

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021419\
 Data File : VX007512.D
 Acq On : 13 Feb 2019 10:53
 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
 2/14/2019 10:48:01 AM

Quant Time: Feb 13 14:57:11 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	476693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	691685	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	621402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	314462	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	250634	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	5.50	113	234773	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	8.71	98	827829	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	297153	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	260121	44.426	ug/l 97
3) Chloromethane	1.33	50	218022	40.606	ug/l 98
4) Vinyl Chloride	1.41	62	244063	46.334	ug/l 98
5) Bromomethane	1.64	94	220908	42.339	ug/l 99
6) Chloroethane	1.72	64	152404	44.727	ug/l 100
7) Trichlorofluoromethane	1.93	101	382376	46.405	ug/l 99
8) Diethyl Ether	2.19	74	142981	46.102	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	227435	46.402	ug/l 99
10) Methyl Iodide	2.51	142	301537	41.820	ug/l 100
11) Tert butyl alcohol	3.06	59	250737	239.456	ug/l 97
12) 1,1-Dichloroethene	2.37	96	203681	44.751	ug/l 97
13) Acrolein	2.29	56	119077	242.510	ug/l 98
14) Allyl chloride	2.73	41	350276	47.232	ug/l 99
15) Acrylonitrile	3.15	53	623479	240.694	ug/l 99
16) Acetone	2.45	43	666742	287.672	ug/l 99
17) Carbon Disulfide	2.57	76	503474	42.629	ug/l 100
18) Methyl Acetate	2.78	43	334552	55.336	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	687238	46.607	ug/l 98
20) Methylene Chloride	2.86	84	223657	47.222	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	214987	44.341	ug/l 99
22) Diisopropyl ether	3.87	45	683601	50.113	ug/l 98
23) Vinyl Acetate	3.82	43	2950870	260.681	ug/l 100
24) 1,1-Dichloroethane	3.70	63	386240	49.304	ug/l 100
25) 2-Butanone	4.70	43	886382	268.731	ug/l 100
26) 2,2-Dichloropropane	4.58	77	299610	50.220	ug/l 98
27) cis-1,2-Dichloroethene	4.60	96	245177	46.297	ug/l 99
28) Bromochloromethane	5.01	49	177485	49.267	ug/l 99
29) Tetrahydrofuran	5.15	42	537650	259.175	ug/l 99
30) Chloroform	5.21	83	402453	49.232	ug/l 100
31) Cyclohexane	5.57	56	330767	47.011	ug/l 95
32) 1,1,1-Trichloroethane	5.49	97	345877	50.126	ug/l 99
36) 1,1-Dichloropropene	5.79	75	287494	46.325	ug/l 100
37) Ethyl Acetate	4.85	43	310216	49.448	ug/l 99
38) Carbon Tetrachloride	5.78	117	309792	51.453	ug/l 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021419\
 Data File : VX007512.D
 Acq On : 13 Feb 2019 10:53
 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
 2/14/2019 10:48:01 AM

Quant Time: Feb 13 14:57:11 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)
39) Methylcyclohexane	7.46	83	365301	48.650	ug/l	98
40) Benzene	6.14	78	879190	48.093	ug/l	99
41) Methacrylonitrile	5.06	41	173997	51.749	ug/l	98
42) 1,2-Dichloroethane	6.20	62	302258	47.786	ug/l	99
43) Isopropyl Acetate	6.46	43	491226	50.729	ug/l	99
44) Trichloroethene	7.21	130	260641	47.338	ug/l	98
45) 1,2-Dichloropropane	7.51	63	220795	48.204	ug/l	98
46) Dibromomethane	7.66	93	160923	48.339	ug/l	97
47) Bromodichloromethane	7.90	83	292873	51.909	ug/l	100
48) Methyl methacrylate	7.77	41	249254	51.461	ug/l	98
49) 1,4-Dioxane	7.74	88	110203	1000.463	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1608449	252.322	ug/l	100
52) Toluene	8.78	92	557535	47.269	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	316149	52.167	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	349739	52.477	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	238552	48.520	ug/l	96
56) Ethyl methacrylate	9.18	69	338500	49.710	ug/l	98
57) 1,3-Dichloropropane	9.37	76	376530	48.157	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	902603	251.478	ug/l	100
59) 2-Hexanone	9.49	43	1246907	251.368	ug/l	98
60) Dibromochloromethane	9.58	129	254575	54.748	ug/l	97
61) 1,2-Dibromoethane	9.67	107	257846	49.522	ug/l	99
64) Tetrachloroethene	9.34	164	258346	44.110	ug/l	99
65) Chlorobenzene	10.13	112	640826	47.258	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	237406	52.219	ug/l	99
67) Ethyl Benzene	10.25	91	1055655	48.342	ug/l	98
68) m/p-Xylenes	10.36	106	823860	94.909	ug/l	99
69) o-Xylene	10.69	106	405196	48.510	ug/l	100
70) Styrene	10.71	104	661070	48.801	ug/l	100
71) Bromoform	10.85	173	190970	48.062	ug/l	100
73) Isopropylbenzene	11.02	105	1089191	50.970	ug/l	99
74) N-amyl acetate	10.90	43	428162	51.801	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	340038	52.213	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	285771m	46.720	ug/l	
77) Bromobenzene	11.26	156	289295	48.048	ug/l	98
78) n-propylbenzene	11.36	91	1223704	52.222	ug/l	99
79) 2-Chlorotoluene	11.42	91	703349	49.467	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	891842	51.013	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	101699	51.273	ug/l	95
82) 4-Chlorotoluene	11.51	91	823494	50.053	ug/l	100
83) tert-Butylbenzene	11.77	119	894937	51.704	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	915332	51.571	ug/l	100
85) sec-Butylbenzene	11.94	105	1093038	52.175	ug/l	100
86) p-Isopropyltoluene	12.06	119	991299	52.419	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	527669	48.833	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	527778	48.143	ug/l	99
89) n-Butylbenzene	12.38	91	855964	52.617	ug/l	99
90) Hexachloroethane	12.60	117	164718	58.199	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	522352	48.575	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	74412	54.951	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021419\
Data File : VX007512.D
Acq On : 13 Feb 2019 10:53
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

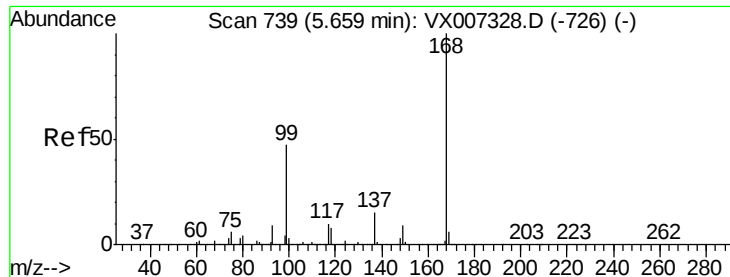
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM

Quant Time: Feb 13 14:57:11 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.65	180	359970	49.637	ug/l	99
94) Hexachlorobutadiene	13.78	225	173375	49.234	ug/l	99
95) Naphthalene	13.83	128	1109254	52.305	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	362275	49.627	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 476693

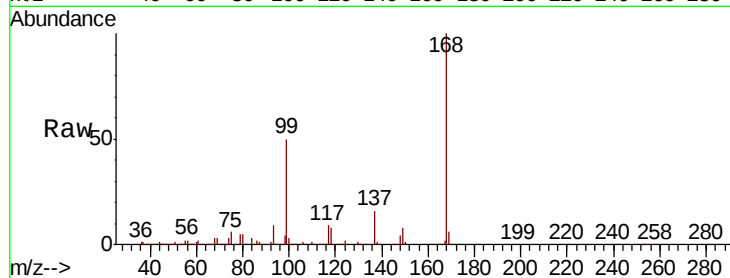
Ion Ratio Lower Upper

168 100

99 49.5 37.9 56.9

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

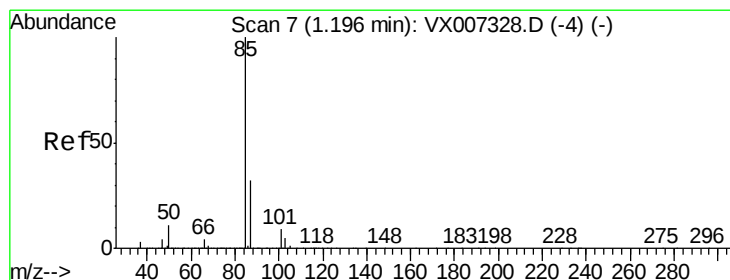
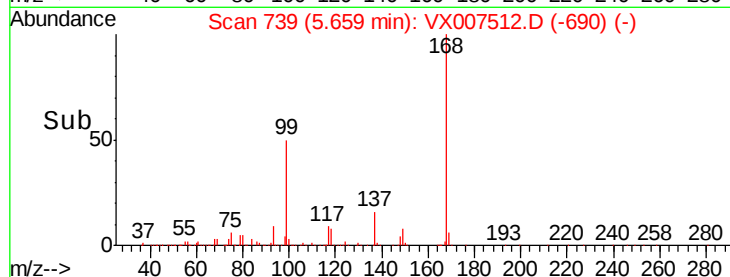
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.426 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007512.D

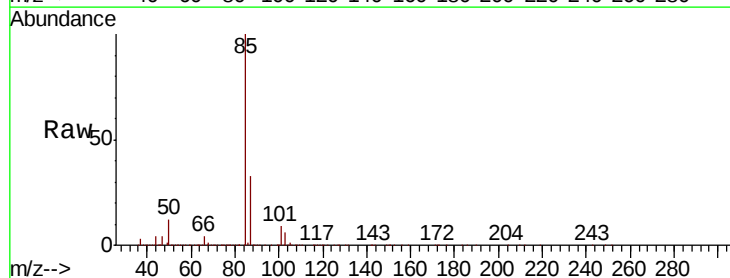
Acq: 13 Feb 2019 10:53

Tgt Ion: 85 Resp: 260121

Ion Ratio Lower Upper

85 100

87 33.4 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

250000

200000

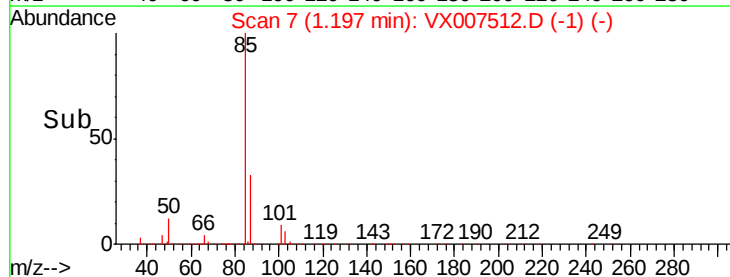
150000

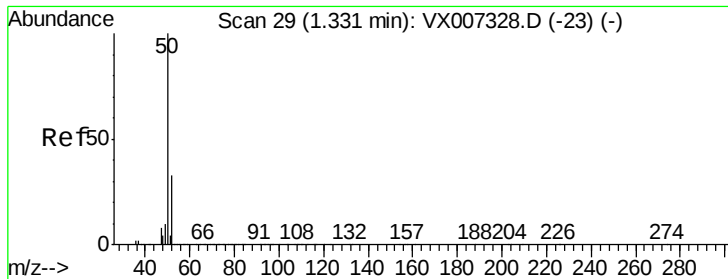
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.606 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 218022

