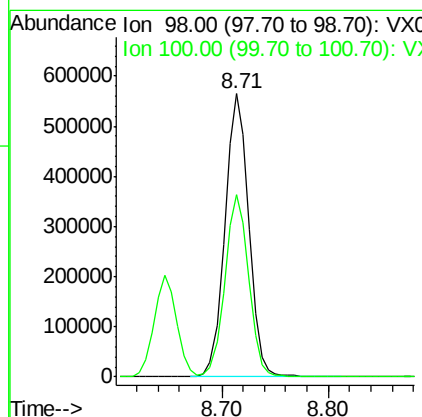
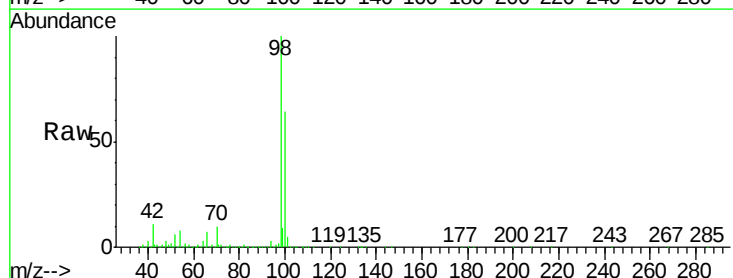
Manual Integrations
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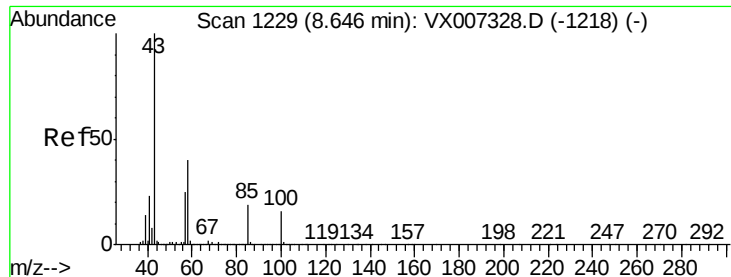
MMDadoda
2/6/2019 9:29:33 AM



#50
Toluene-d8
Concen: 50.992 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion:	98	Resp:	881401
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 285.946 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1886914

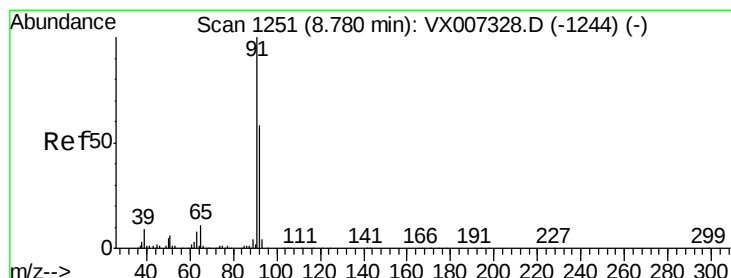
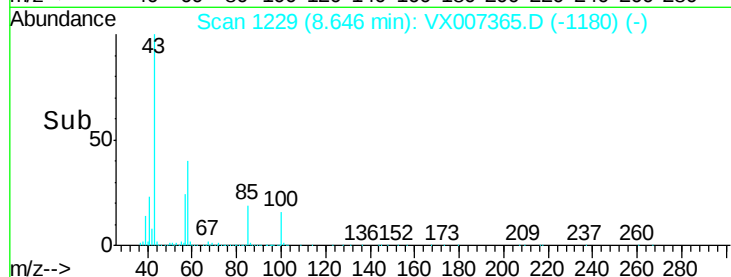
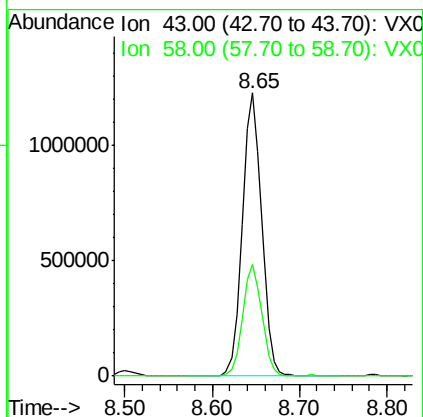
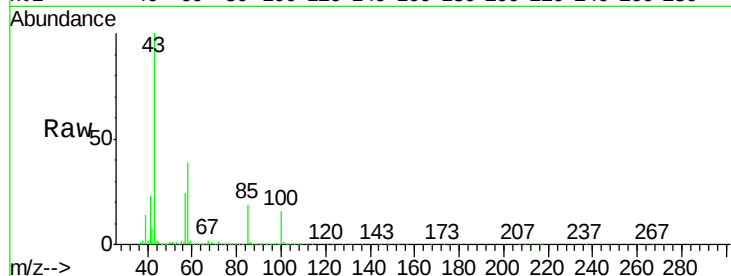
Ion Ratio Lower Upper

43 100

58 38.9 31.2 46.8

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#52

Toluene

Concen: 54.712 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007365.D

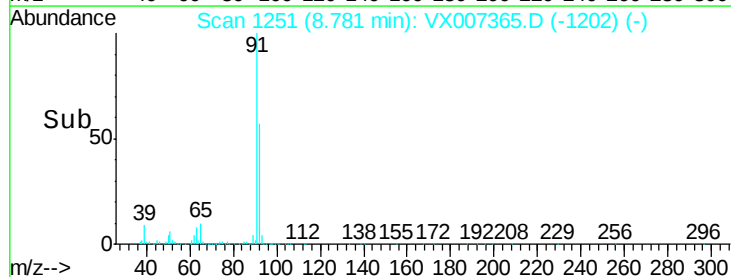
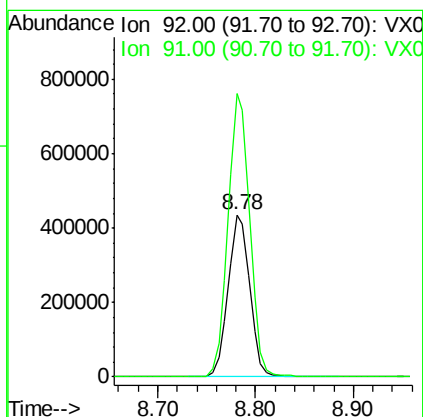
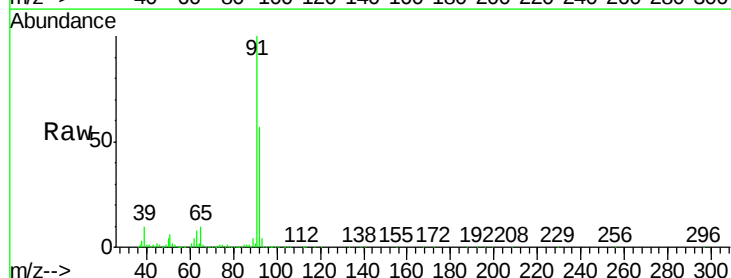
Acq: 05 Feb 2019 09:44

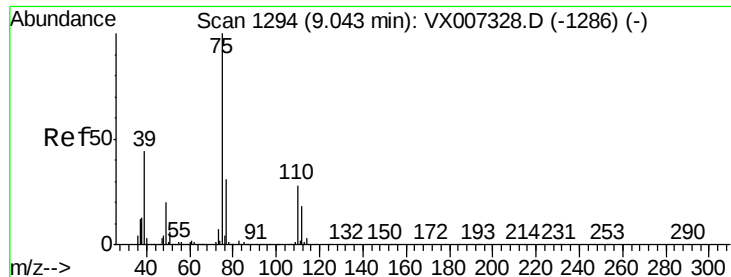
Tgt Ion: 92 Resp: 668016

Ion Ratio Lower Upper

92 100

91 175.5 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 60.960 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 382436

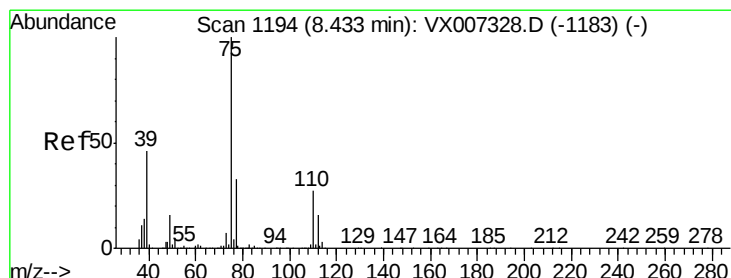
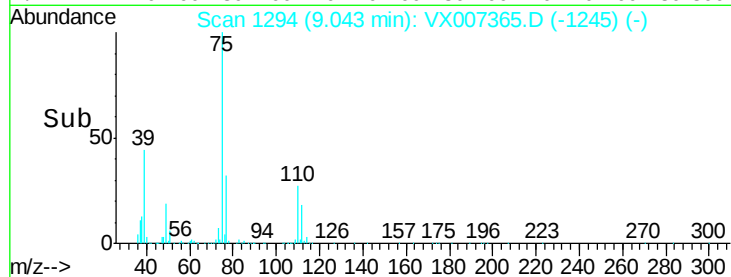
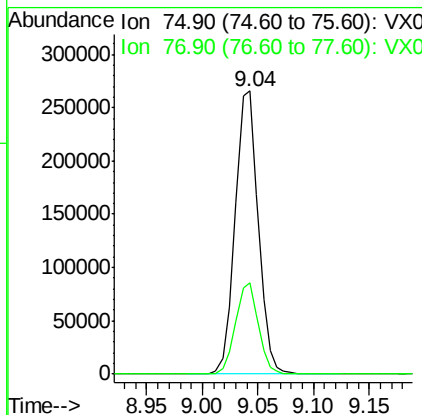
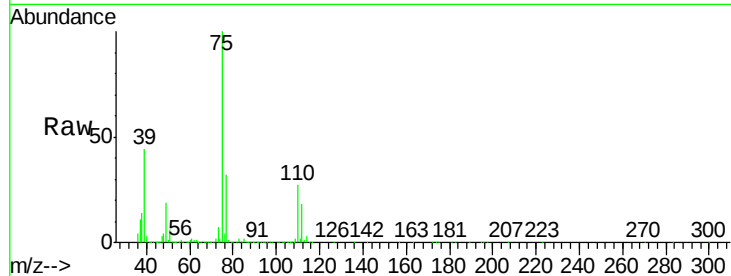
Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 59.151 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

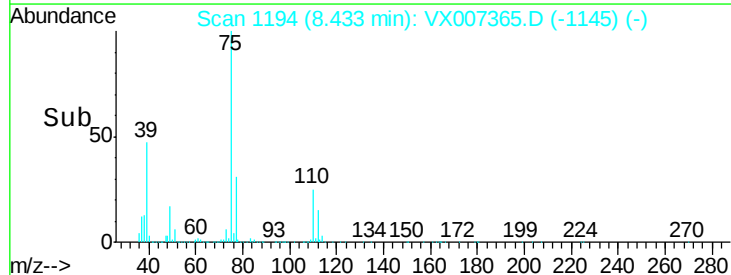
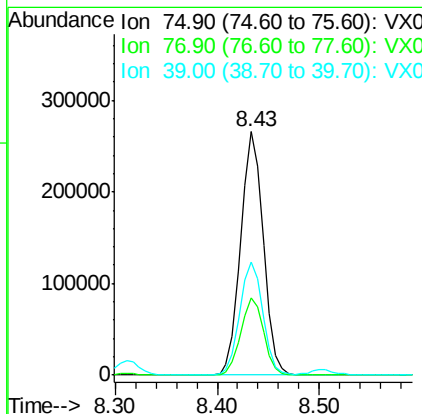
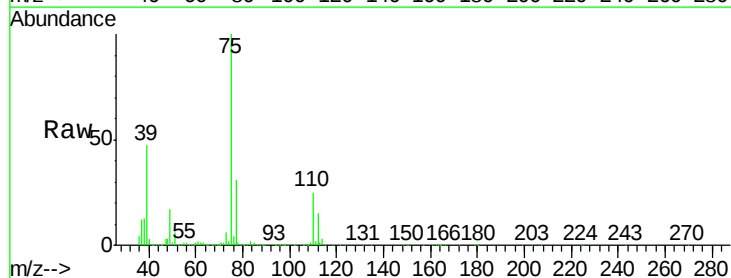
Tgt Ion: 75 Resp: 408083

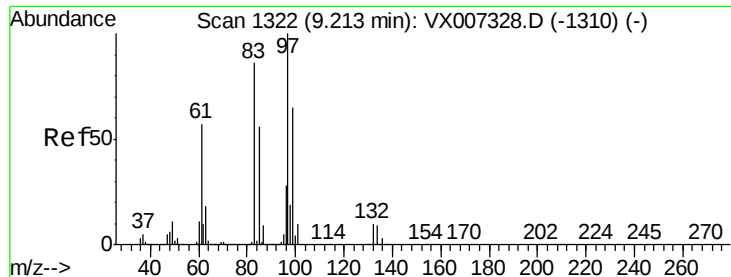
Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.4

39 46.6 37.1 55.7





#55

1,1,2-Trichloroethane

Concen: 54.500 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

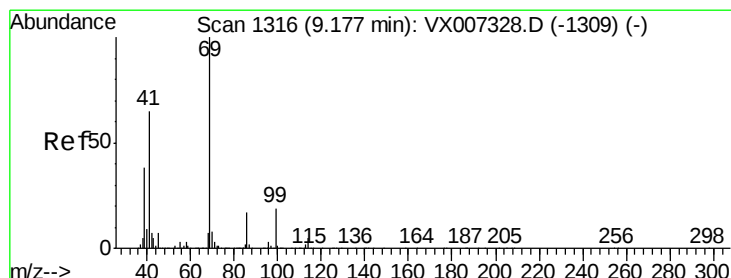
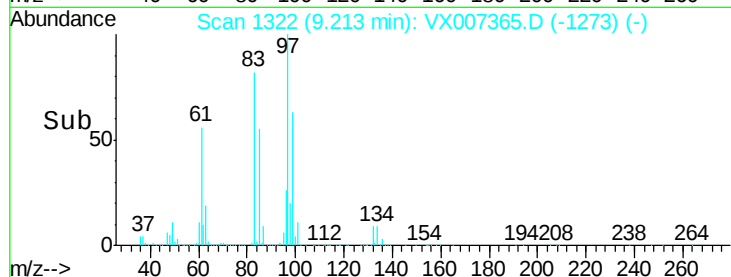
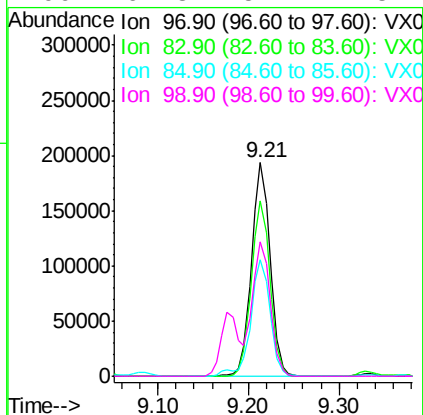
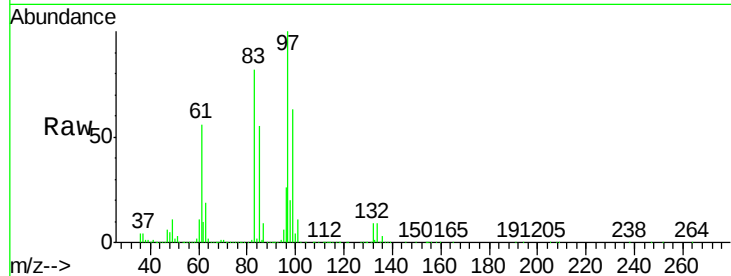
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		277381		
83	81.9	68.6	102.8		
85	54.5	44.5	66.7		
99	62.8	52.2	78.4		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 56.775 ug/l