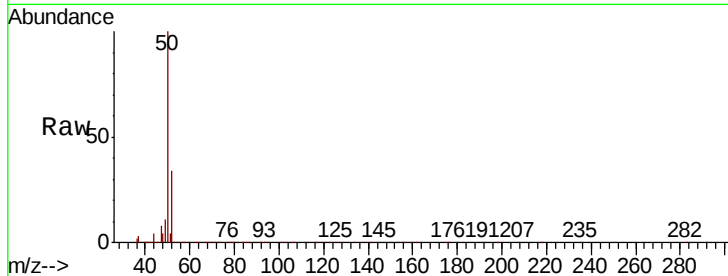
Ion Ratio Lower Upper

50 100

52 33.8 26.1 39.1

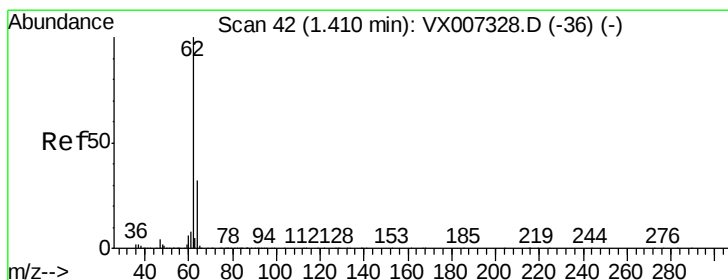
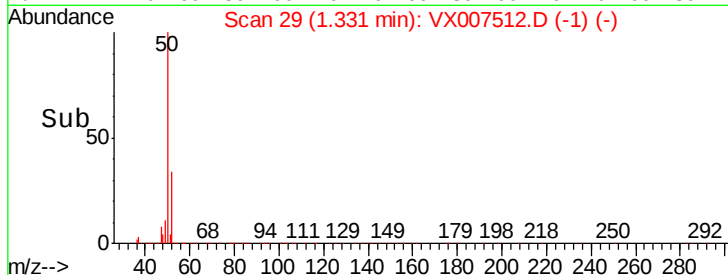
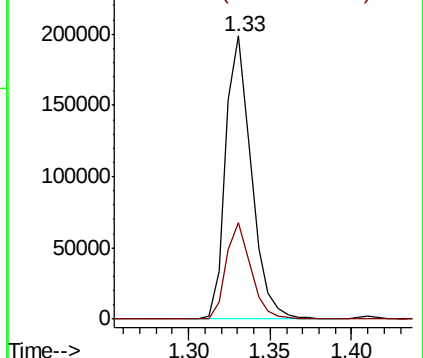
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.334 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007512.D

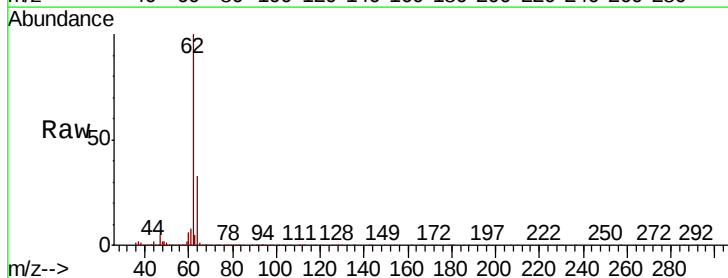
Acq: 13 Feb 2019 10:53

Tgt Ion: 62 Resp: 244063

Ion Ratio Lower Upper

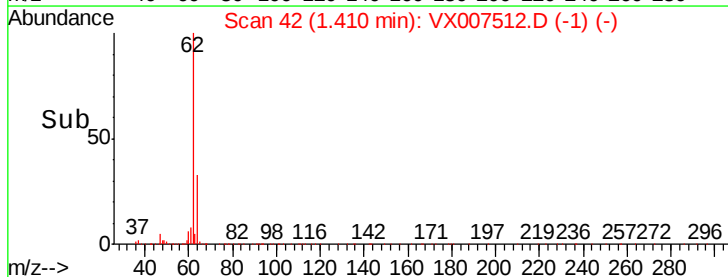
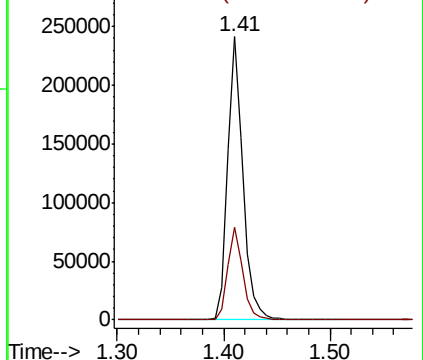
62 100

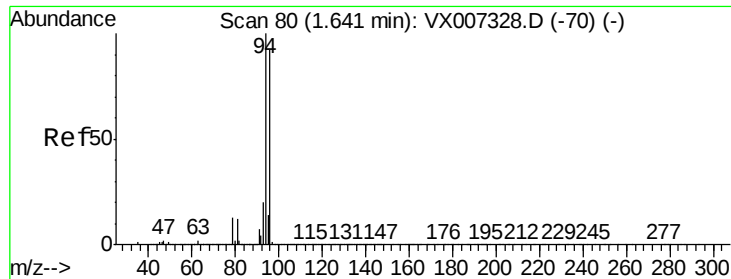
64 32.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.339 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 220908

Ion Ratio Lower Upper

94 100

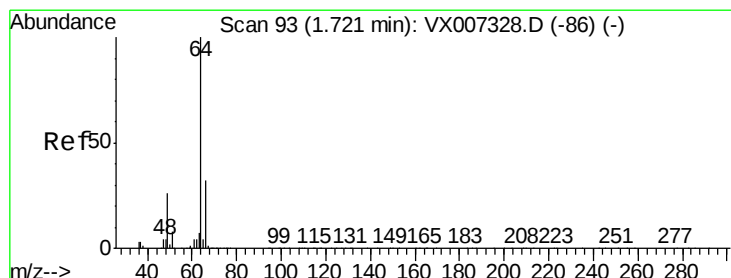
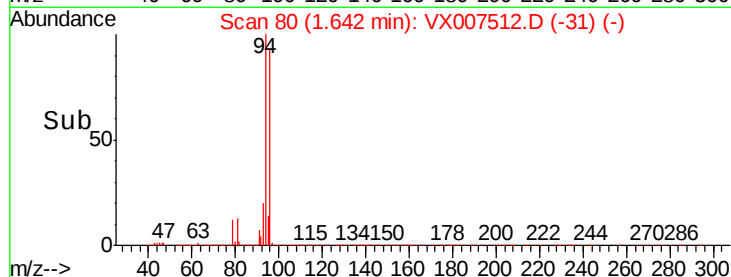
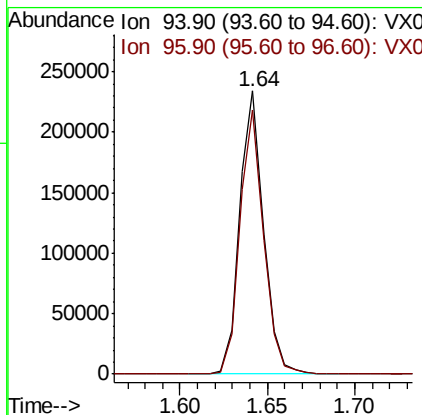
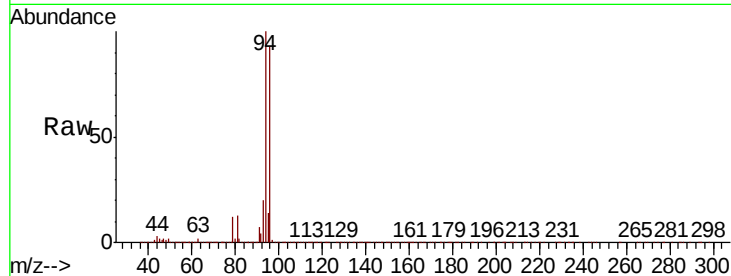
96 93.2 73.9 110.9

Manual Integrations

APPROVED

MMDadoda

2/14/2019 10:48:01 AM



#6

Chloroethane

Concen: 44.727 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007512.D

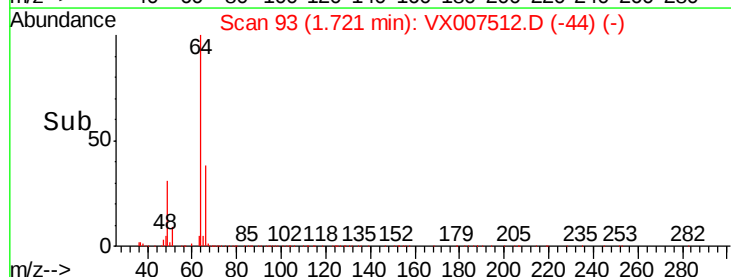
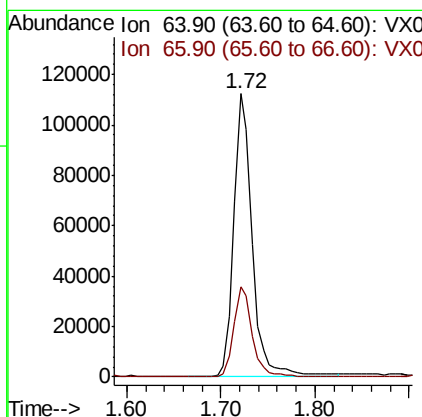
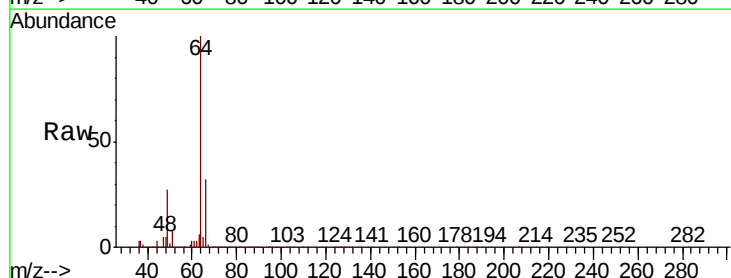
Acq: 13 Feb 2019 10:53

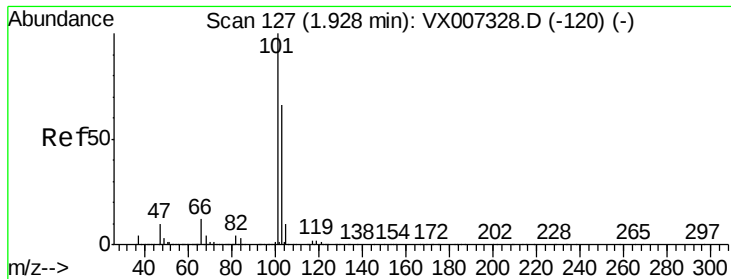
Tgt Ion: 64 Resp: 152404

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

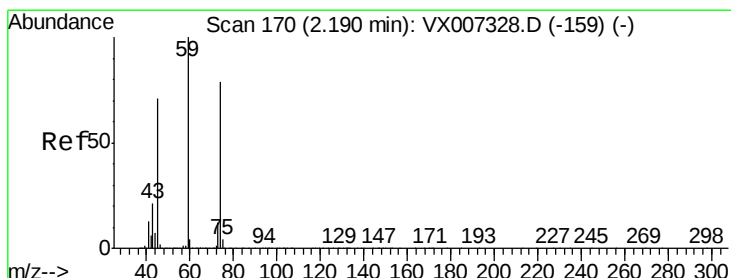
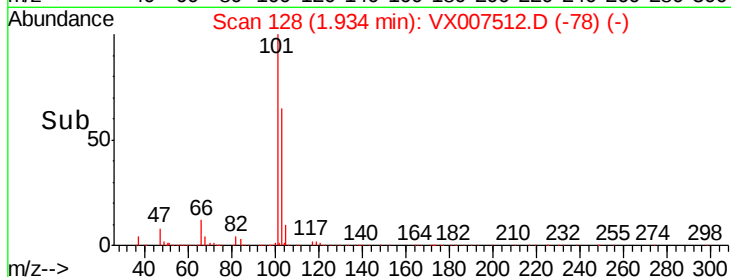
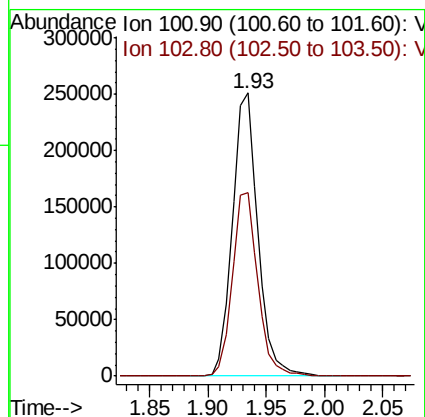
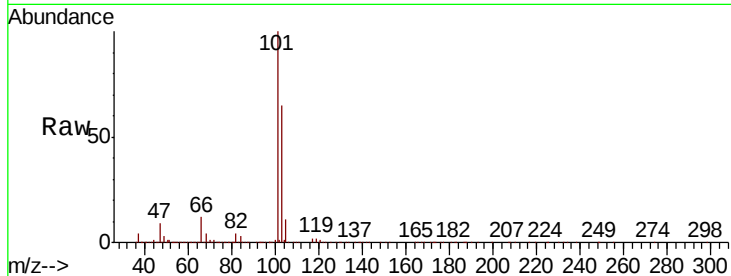
Trichlorofluoromethane
Concen: 46.405 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.6	79.0

Manual Integrations
APPROVED

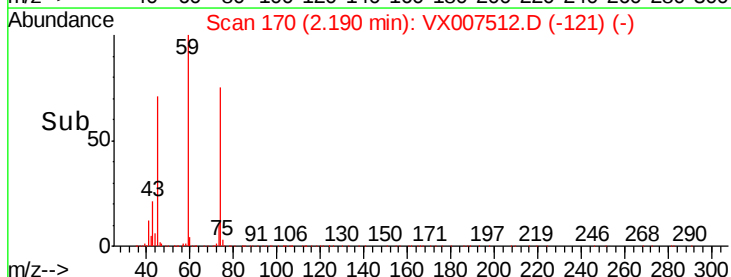
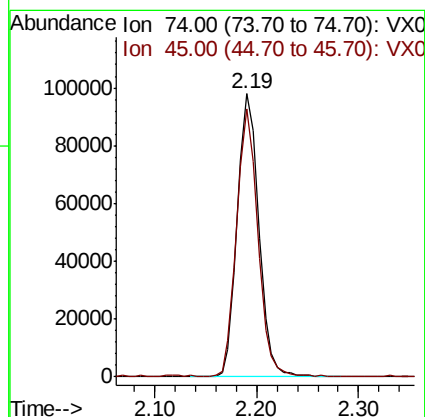
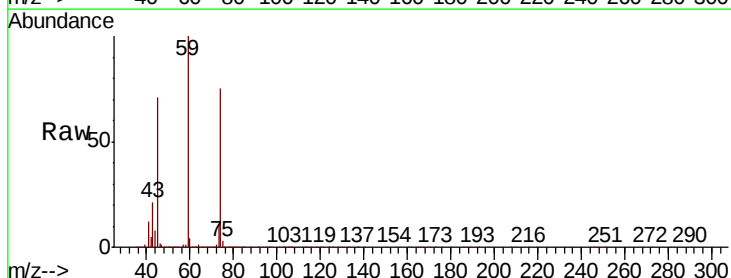
MMDadoda
2/14/2019 10:48:01 AM

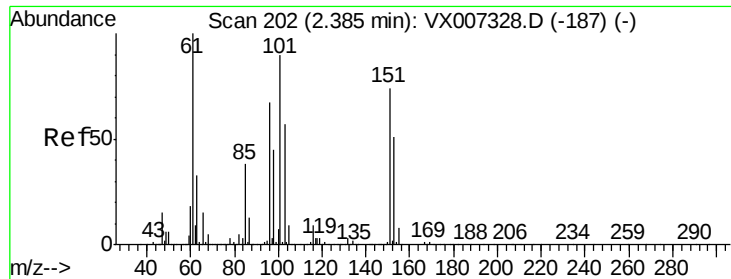


#8

Diethyl Ether
Concen: 46.102 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.0	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.402 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

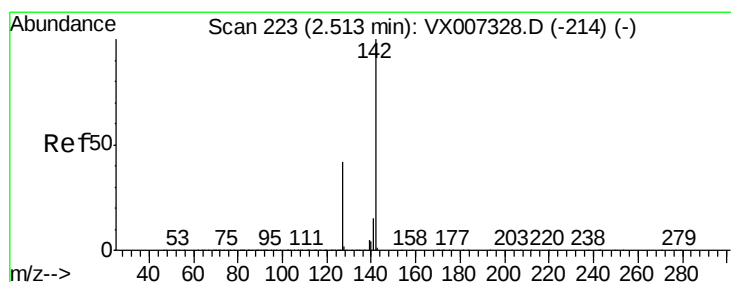
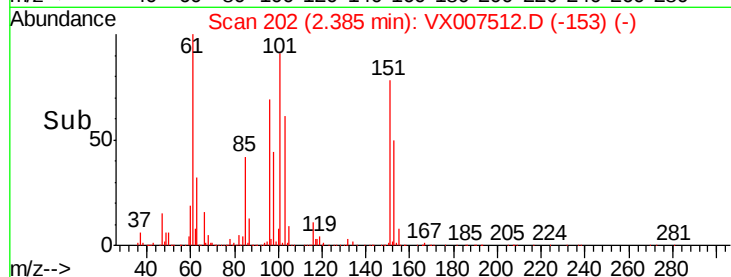
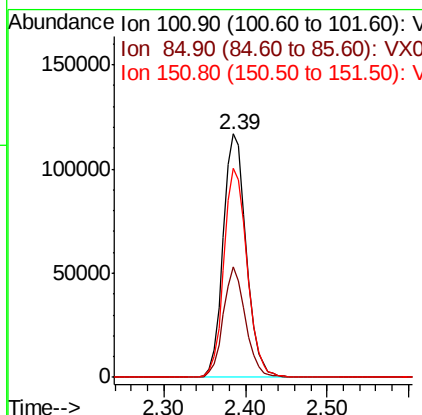
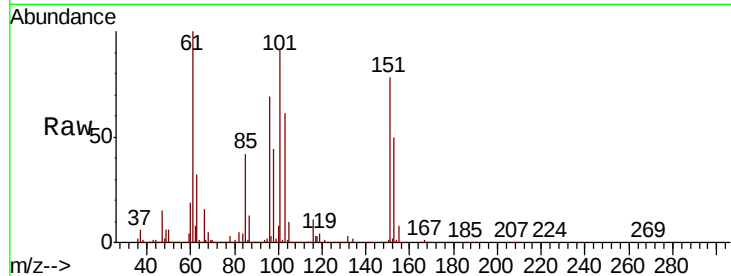
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	227435
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.1	51.1
151	86.8	69.9	104.9

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



#10

Methyl Iodide

Concen: 41.820 ug/l

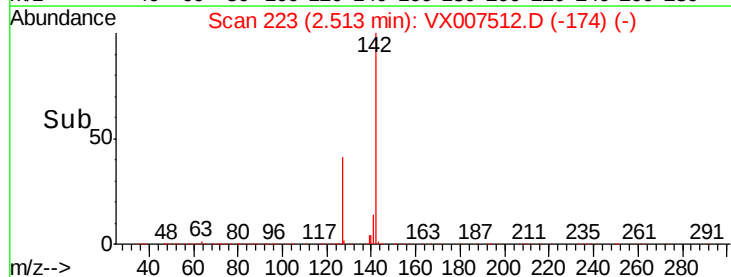
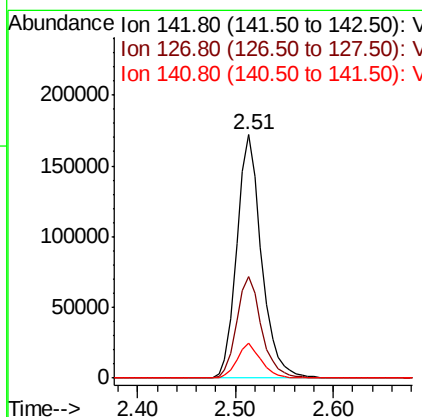
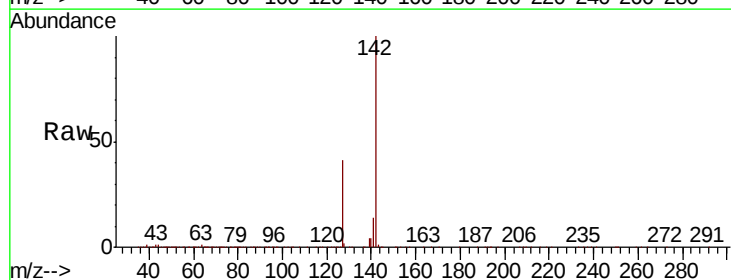
RT: 2.51 min Scan# 223