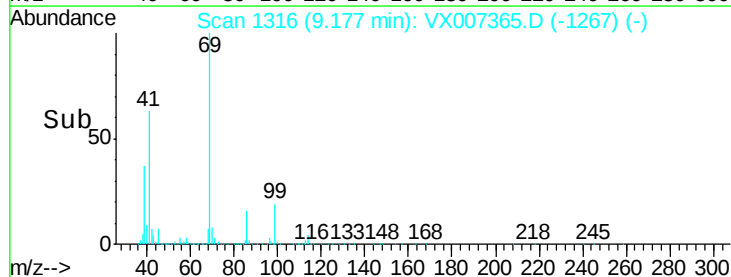
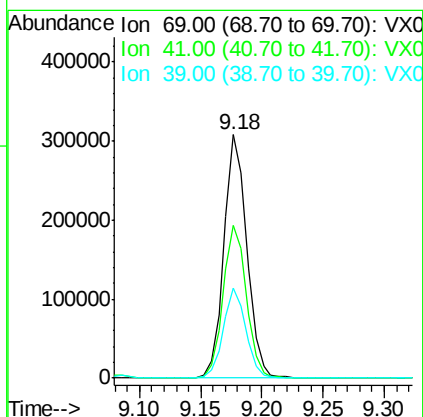
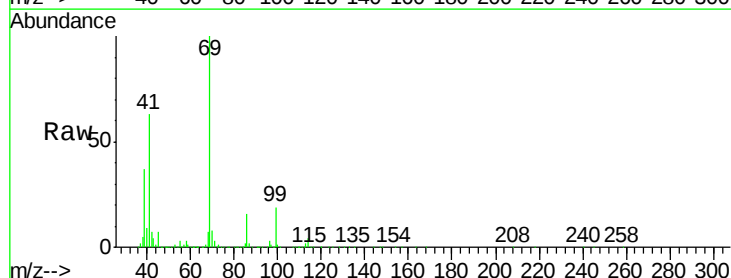
RT: 9.18 min Scan# 1316

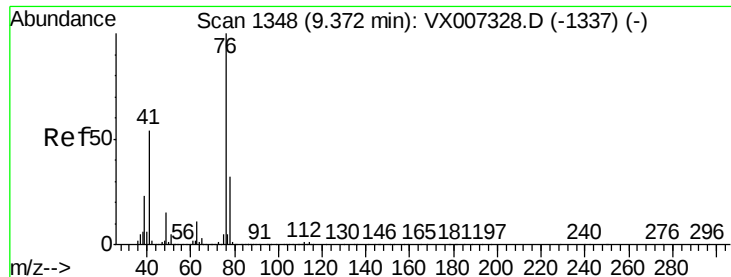
Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		400211		
41	63.7	52.1	78.1		
39	36.5	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 54.644 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 442285

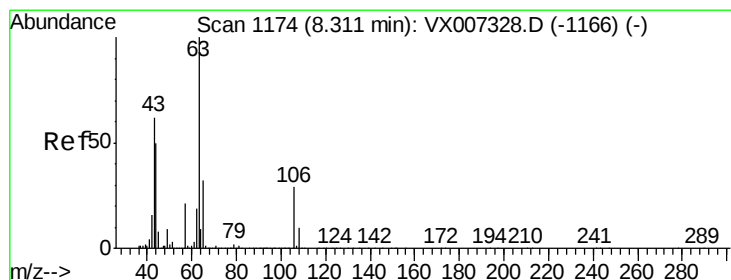
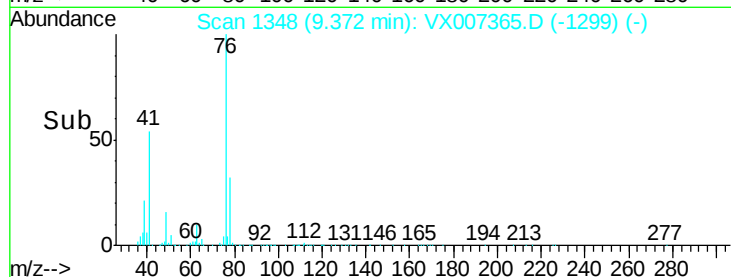
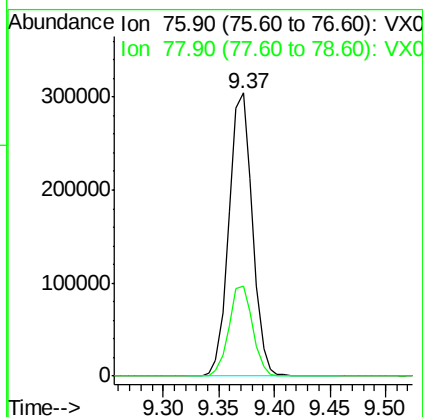
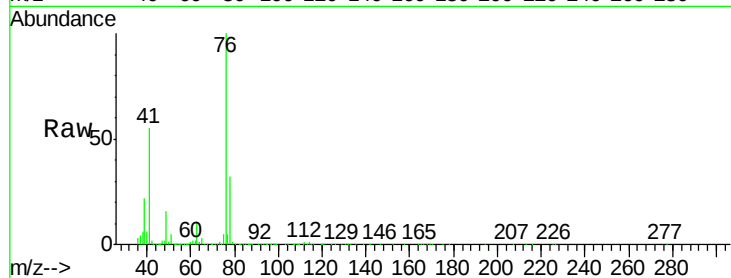
Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8

Manual Integrations
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2/6/2019 9:29:33 AM



#58

2-Chloroethyl Vinyl ether

Concen: 319.758 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007365.D

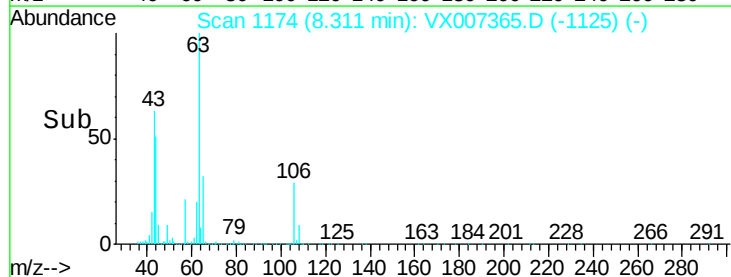
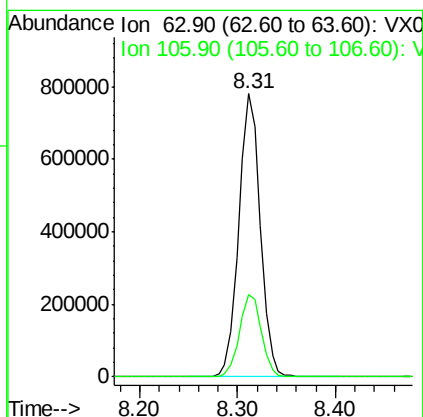
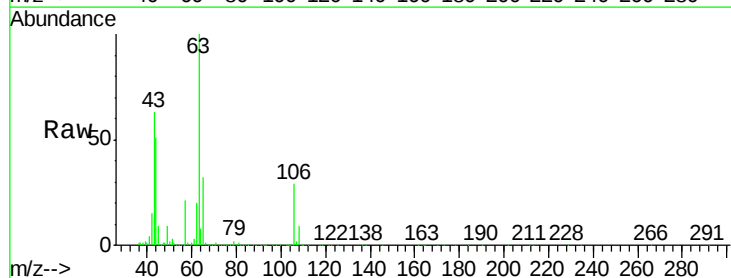
Acq: 05 Feb 2019 09:44

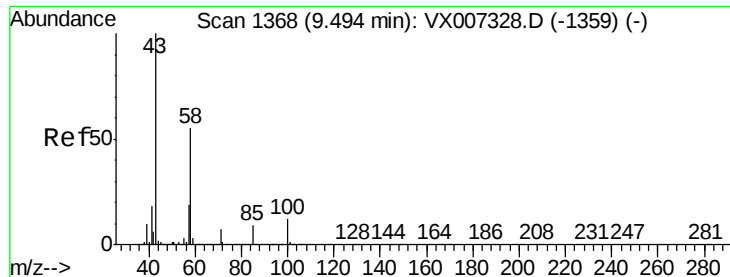
Tgt Ion: 63 Resp: 1188046

Ion Ratio Lower Upper

63 100

106 29.6 23.6 35.4





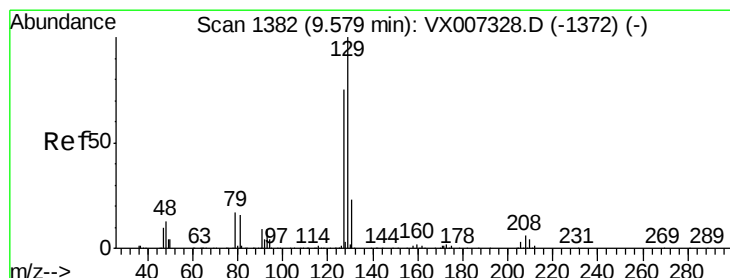
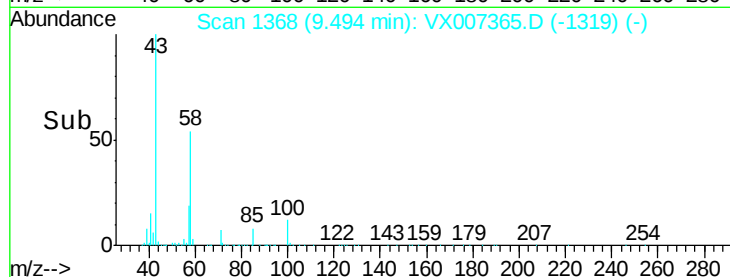
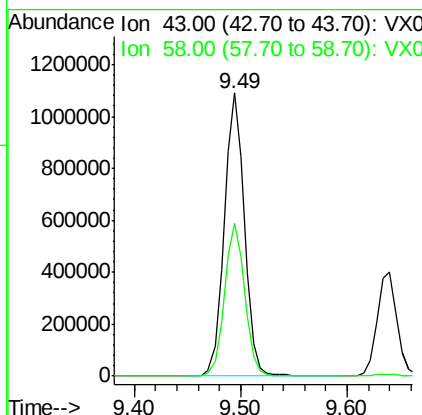
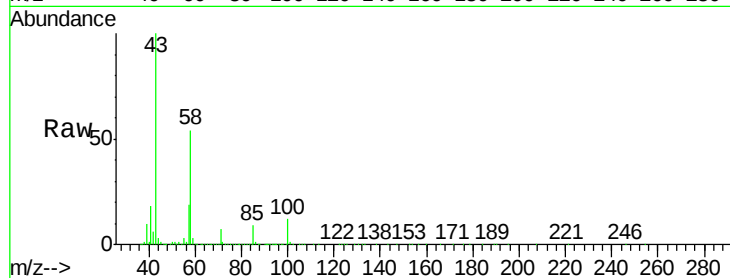
#59
2-Hexanone
Concen: 281.424 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1445113
Ion Ratio Lower Upper
43 100
58 54.1 27.1 81.3

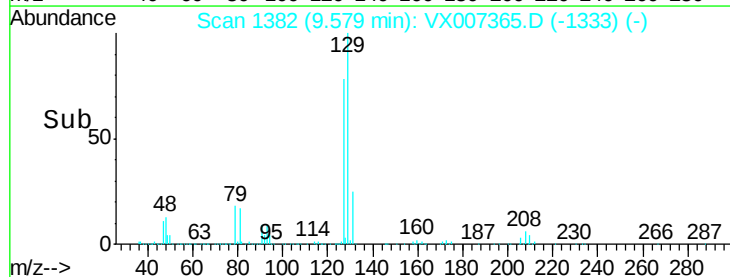
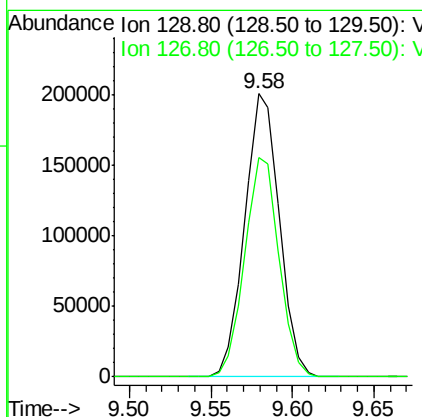
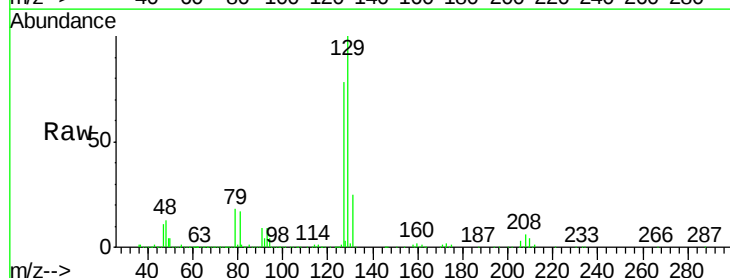
Manual Integrations
APPROVED

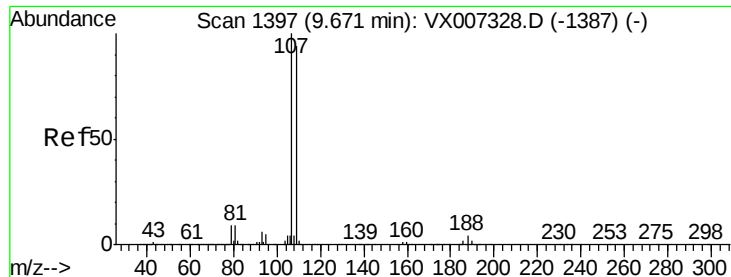
MMDadoda
2/6/2019 9:29:33 AM



#60
Dibromochloromethane
Concen: 61.848 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion: 129 Resp: 297709
Ion Ratio Lower Upper
129 100
127 76.9 37.8 113.4





#61

1,2-Dibromoethane

Concen: 55.538 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 299343

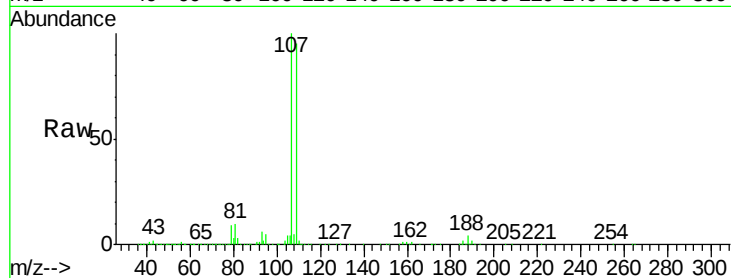
Ion Ratio Lower Upper

107 100

109 95.9 75.1 112.7

Manual Integrations
APPROVED

MMDadoda
2/6/2019 9:29:33 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

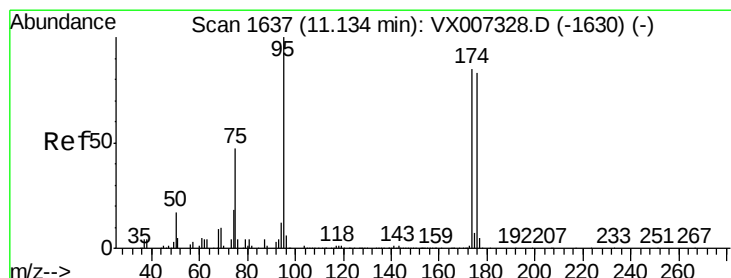
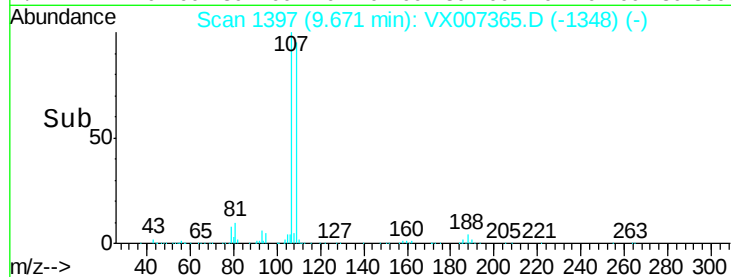
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.978 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