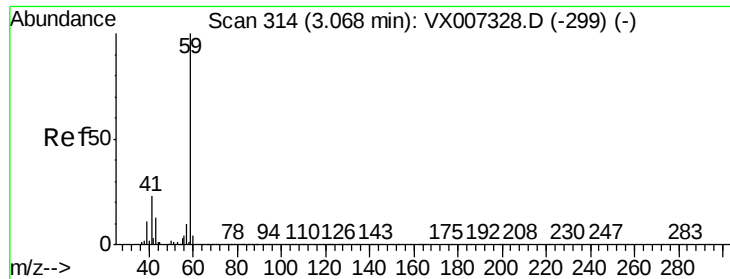
Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Tgt Ion:	142	Resp:	301537
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.7	50.5
141	13.8	11.3	16.9





#11

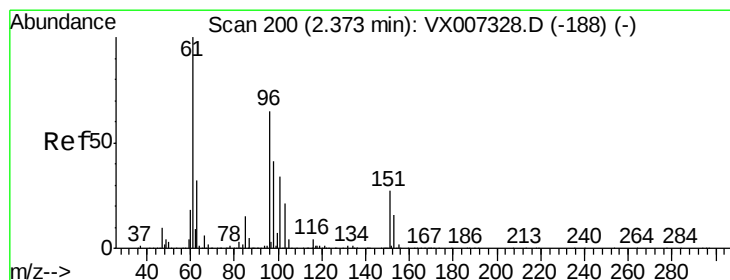
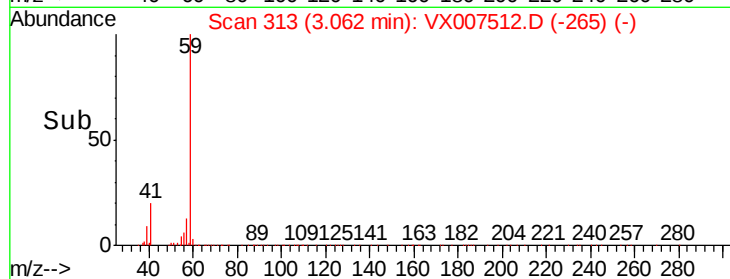
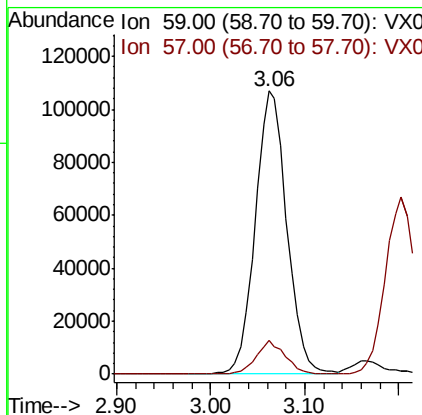
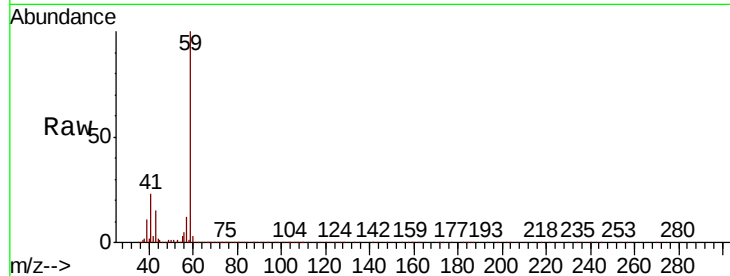
Tert butyl alcohol
Concen: 239.456 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.1	12.1

Manual Integrations
APPROVED

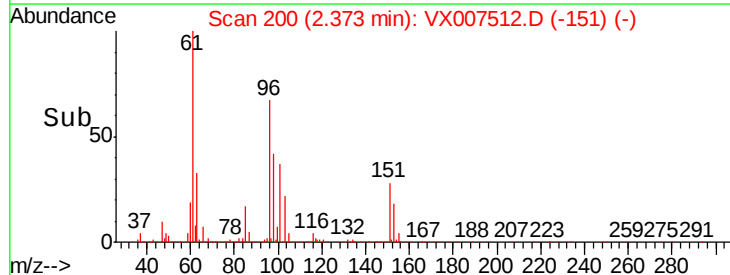
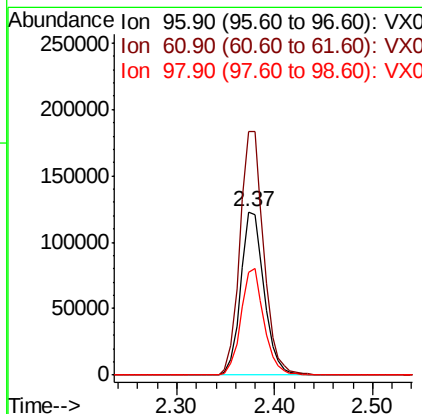
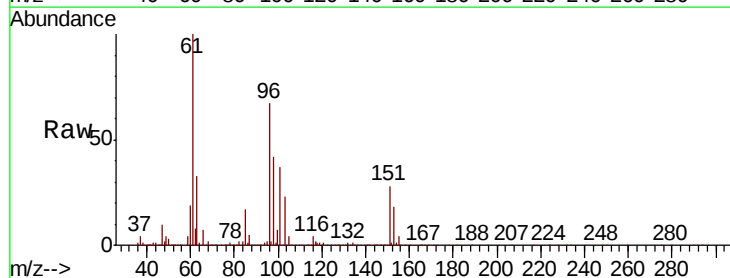
MMDadoda
2/14/2019 10:48:01 AM

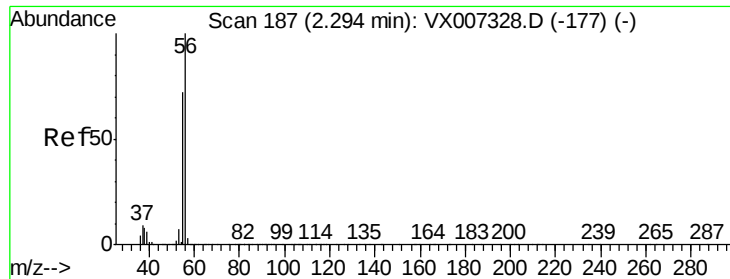


#12

1,1-Dichloroethene
Concen: 44.751 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.1	123.0	184.4
98	63.1	50.9	76.3





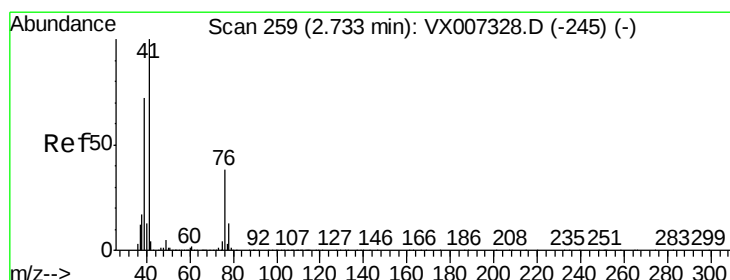
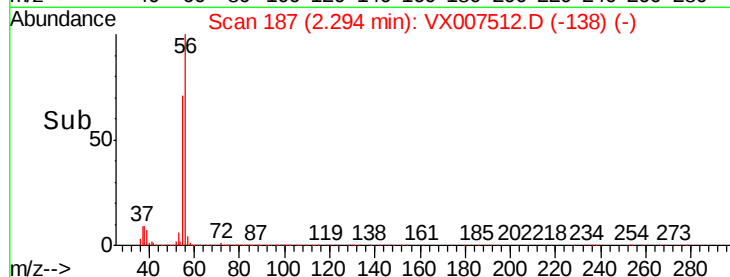
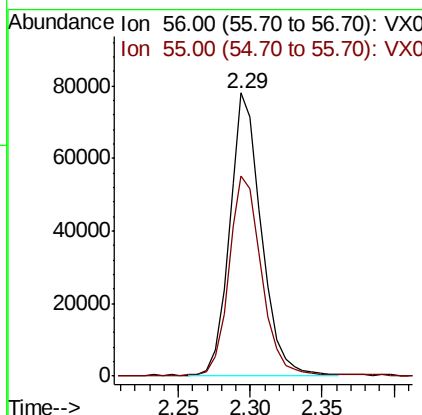
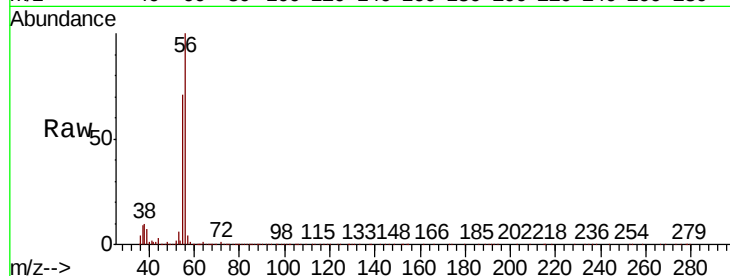
#13
Acrolein
Concen: 242.510 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.5	56.9	85.3