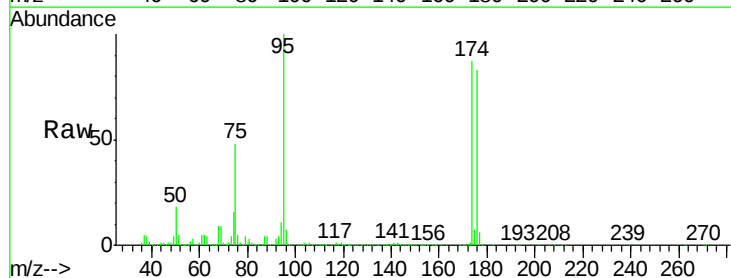
Tgt Ion: 95 Resp: 321715

Ion Ratio Lower Upper

95 100

174 93.9 0.0 189.2

176 91.2 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

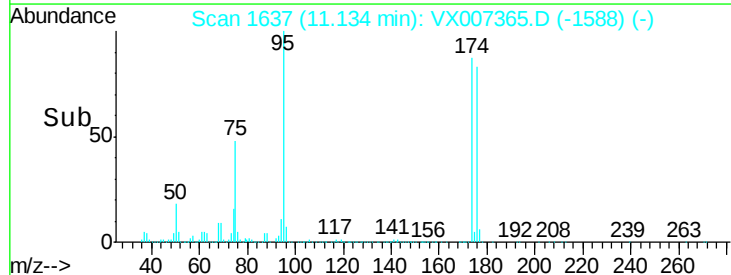
300000

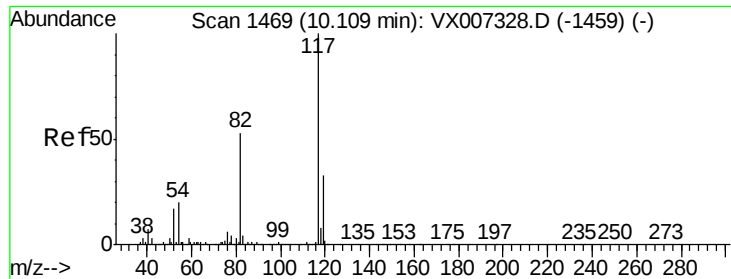
200000

100000

0

Time-->





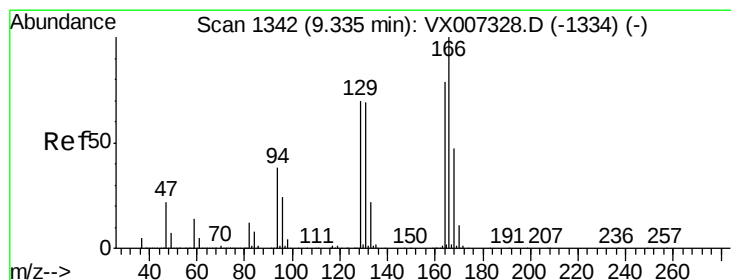
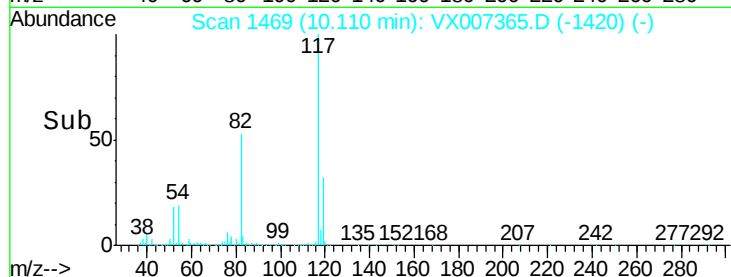
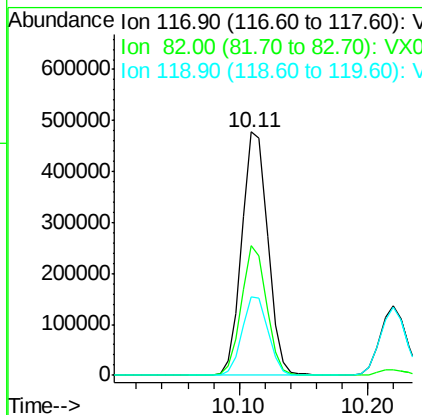
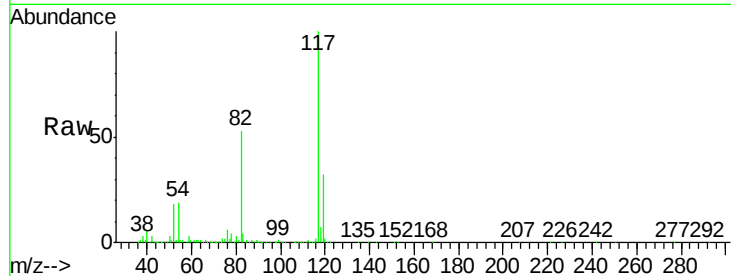
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.1	63.1
119	32.4	26.5	39.7

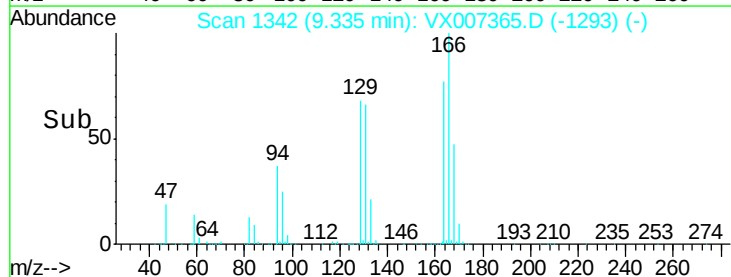
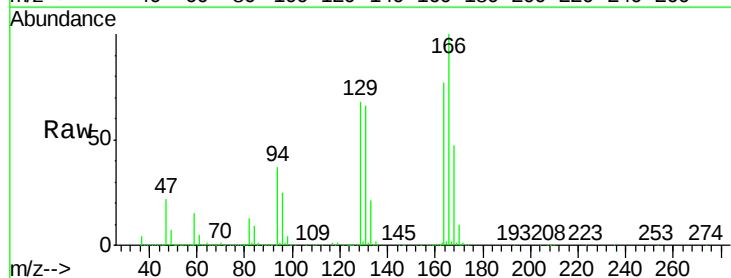
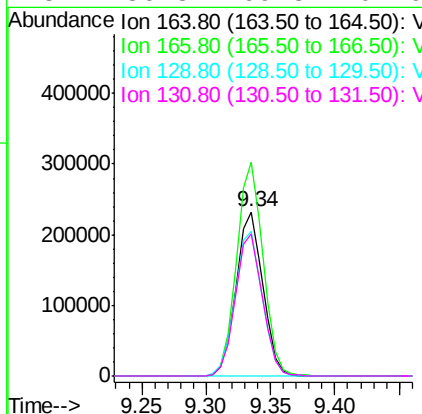
Manual Integrations
APPROVED

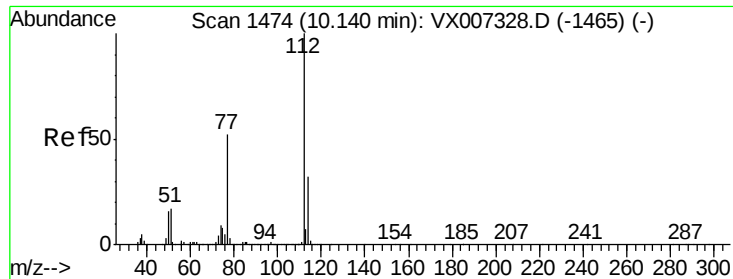
MMDadoda
2/6/2019 9:29:33 AM



#64
Tetrachloroethene
Concen: 53.198 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	101.0	151.4
129	88.0	70.5	105.7
131	86.3	69.8	104.6





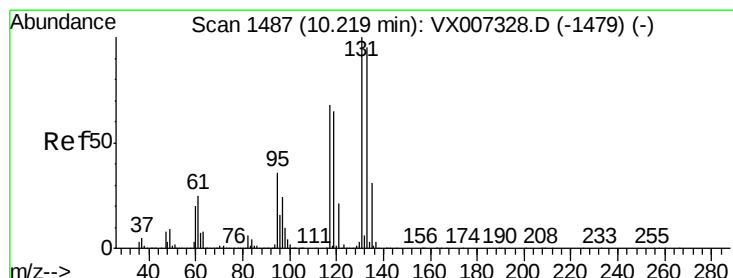
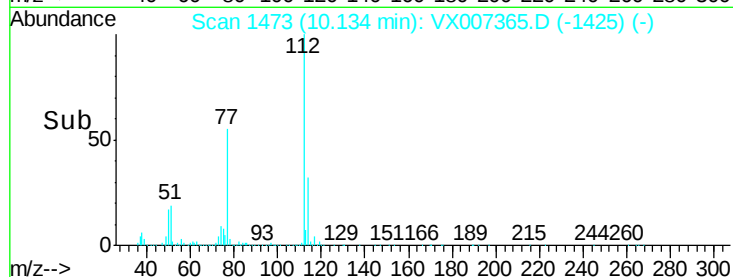
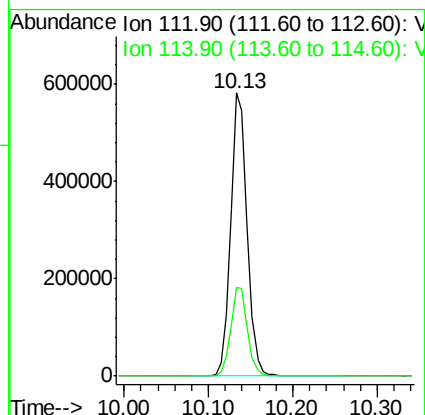
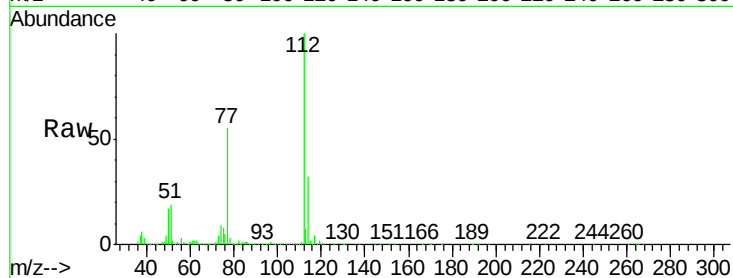
#65
Chlorobenzene
Concen: 53.339 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.6

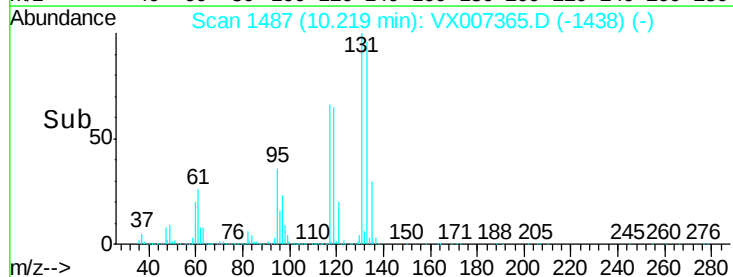
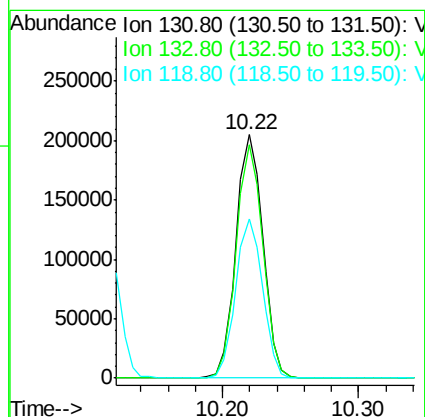
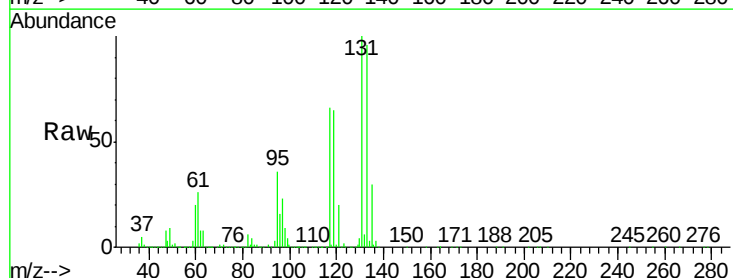
Manual Integrations
APPROVED

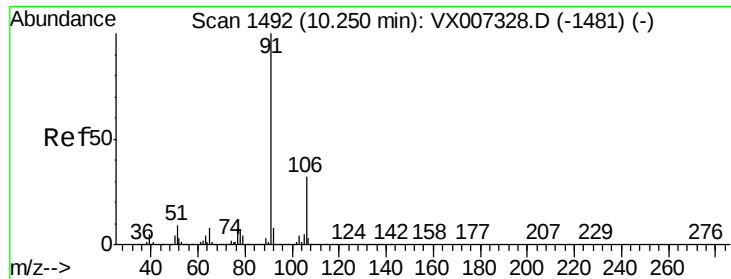
MMDadoda
2/6/2019 9:29:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.901 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.0	144.2
119	65.4	32.0	96.0





#67

Ethyl Benzene

Concen: 55.115 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1294440

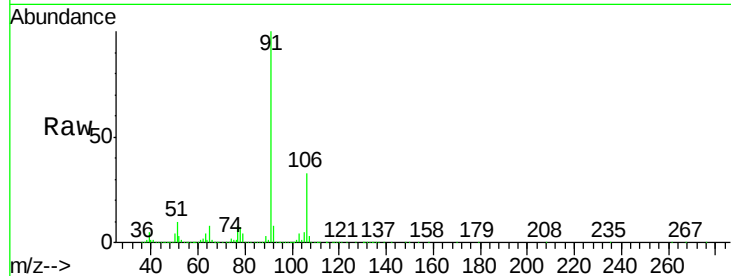
Ion Ratio Lower Upper

91 100

106 32.5 25.4 38.0

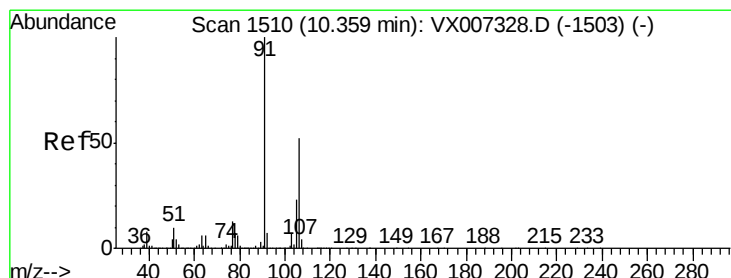
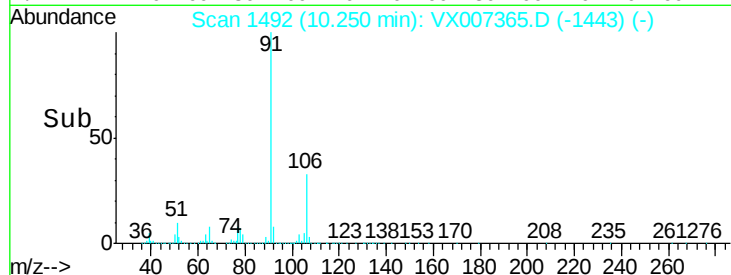
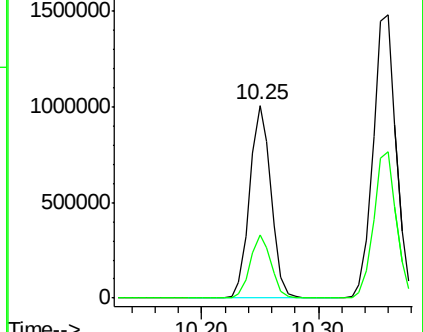
Manual Integrations
APPROVED

MMDadoda
2/6/2019 9:29:33 AM



Abundance Ion 91.00 (90.70 to 91.70): VX007328.D (-1481) (-)

Ion 106.00 (105.70 to 106.70): VX007328.D (-1481) (-)



#68

m/p-Xylenes

Concen: 110.797 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007365.D

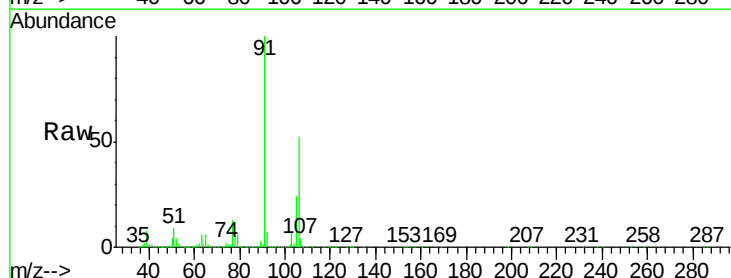
Acq: 05 Feb 2019 09:44

Tgt Ion: 106 Resp: 1034410

Ion Ratio Lower Upper

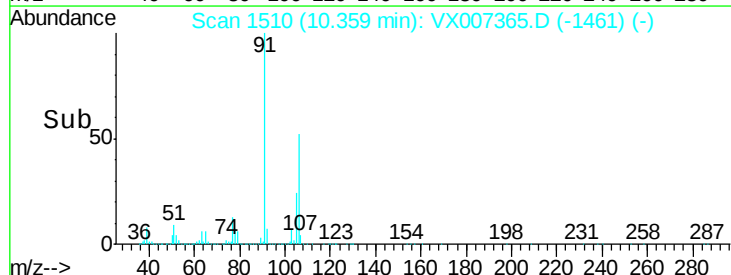
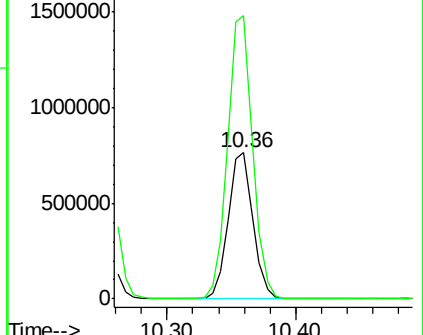
106 100

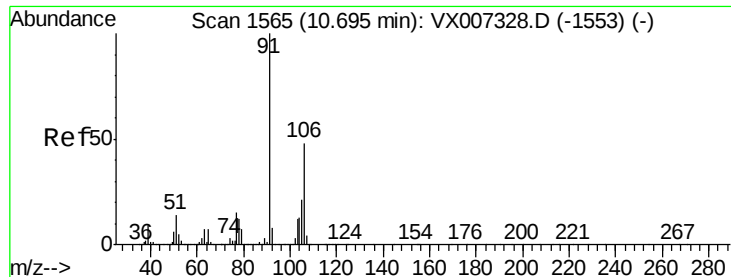
91 195.4 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): VX007328.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX007328.D (-1503) (-)





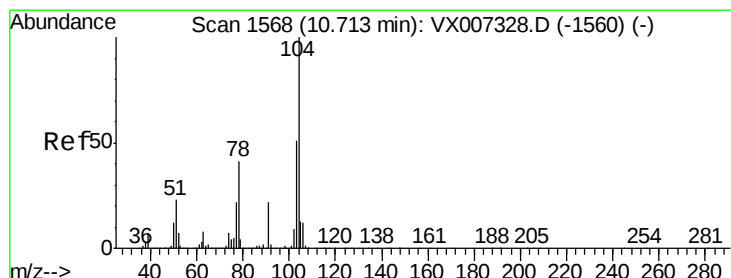
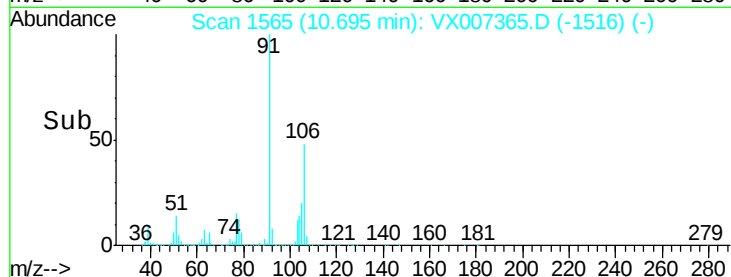
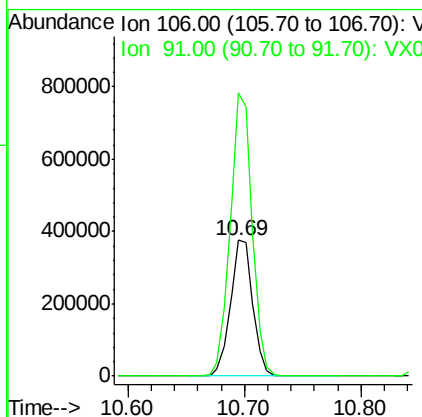
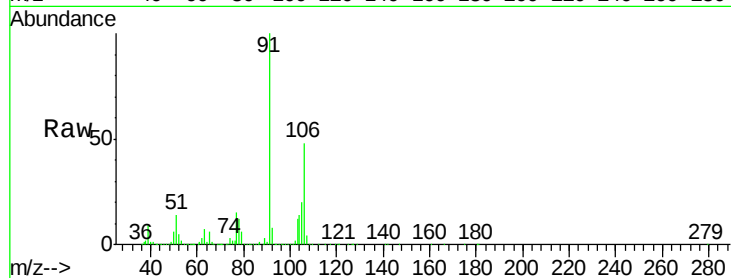
#69
o-Xylene
Concen: 55.534 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.7	102.9	308.7	

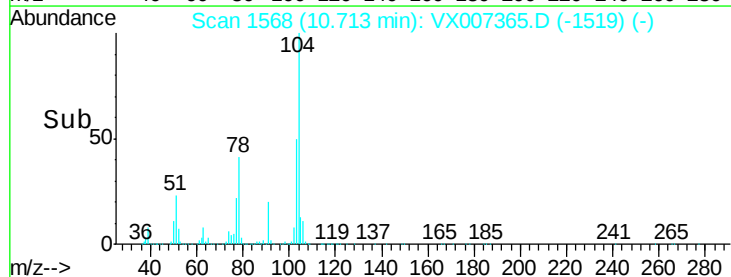
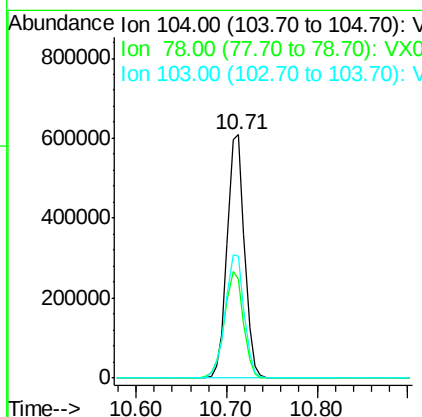
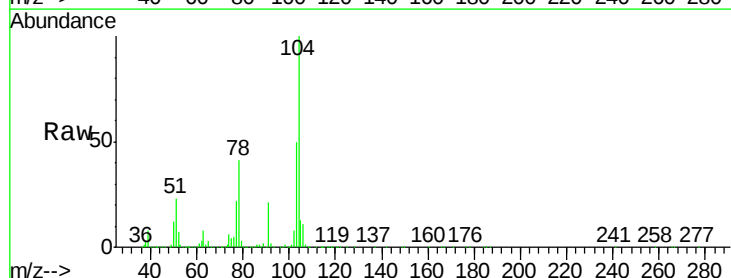
Manual Integrations
APPROVED

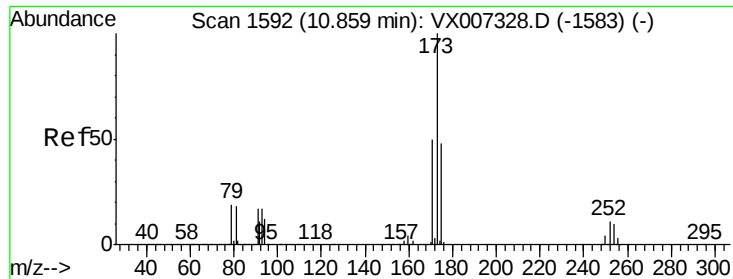
MMDadoda
2/6/2019 9:29:33 AM



#70
Styrene
Concen: 55.765 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.1	38.3	57.5	
103	55.3	44.6	67.0	





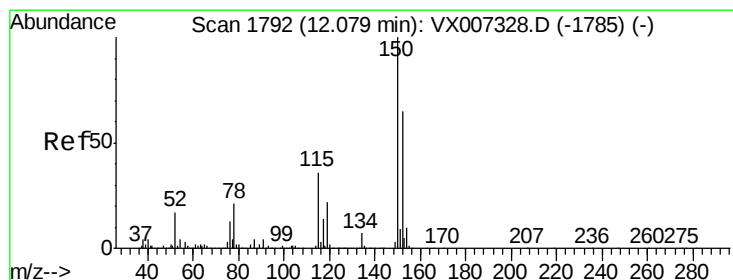
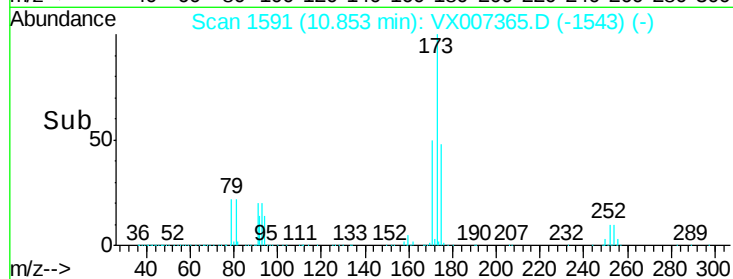
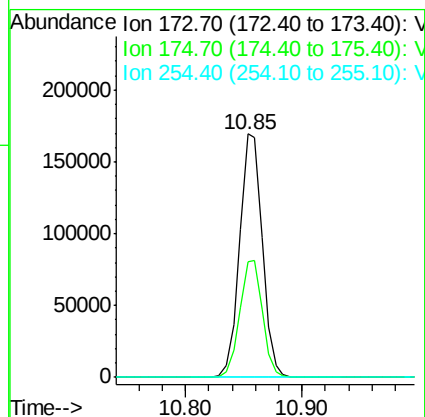
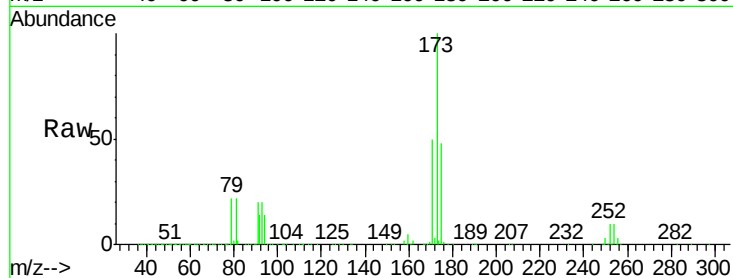
#71
Bromoform
Concen: 53.307 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.2	72.6
254	0.2	0.2	0.2

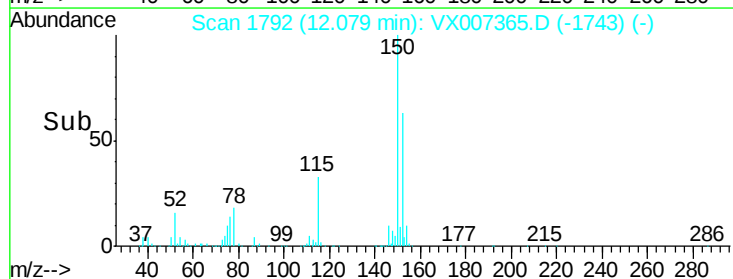
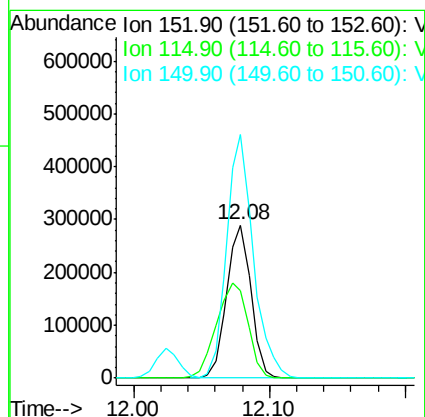
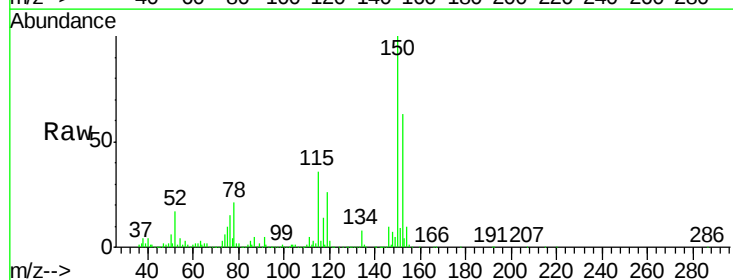
Manual Integrations
APPROVED

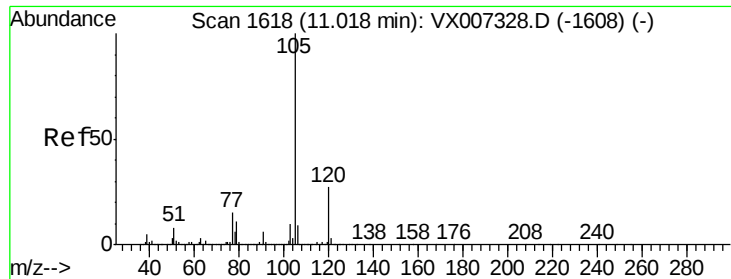
MMDadoda
2/6/2019 9:29:33 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.4	38.0	114.0
150	174.8	0.0	346.4