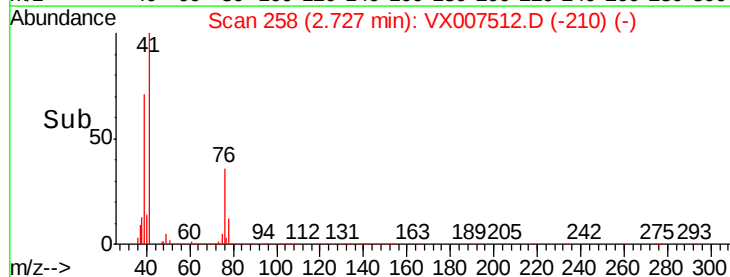
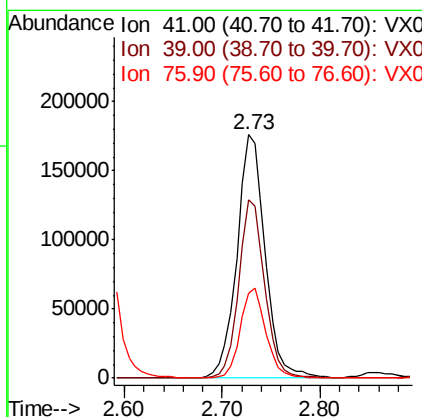
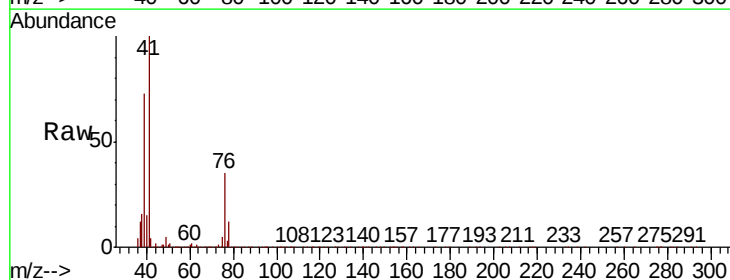
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



#14
Allyl chloride
Concen: 47.232 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.3	54.1	81.1
76	33.3	27.8	41.8





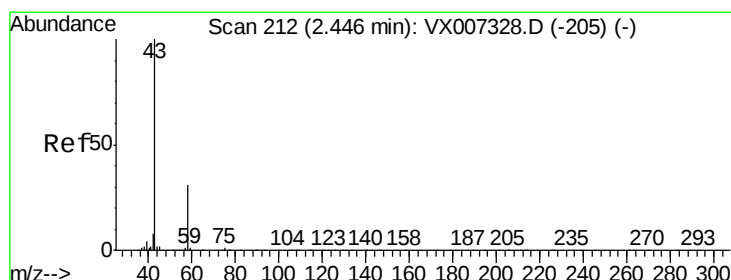
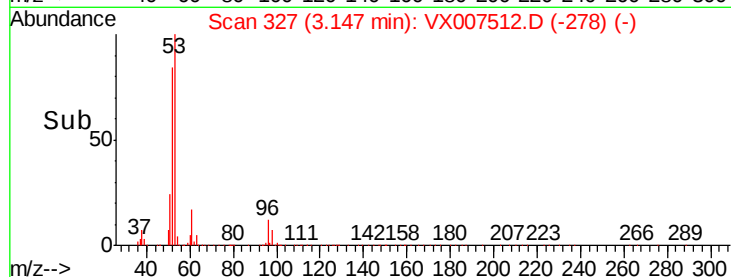
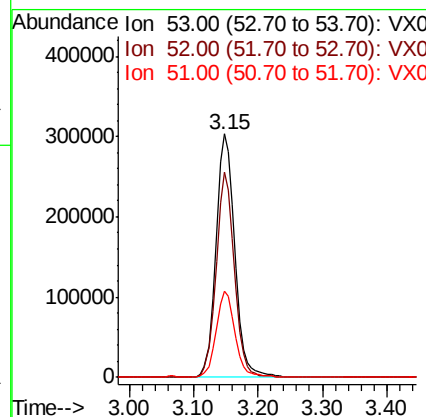
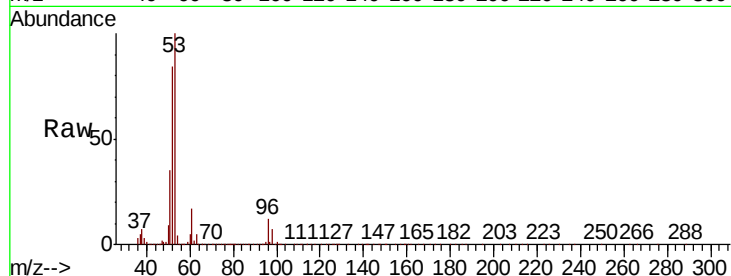
#15
 Acrylonitrile
 Concen: 240.694 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VX007512.D
 Acq: 13 Feb 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	35.5	28.4	42.6

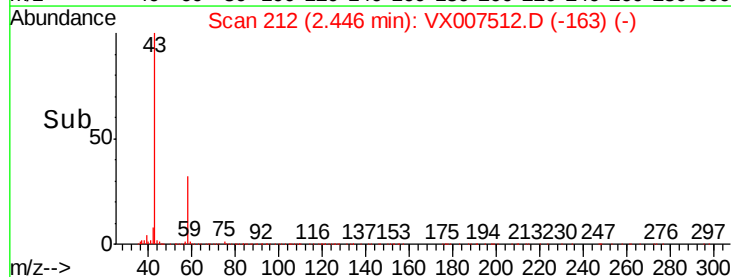
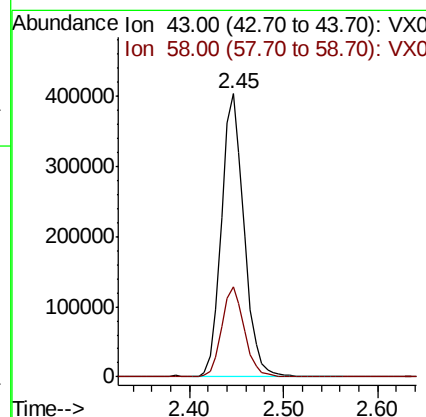
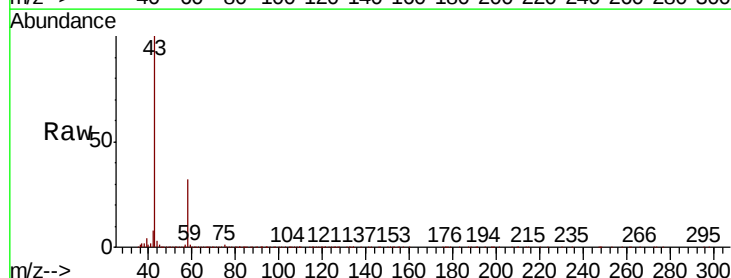
Manual Integrations
 APPROVED

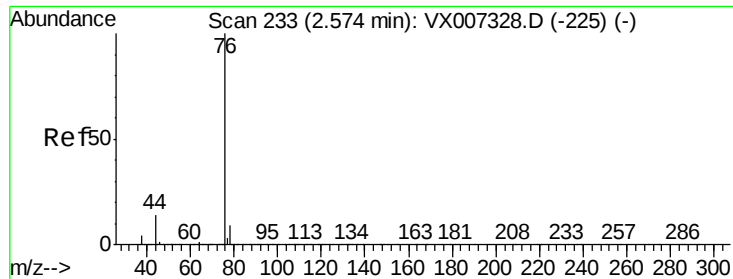
MMDadoda
 2/14/2019 10:48:01 AM



#16
 Acetone
 Concen: 287.672 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX007512.D
 Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.9	37.3





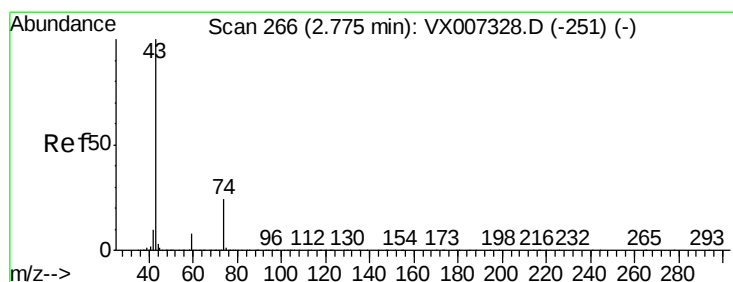
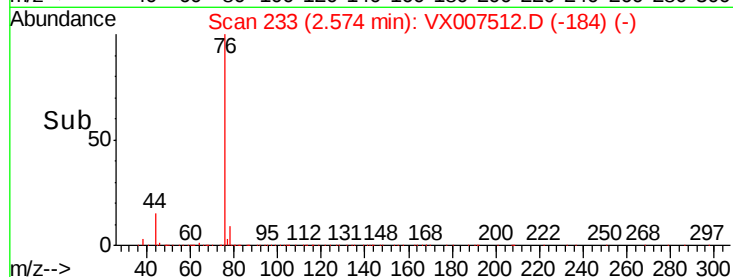
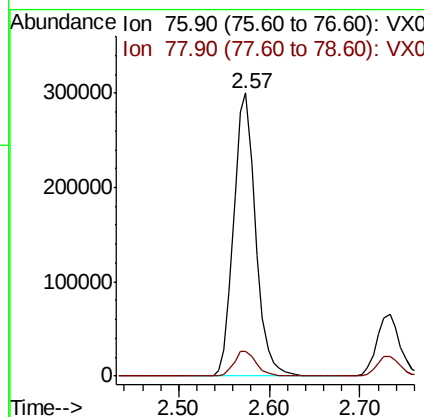
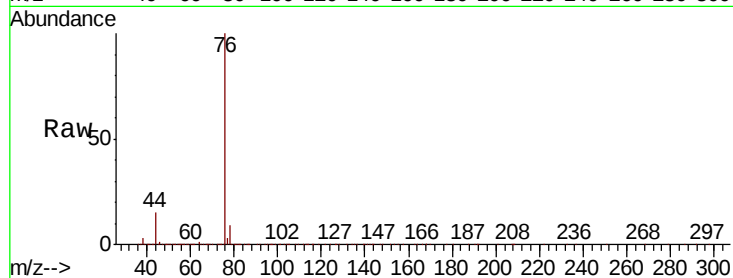
#17
Carbon Disulfide
Concen: 42.629 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