#73

Isopropylbenzene

Concen: 55.002 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1337419

Ion Ratio Lower Upper

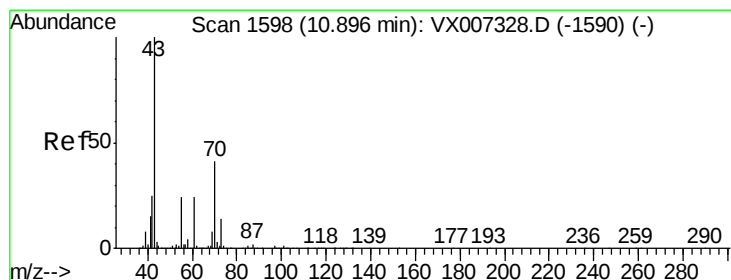
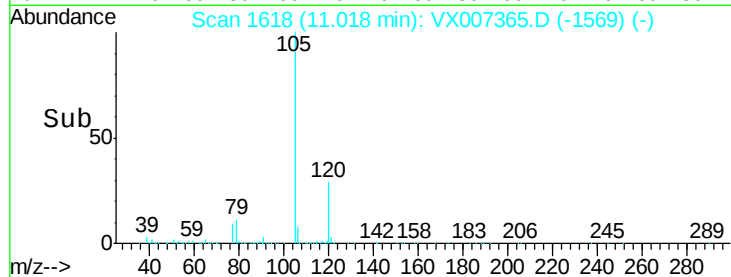
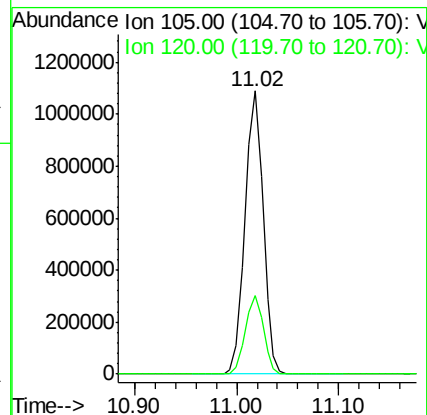
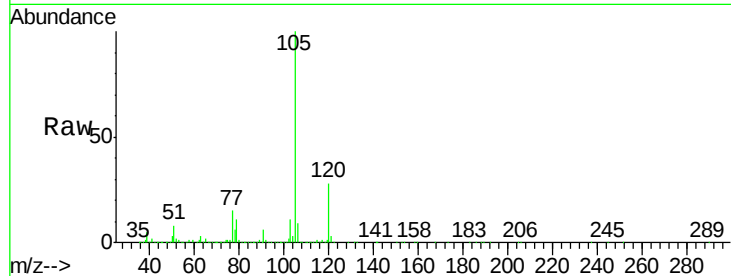
105 100

120 27.7 13.6 40.7

Manual Integrations
APPROVED

MMDadoda

2/6/2019 9:29:33 AM



#74

N-ethyl acetate

Concen: 54.197 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tgt Ion: 43 Resp: 509729

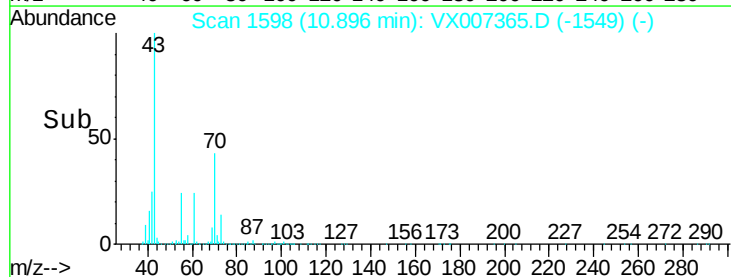
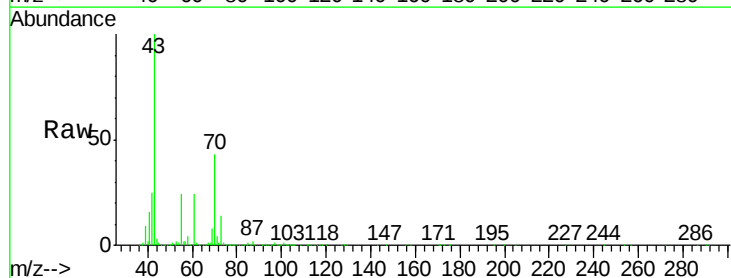
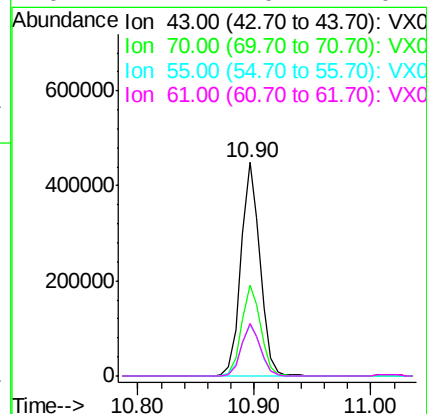
Ion Ratio Lower Upper

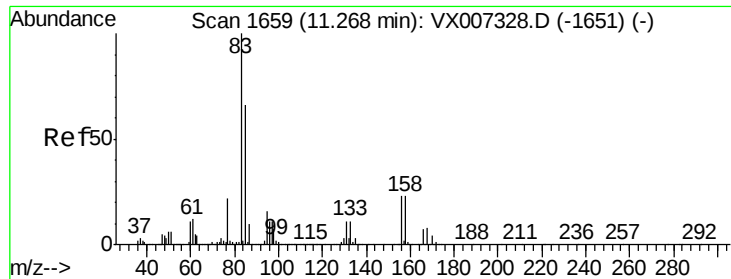
43 100

70 43.1 33.8 50.6

55 24.7 19.5 29.3

61 24.7 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.008 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

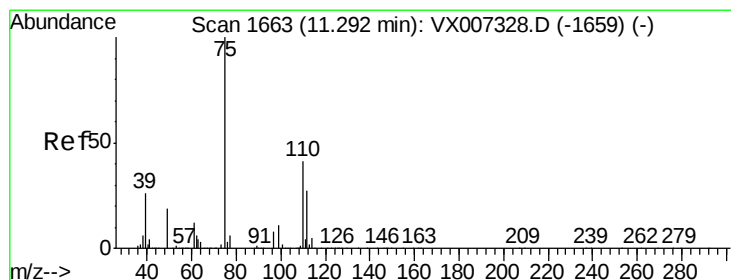
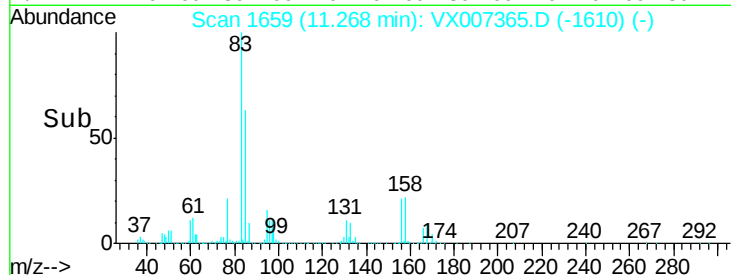
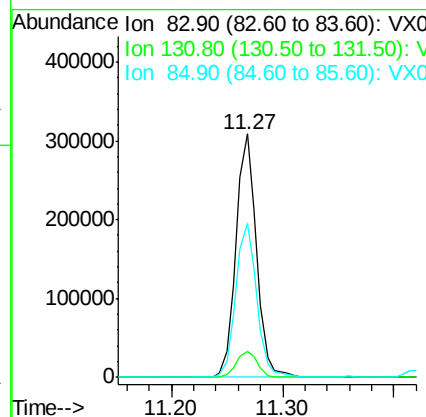
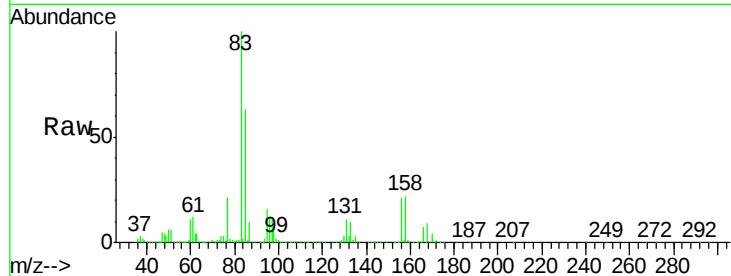
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	392818
Ion Ratio		Lower	Upper
83	100		
131	11.0	5.7	17.0
85	64.8	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.867 ug/l m

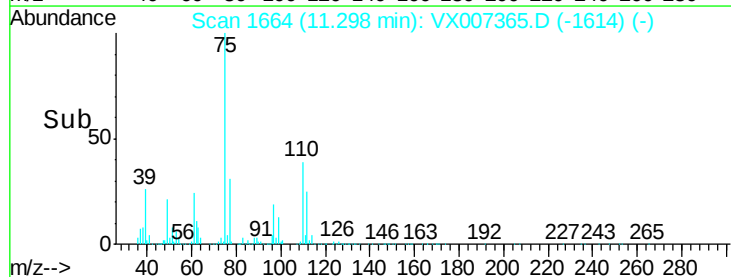
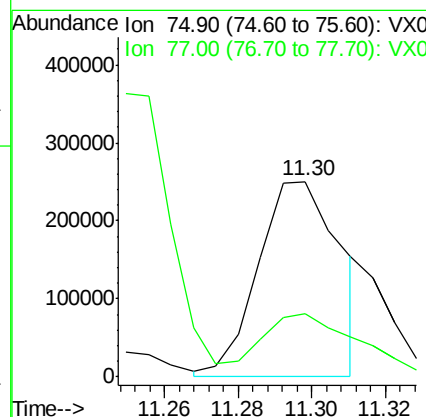
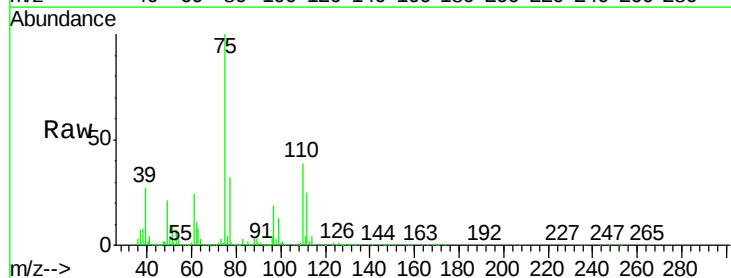
RT: 11.30 min Scan# 1664

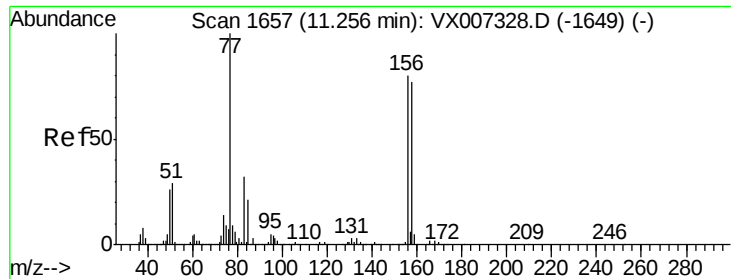
Delta R.T. 0.01 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tgt Ion:	75	Resp:	388839
Ion Ratio		Lower	Upper
75	100		
77	38.8	23.0	69.0





#77

Bromobenzene

Concen: 52.506 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

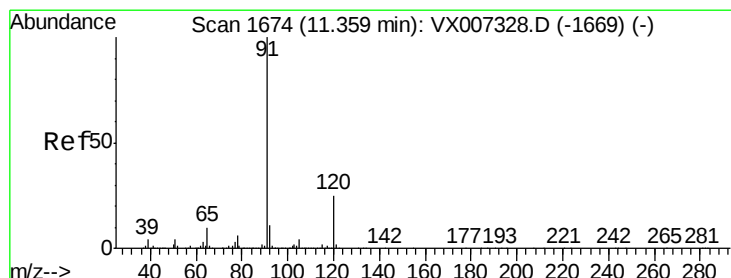
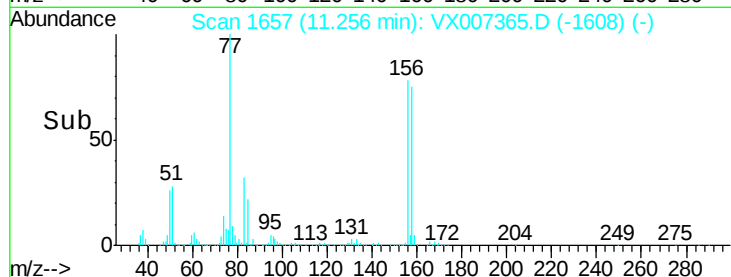
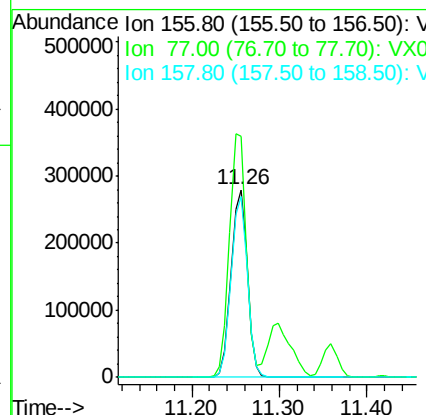
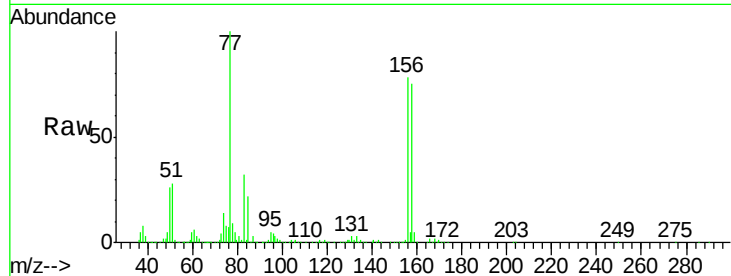
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.1	66.8	200.6
158	96.7	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 57.167 ug/l

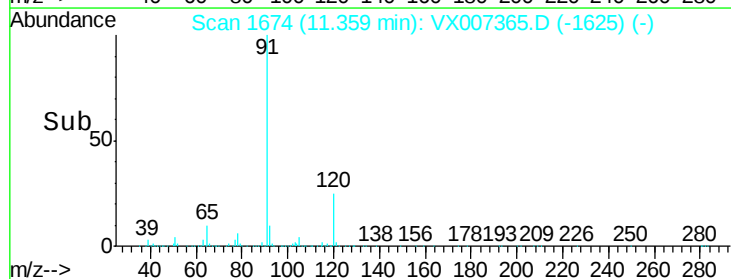
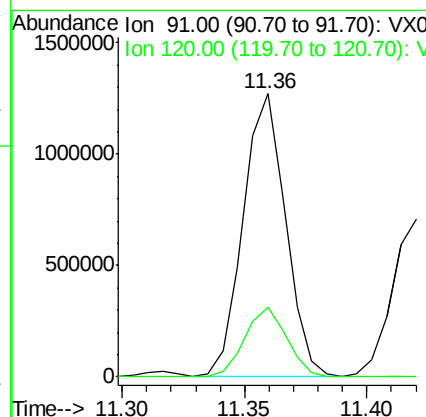
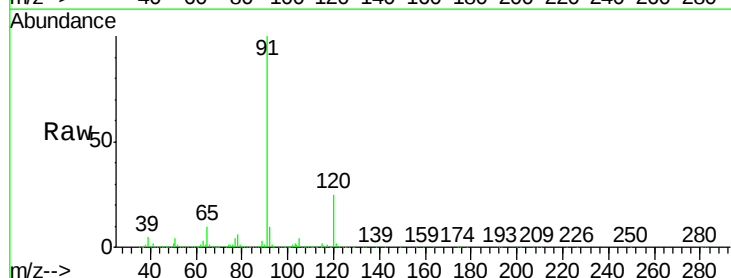
RT: 11.36 min Scan# 1674

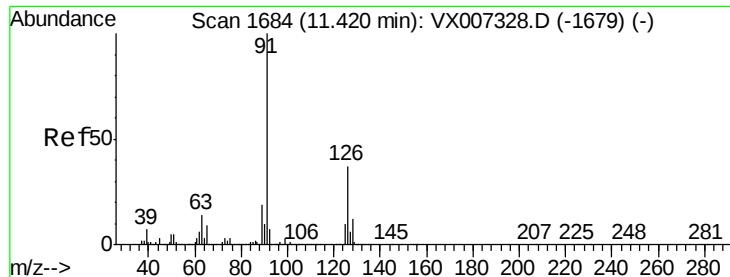
Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.4	37.2





#79

2-Chlorotoluene

Concen: 53.666 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 868274

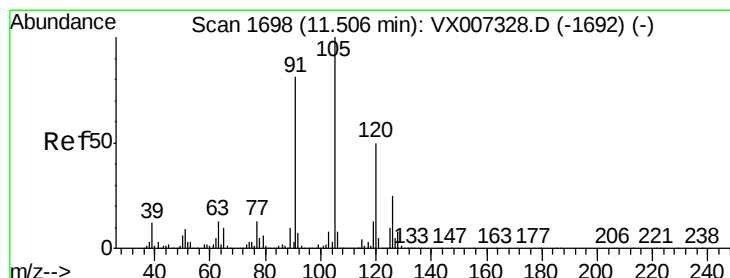
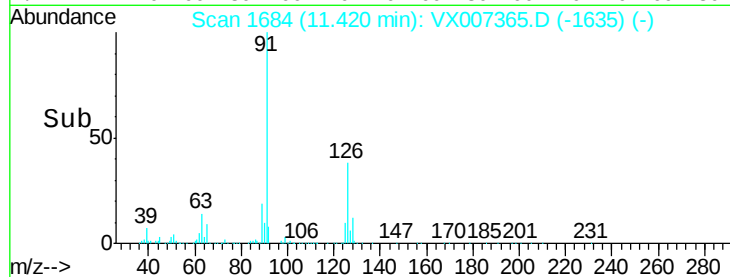
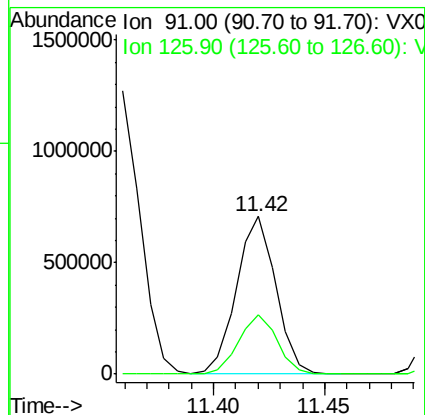
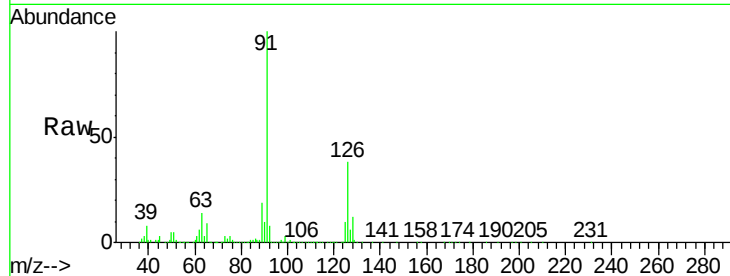
Ion Ratio Lower Upper

91 100

126 37.1 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 56.000 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007365.D

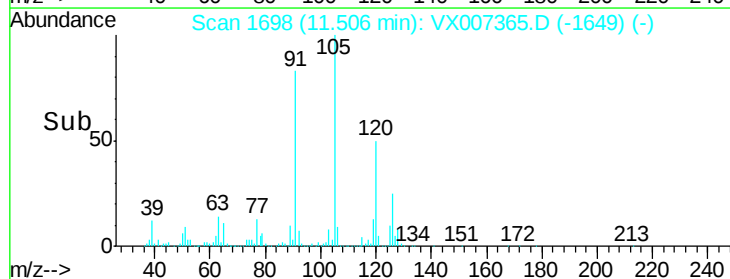
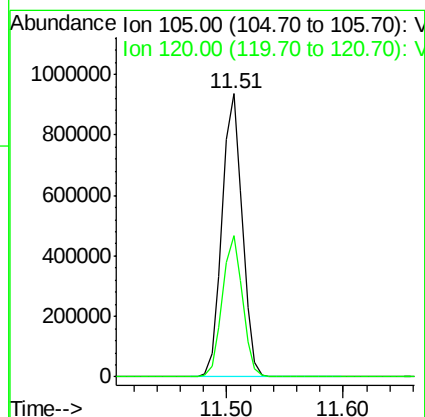
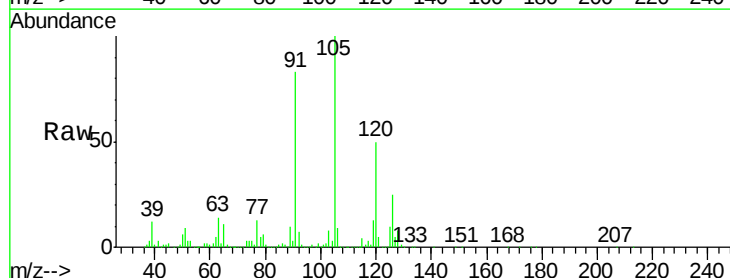
Acq: 05 Feb 2019 09:44

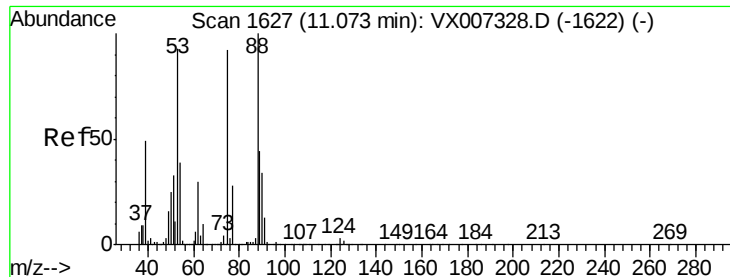
Tgt Ion: 105 Resp: 1114033

Ion Ratio Lower Upper

105 100

120 49.7 25.3 75.8





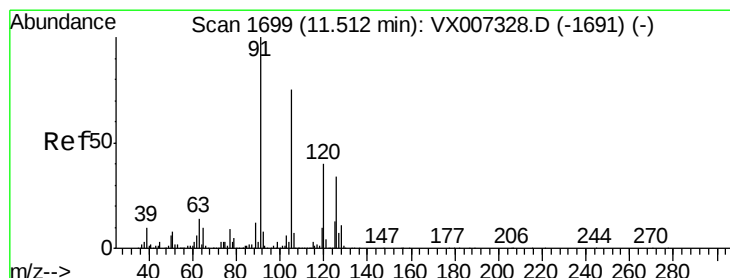
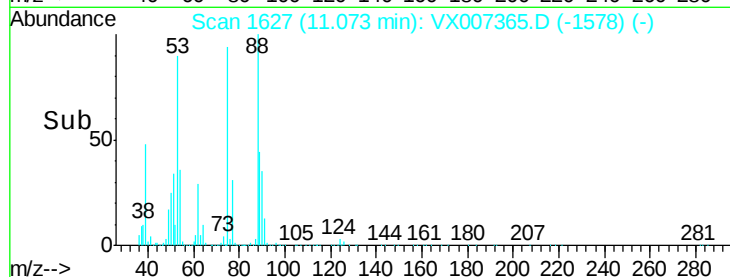
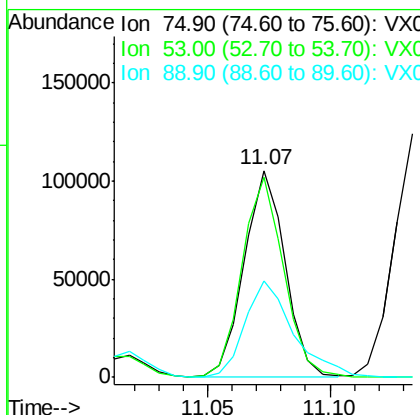
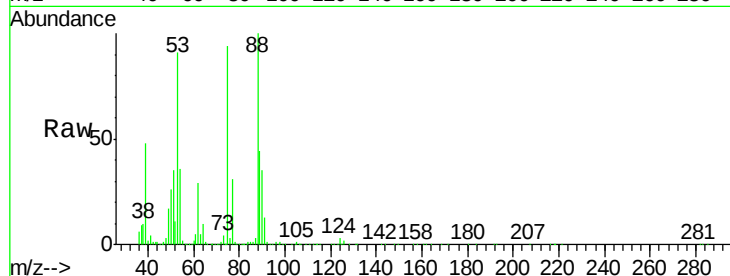
#81
trans-1,4-Dichloro-2-butene
Concen: 54.128 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.2	81.0	121.6
89	55.8	41.4	62.0

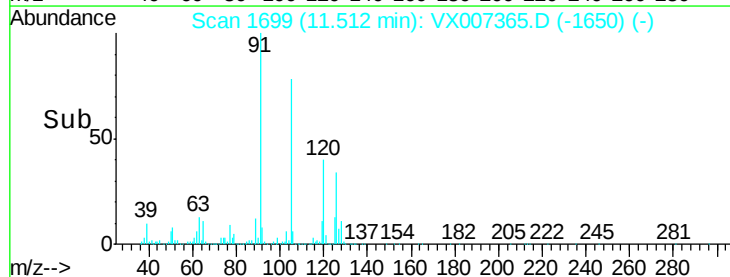
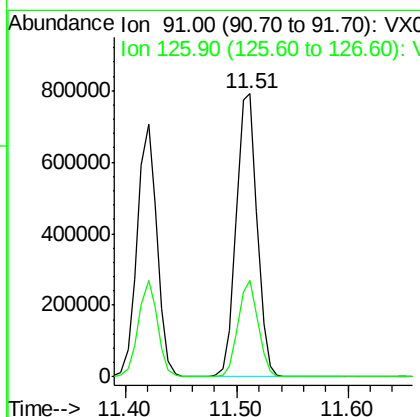
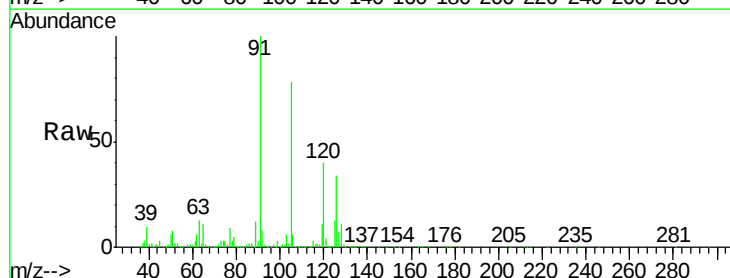
Manual Integrations
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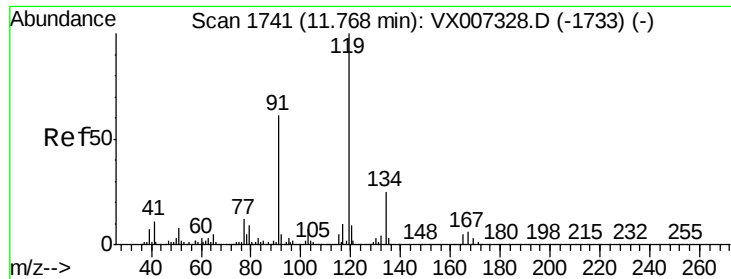
MMDadoda
2/6/2019 9:29:33 AM



#82
4-Chlorotoluene
Concen: 54.915 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.5





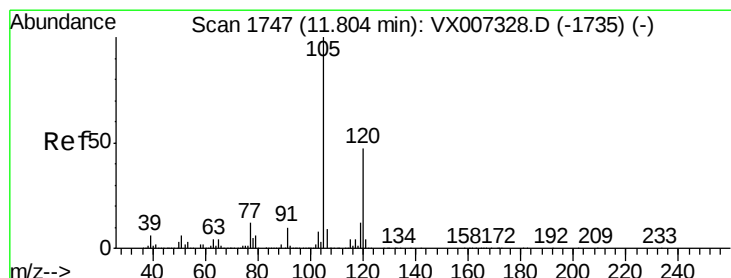
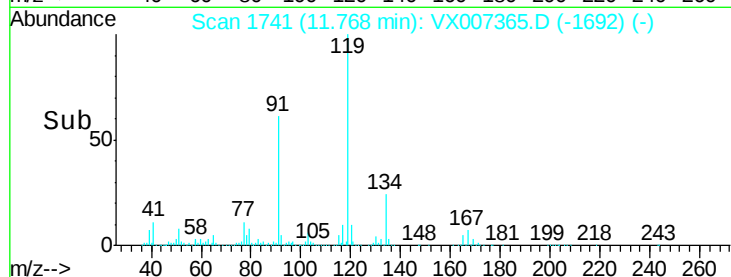
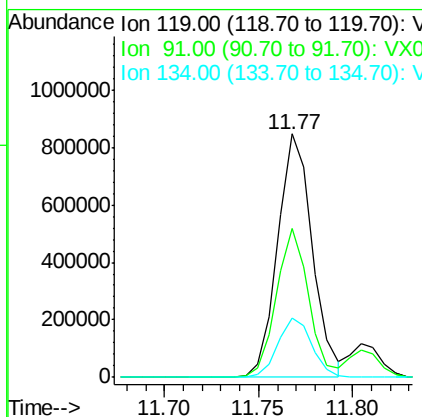
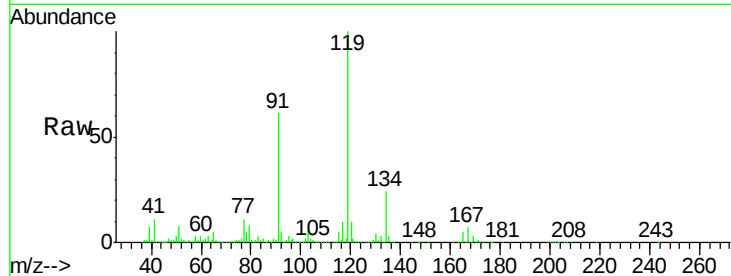
#83
tert-Butylbenzene
Concen: 54.802 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:119 Resp: 1079352
Ion Ratio Lower Upper
119 100
91 57.1 28.5 85.6
134 24.0 12.0 36.0

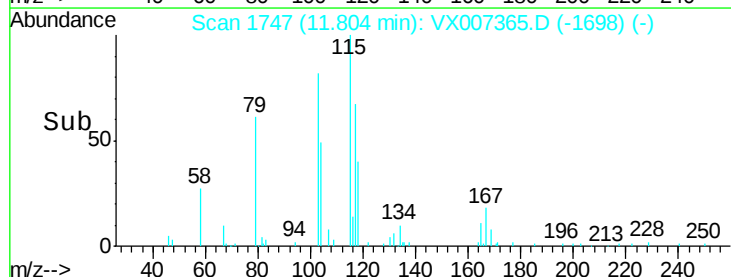
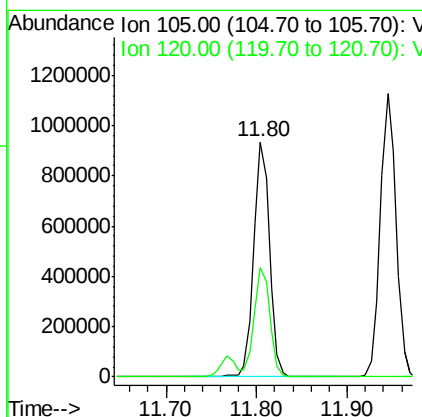
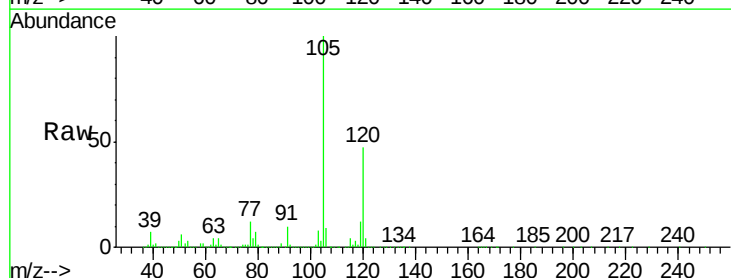
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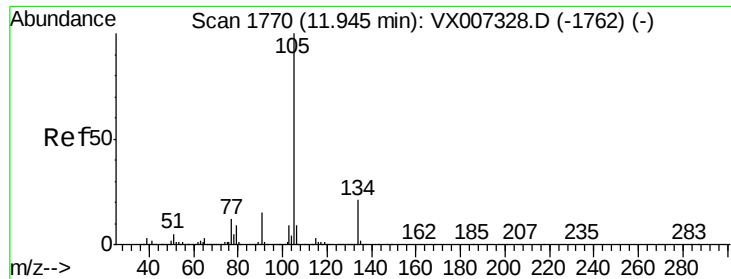
MMDadoda
2/6/2019 9:29:33 AM