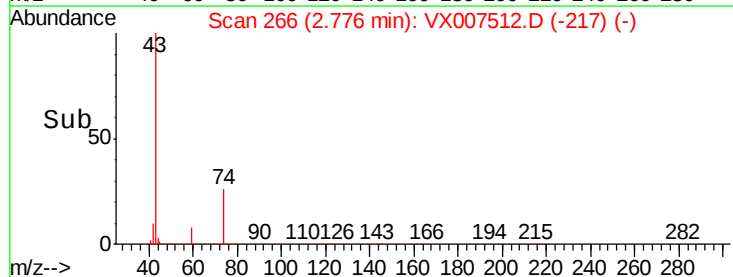
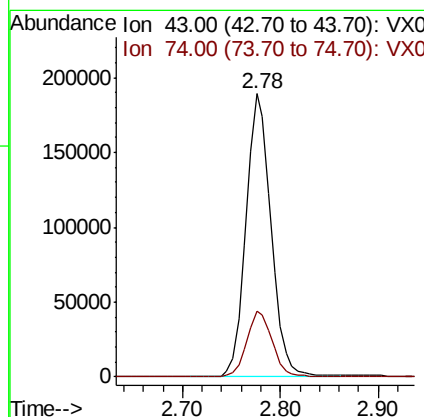
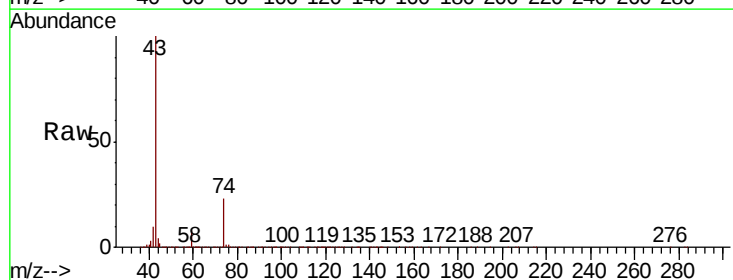
Manual Integrations
APPROVED

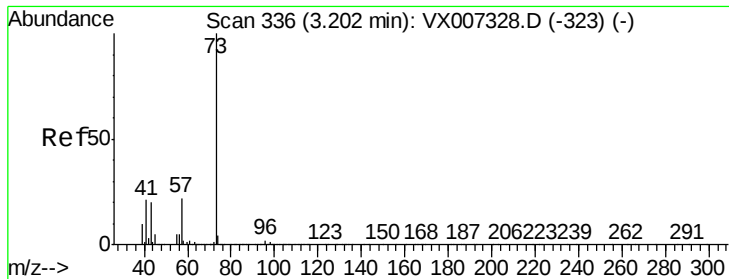
MMDadoda
2/14/2019 10:48:01 AM



#18
Methyl Acetate
Concen: 55.336 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.2





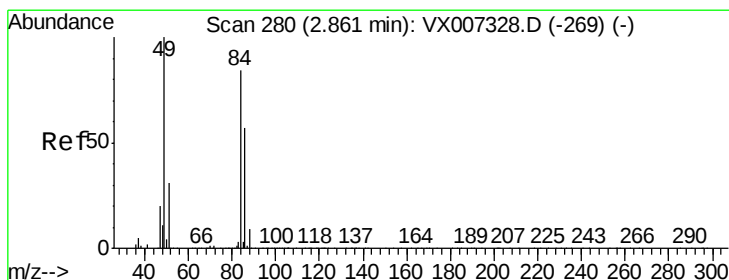
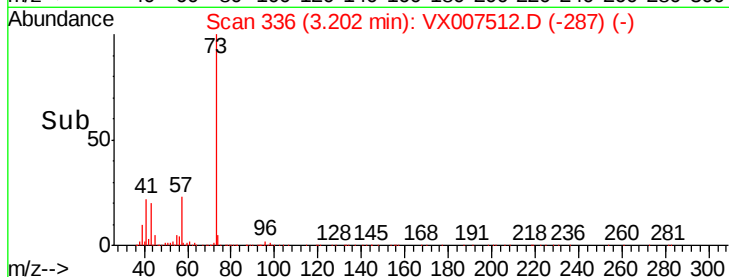
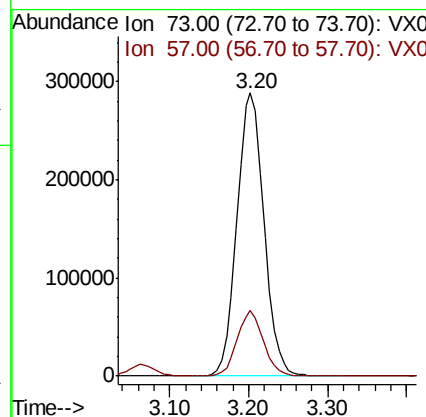
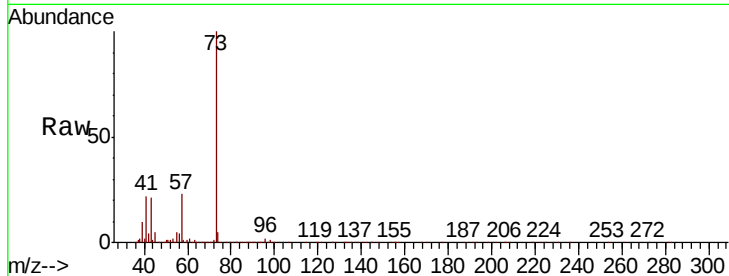
#19
Methvl tert-butvl Ether
Concen: 46.607 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.8	26.8

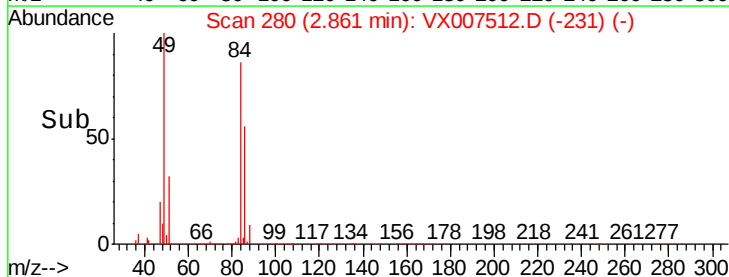
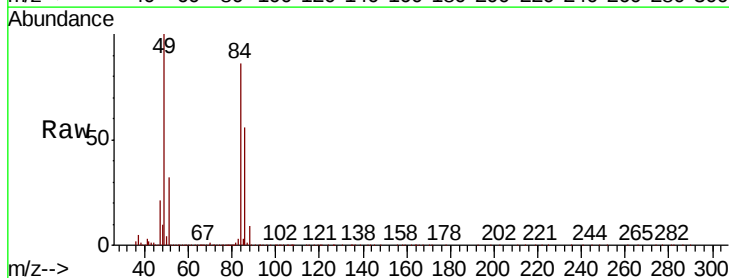
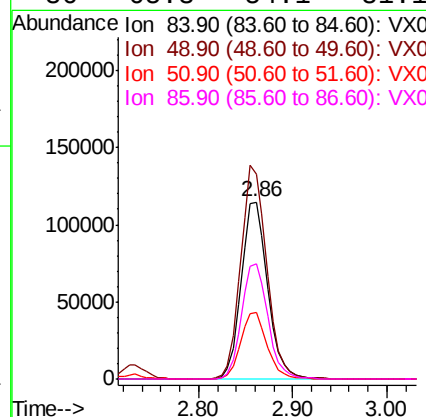
Manual Integrations
APPROVED

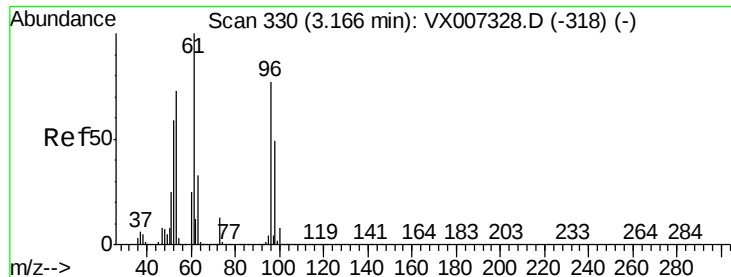
MMDadoda
2/14/2019 10:48:01 AM



#20
Methylene Chloride
Concen: 47.222 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.0	94.8	142.2
51	37.5	29.8	44.8
86	65.3	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 44.341 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

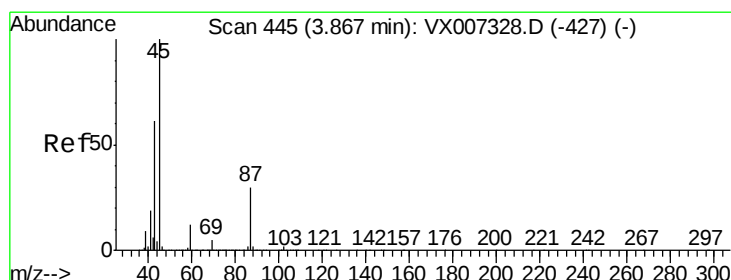
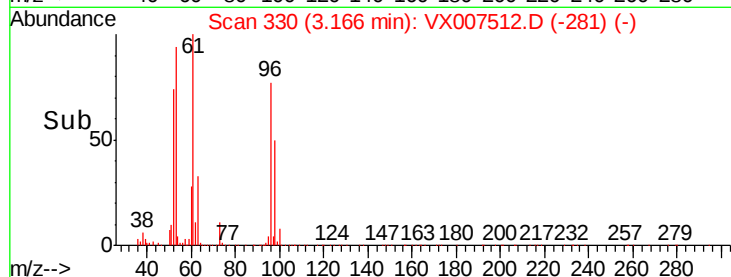
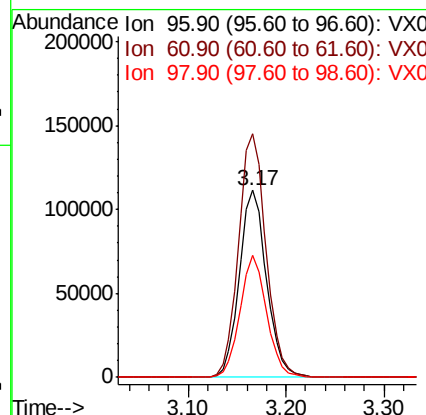
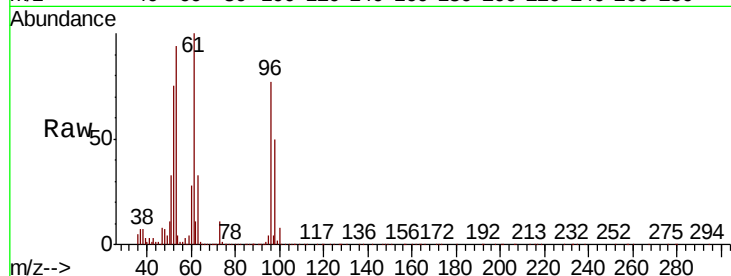
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	214987
Ion	Ratio	Lower	Upper
96	100		
61	130.2	104.6	156.8
98	65.2	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



#22

Diisopropyl ether

Concen: 50.113 ug/l

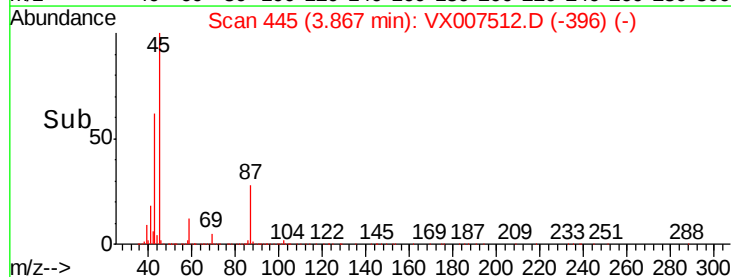
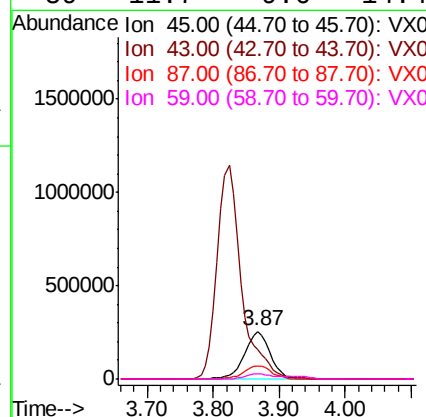
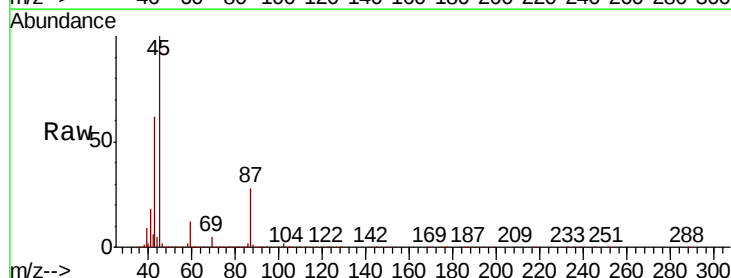
RT: 3.87 min Scan# 445

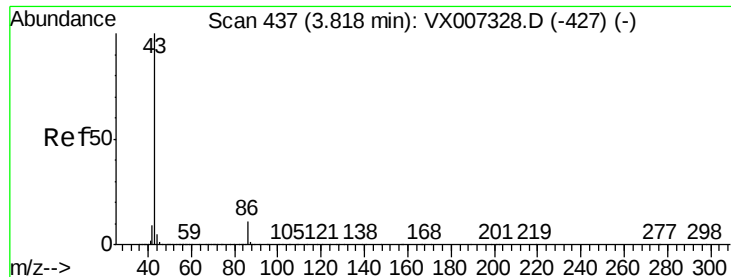
Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Tgt Ion:	45	Resp:	683601
Ion	Ratio	Lower	Upper
45	100		
43	61.5	48.9	73.3
87	27.7	23.9	35.9
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 260.681 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Tot Ion: 43 Resp: 2950870

Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1

Instrument :

MSVOA_X

ClientSampled :

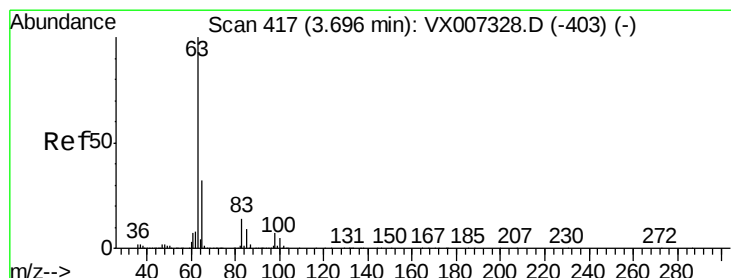
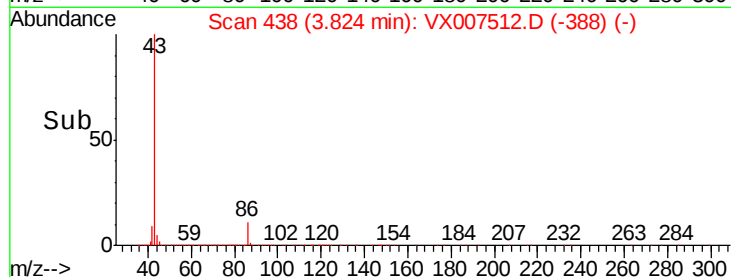
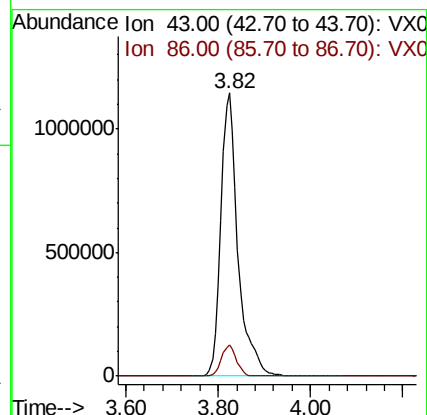
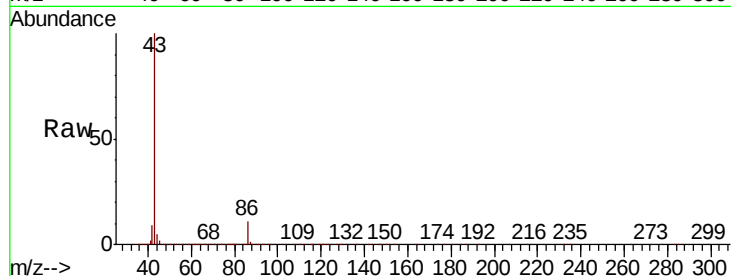
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

2/14/2019 10:48:01 AM



#24

1,1-Dichloroethane

Concen: 49.304 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

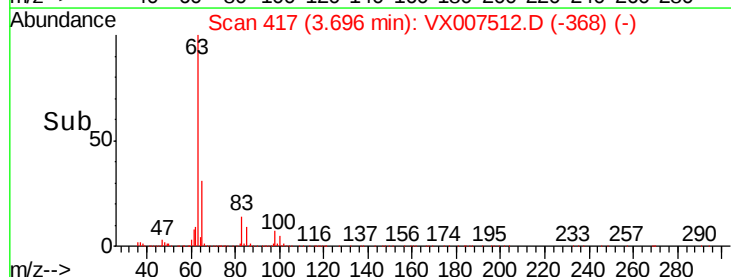
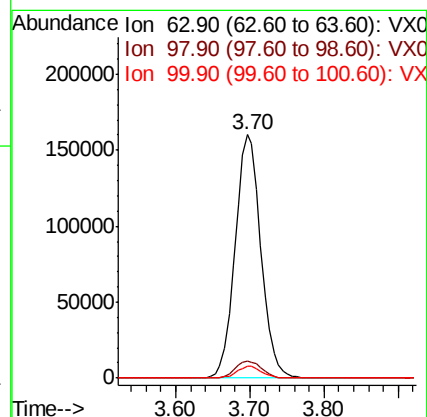
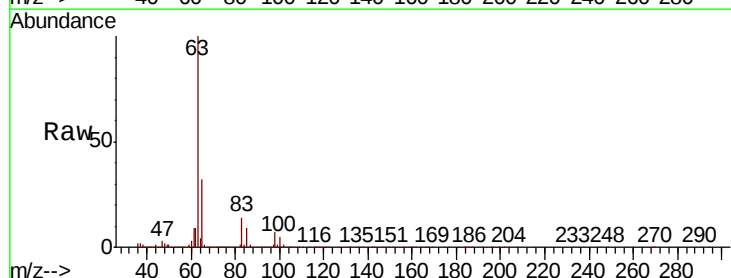
Tgt Ion: 63 Resp: 386240

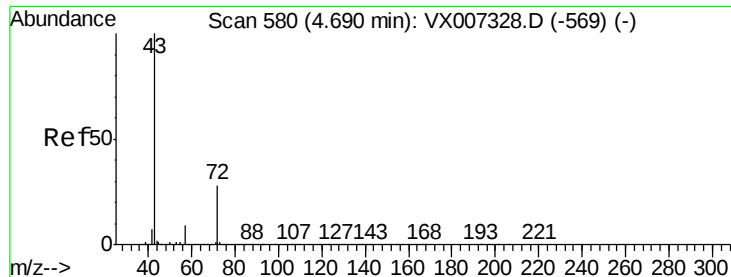
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 4.8 2.5 7.4





#25

2-Butanone

Concen: 268.731 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 886382

Ion Ratio Lower Upper

43 100

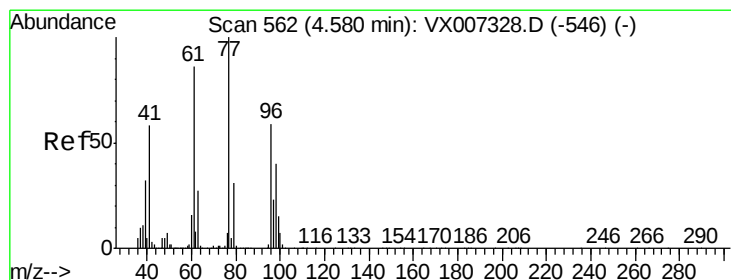
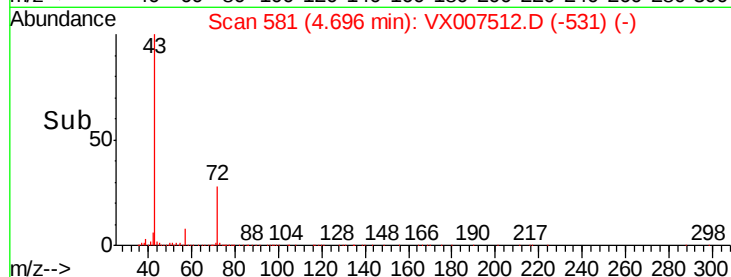
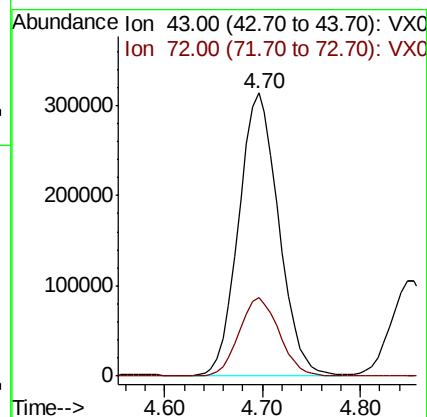
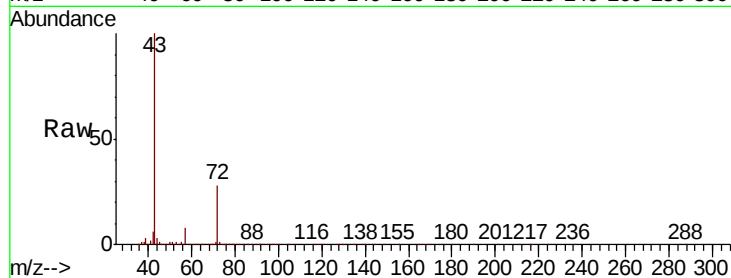
72 27.8 22.2 33.2