#84
1,2,4-Trimethylbenzene
Concen: 55.867 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion:105 Resp: 1128321
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.3





#85

sec-Butylbenzene

Concen: 56.930 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1357102

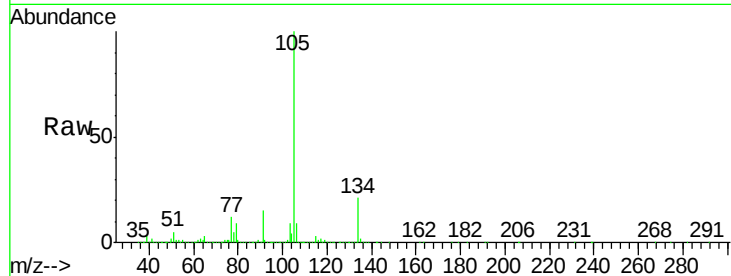
Ion Ratio Lower Upper

105 100

134 21.0 10.6 31.8

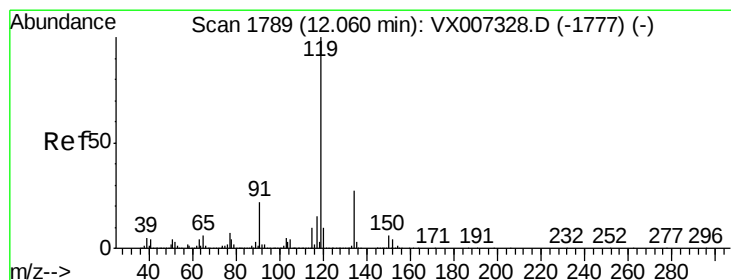
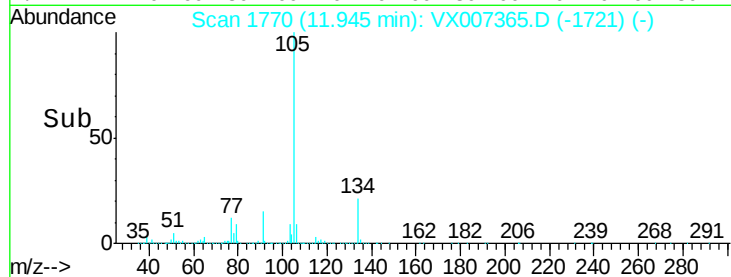
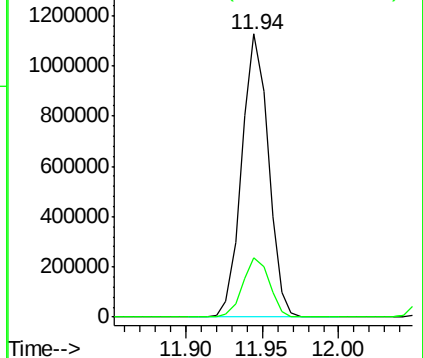
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.746 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

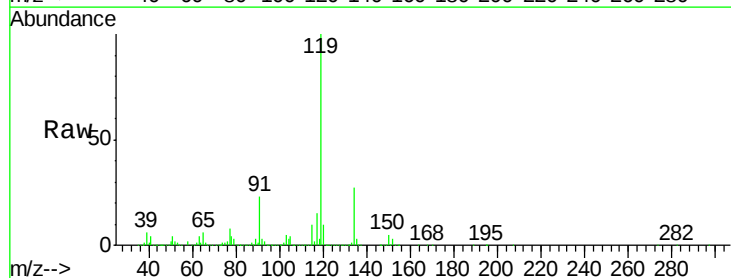
Tgt Ion:119 Resp: 1221098

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

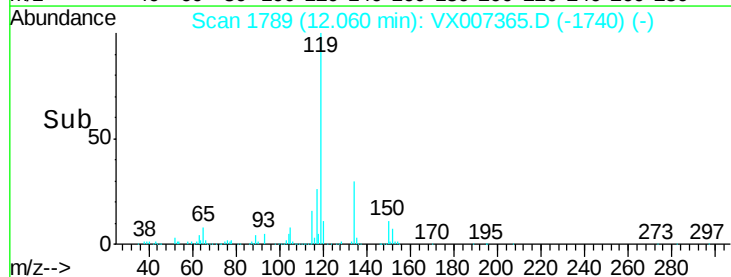
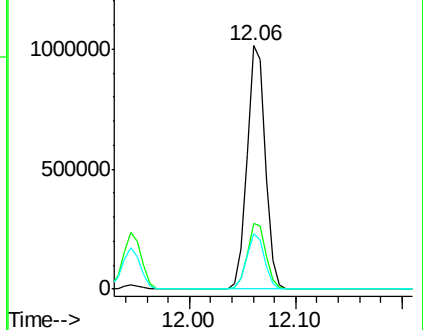
91 22.4 11.2 33.5

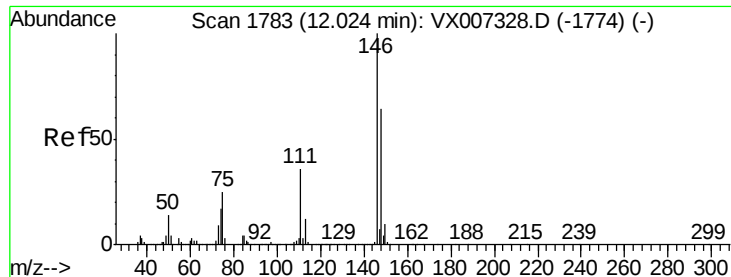


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.453 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

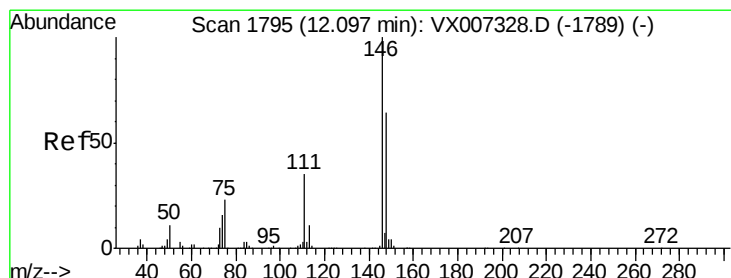
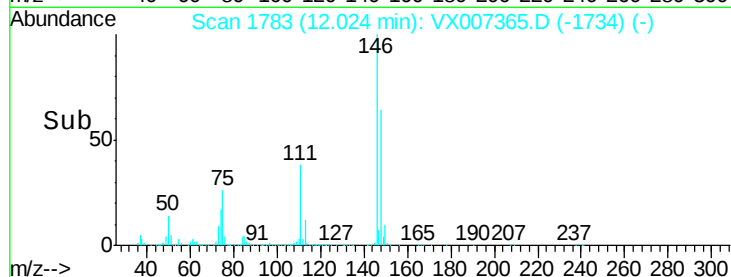
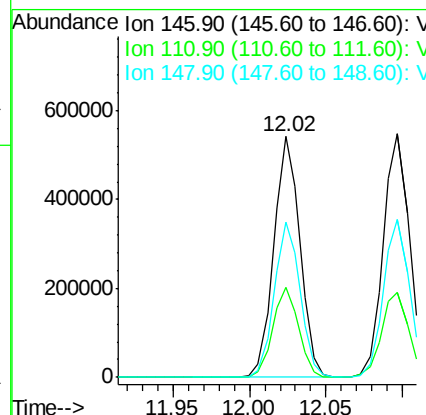
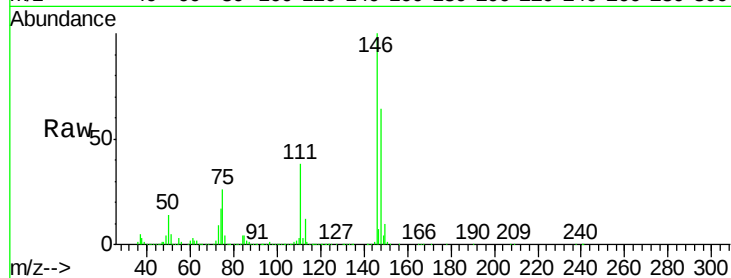
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	644938
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.1	54.1
148	64.2	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 52.221 ug/l

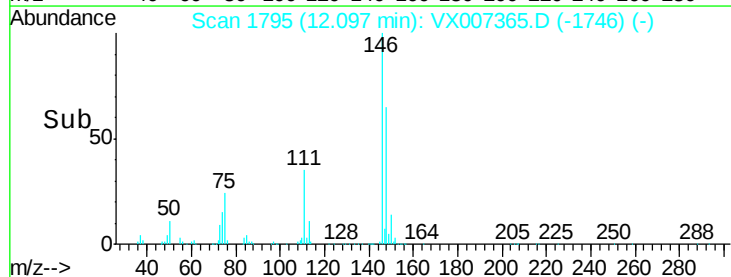
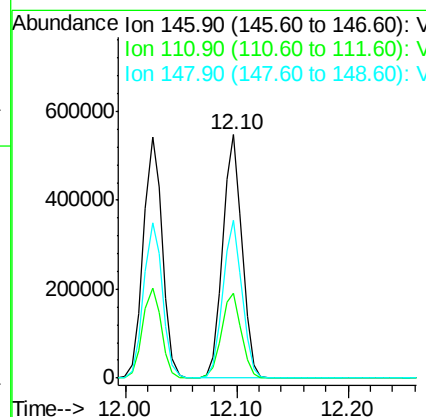
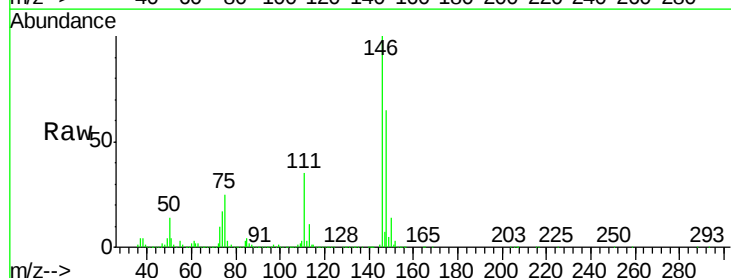
RT: 12.10 min Scan# 1795

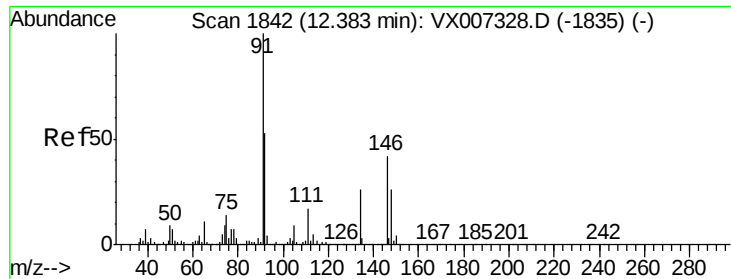
Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tgt Ion:	146	Resp:	651418
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.1	54.1
148	65.0	32.3	96.9





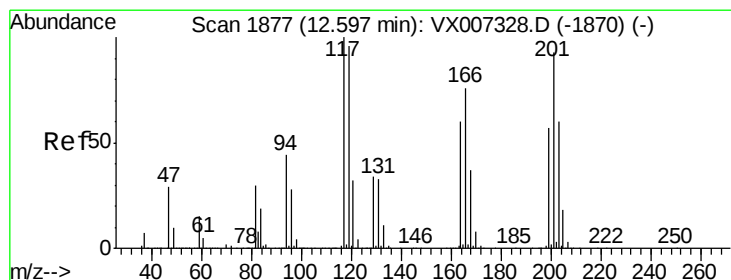
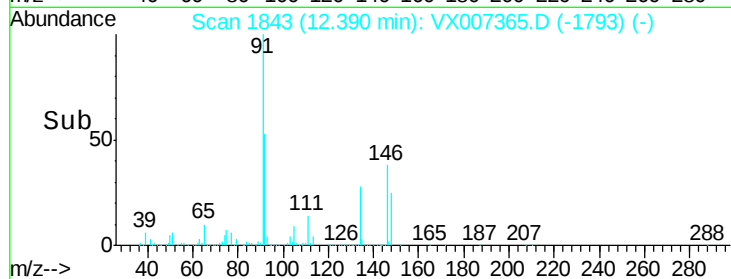
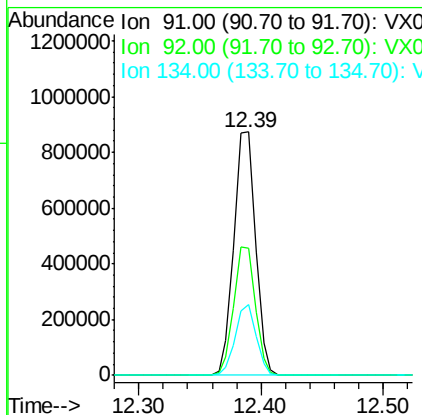
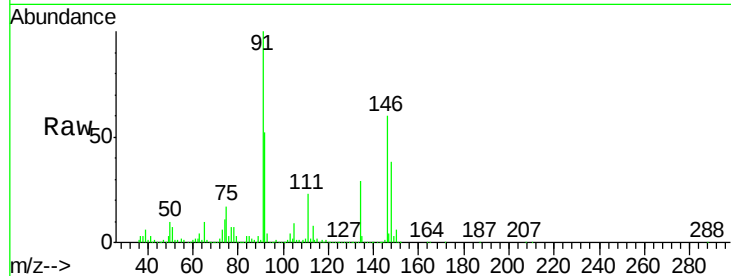
#89
n-Butylbenzene
Concen: 57.717 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	28.0	13.9	41.6

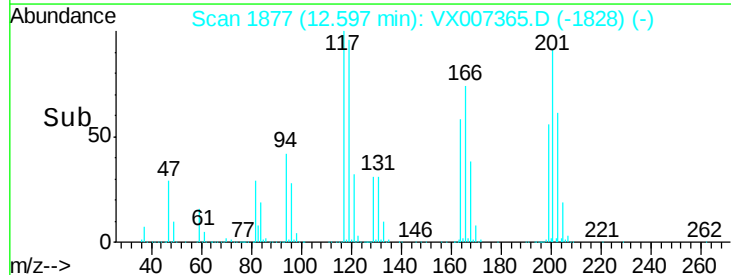
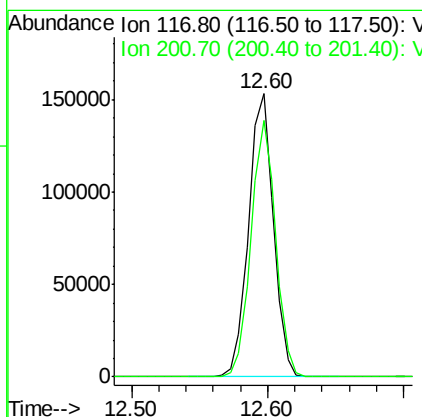
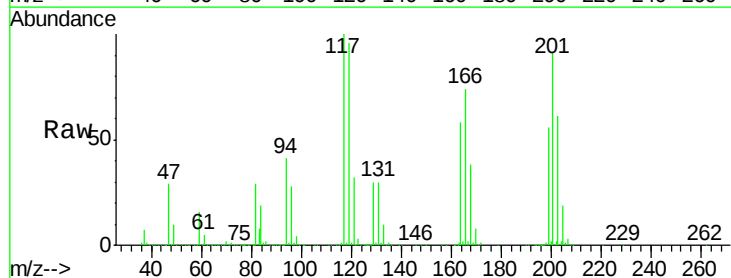
Manual Integrations
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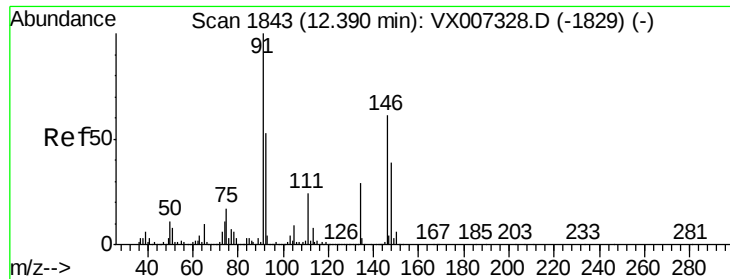
MMDadoda
2/6/2019 9:29:33 AM



#90
Hexachloroethane
Concen: 61.104 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007365.D
Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 52.004 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

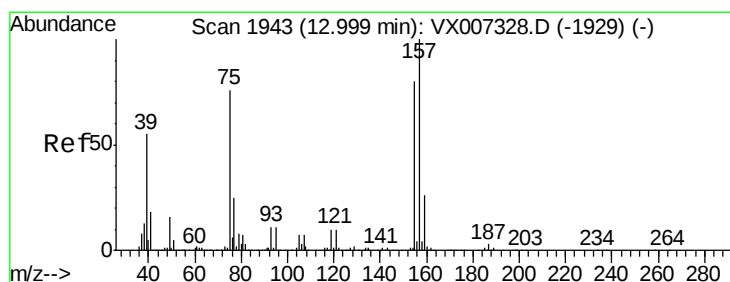
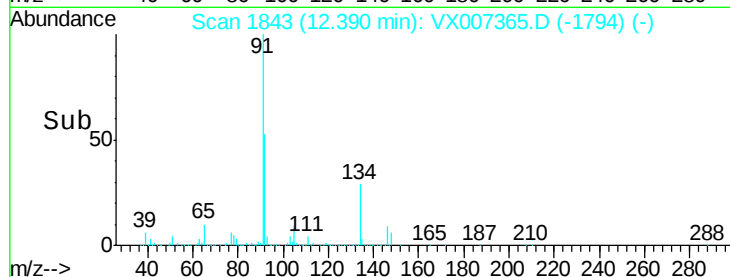
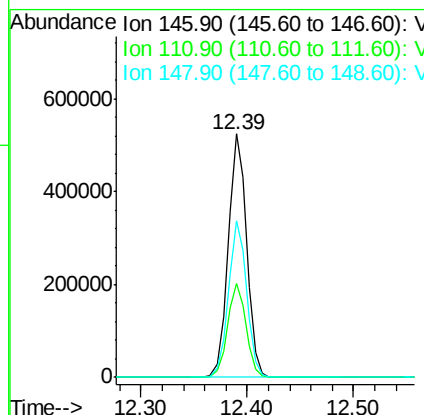
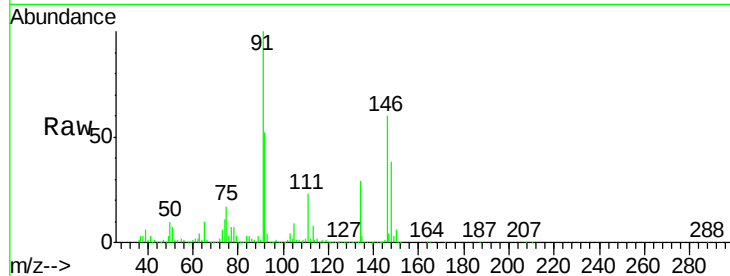
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	636337
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.1	57.3
148	63.4	32.1	96.3

Manual Integrations
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2/6/2019 9:29:33 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.706 ug/l

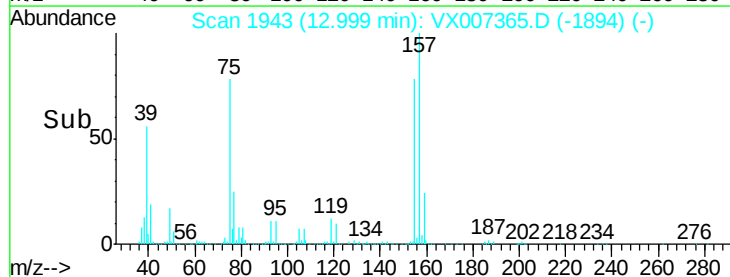
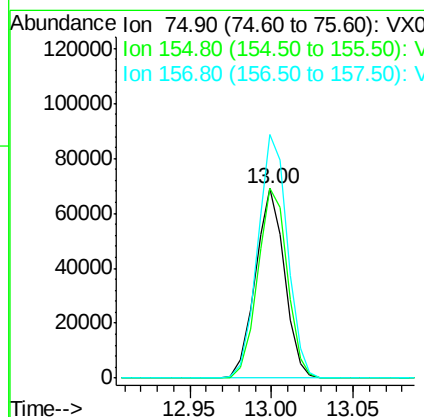
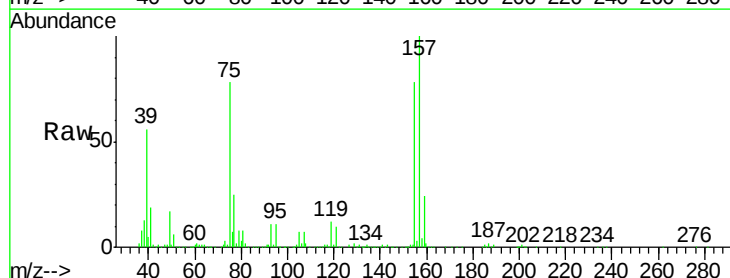
RT: 13.00 min Scan# 1943

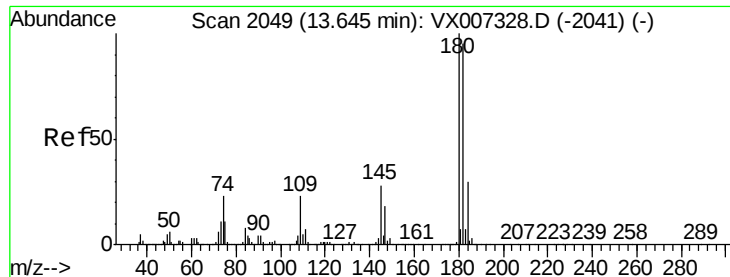
Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Tgt Ion:	75	Resp:	85836
Ion Ratio	Lower	Upper	
75	100		
155	101.8	49.6	149.0
157	131.4	65.1	195.3





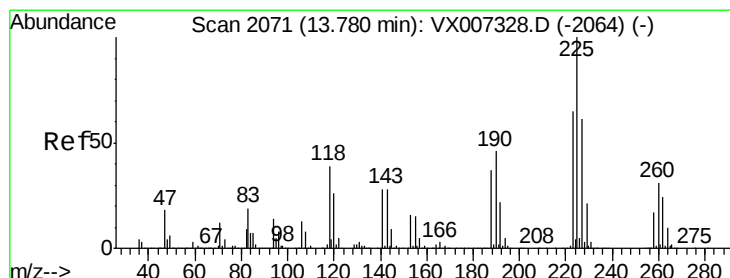
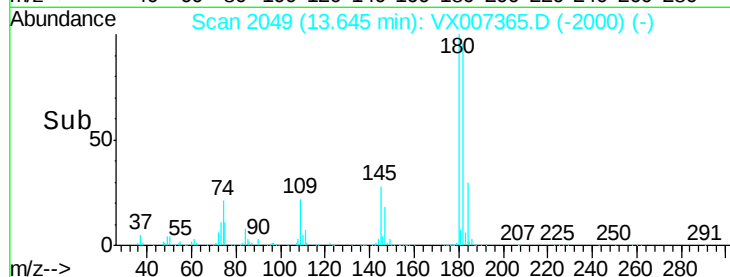
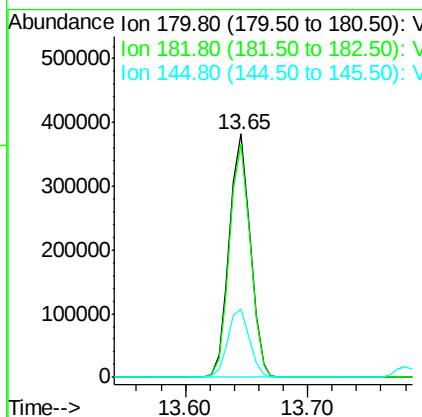
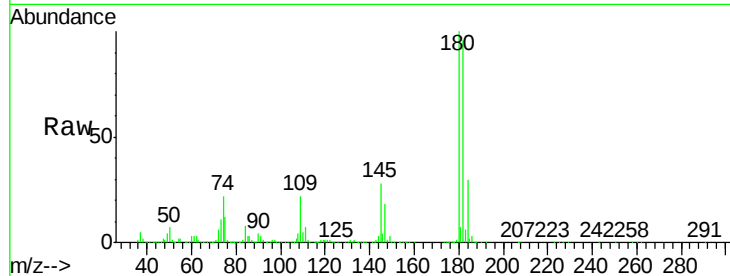
#93
 1,2,4-Trichlorobenzene
 Concen: 54.765 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007365.D
 Acq: 05 Feb 2019 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	451923		
182	95.2	47.8	143.3	
145	28.9	14.1	42.2	

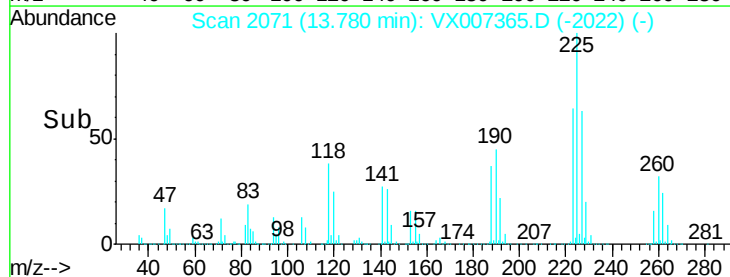
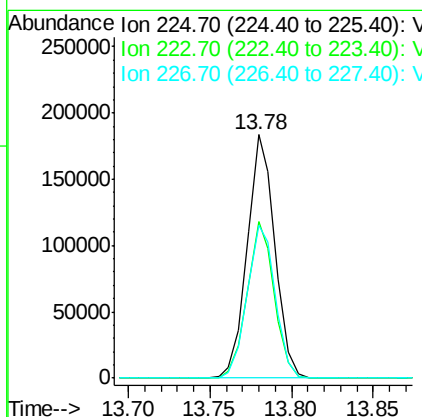
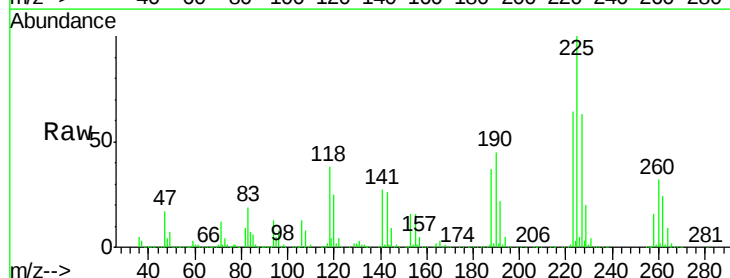
Manual Integrations
 APPROVED

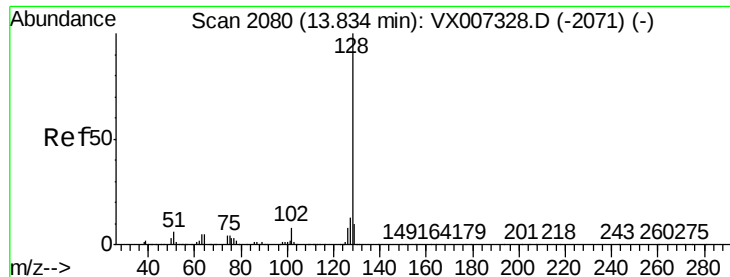
MMDadoda
 2/6/2019 9:29:33 AM



#94
 Hexachlorobutadiene
 Concen: 54.057 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007365.D
 Acq: 05 Feb 2019 09:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	216606		
223	63.3	31.6	94.8	
227	64.1	32.1	96.3	





#95

Naphthalene

Concen: 55.341 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1335468

Ion Ratio Lower Upper

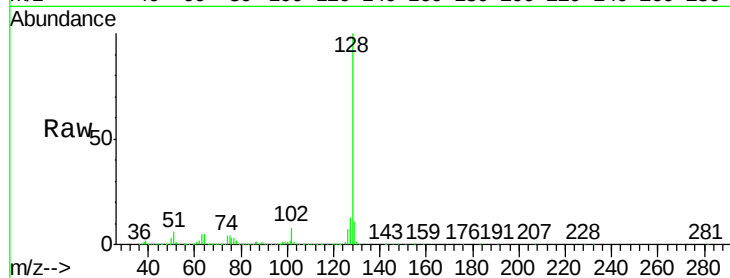
128 100

127 12.9 10.5 15.7

129 10.9 8.7 13.1

Manual Integrations
APPROVED

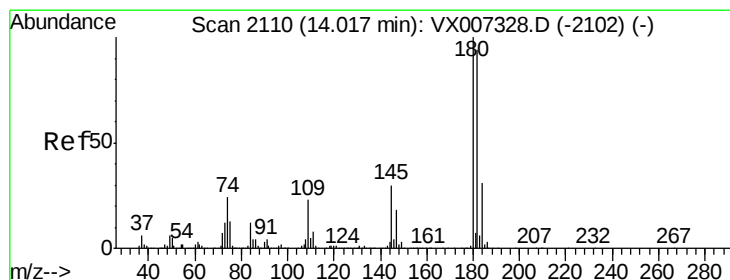
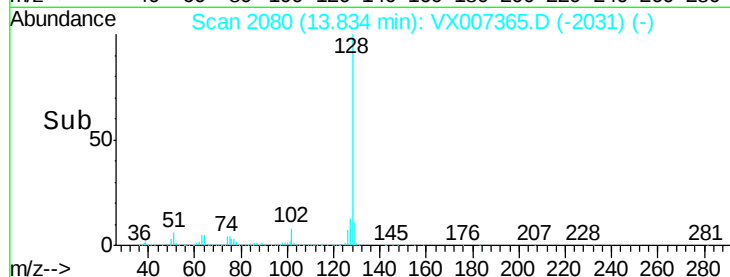
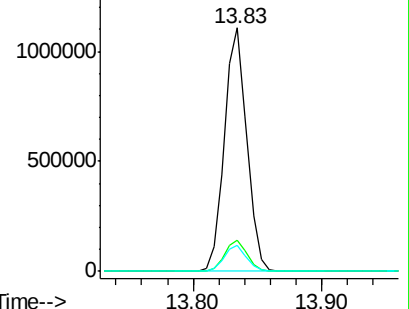
MMDadoda
2/6/2019 9:29:33 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.087 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007365.D

Acq: 05 Feb 2019 09:44

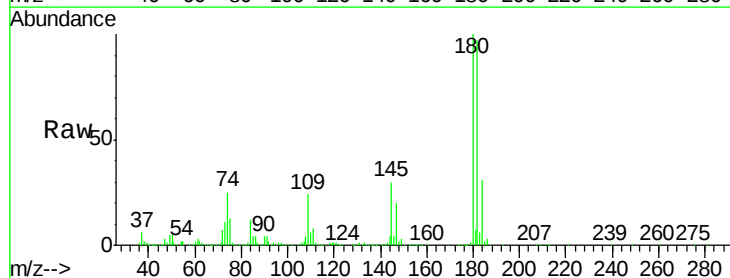
Tgt Ion:180 Resp: 440971

Ion Ratio Lower Upper

180 100

182 97.1 47.5 142.6

145 31.0 14.9 44.5



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