Manual Integrations

APPROVED

MMDadoda

2/14/2019 10:48:01 AM



#26

2,2-Dichloropropane

Concen: 50.220 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX007512.D

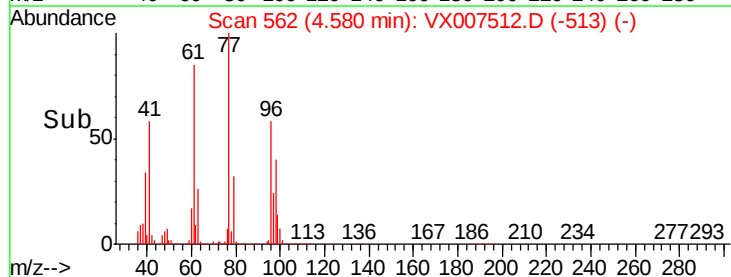
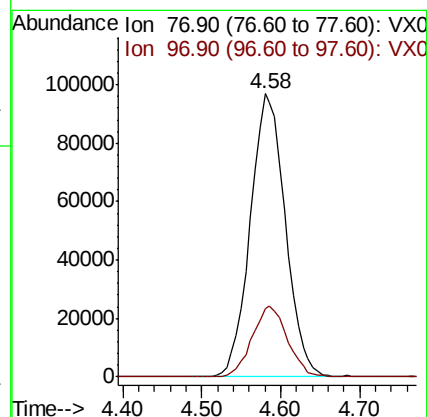
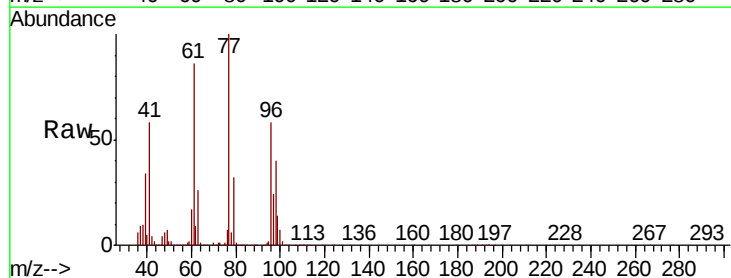
Acq: 13 Feb 2019 10:53

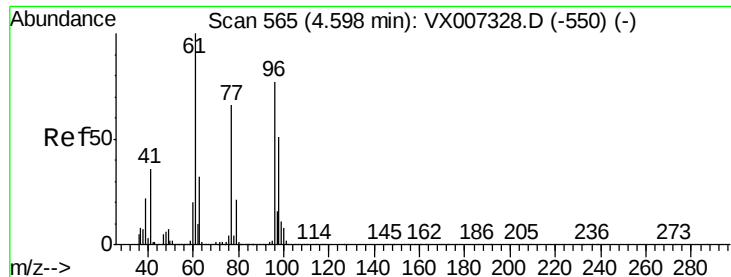
Tgt Ion: 77 Resp: 299610

Ion Ratio Lower Upper

77 100

97 25.2 12.1 36.3





#27

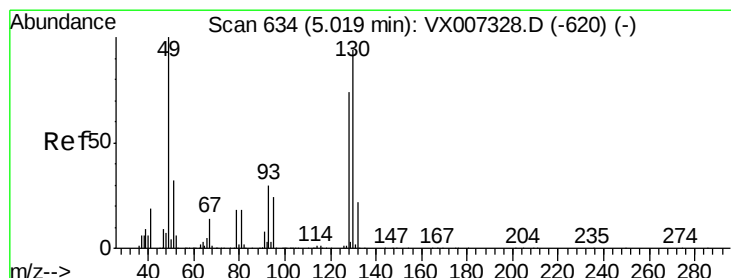
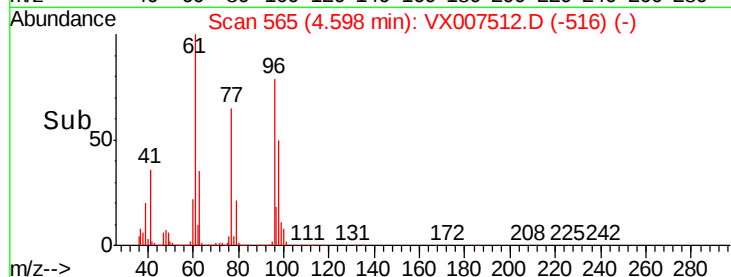
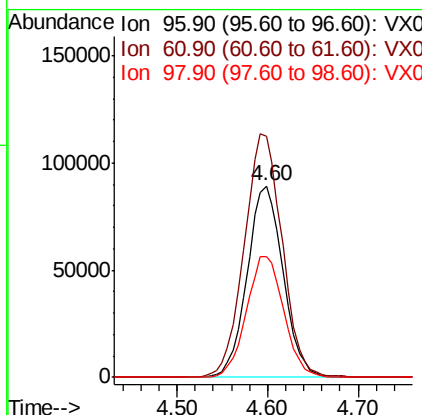
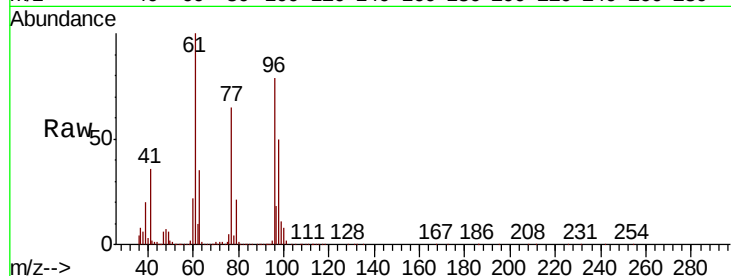
cis-1,2-Dichloroethene
Concen: 46.297 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	245177		
61	134.7	0.0	265.6	
98	65.8	0.0	131.6	

Manual Integrations
APPROVED

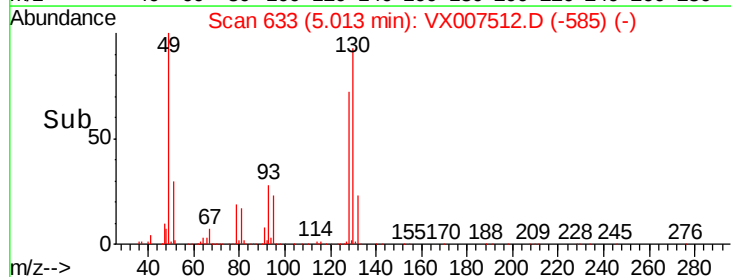
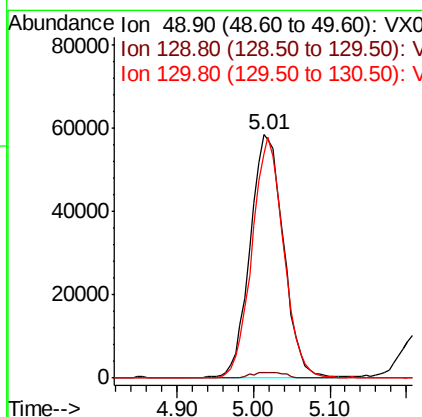
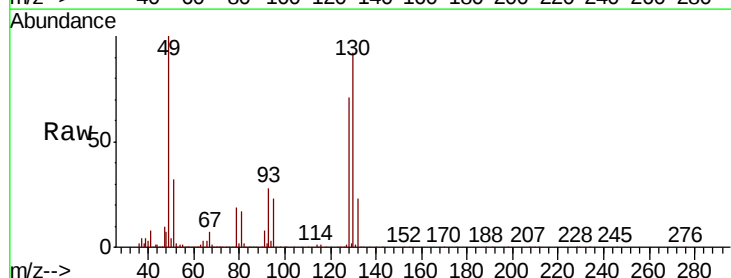
MMDadoda
2/14/2019 10:48:01 AM



#28

Bromochloromethane
Concen: 49.267 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	177485		
129	2.6	0.0	5.6	
130	94.0	75.6	113.4	





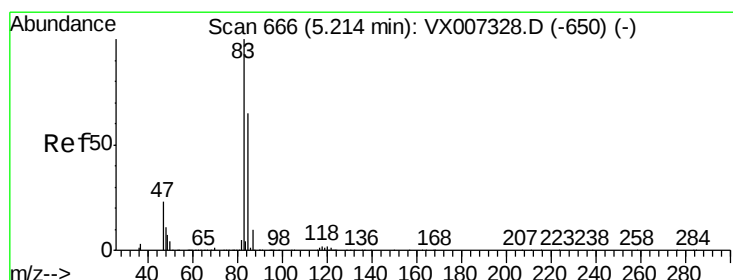
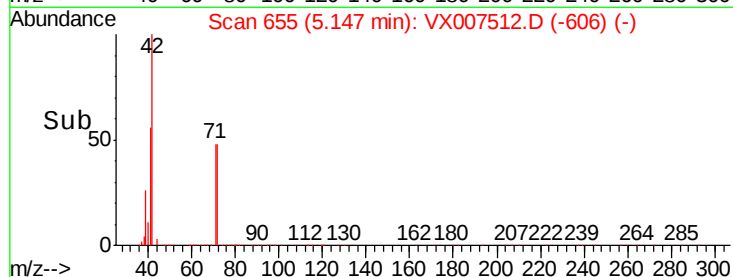
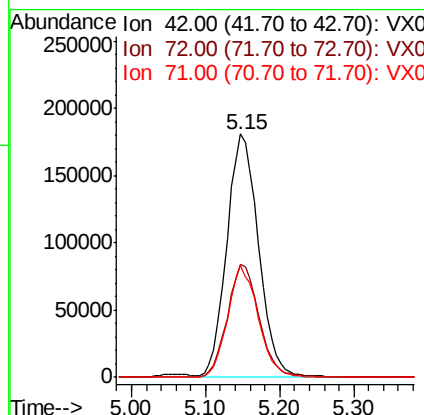
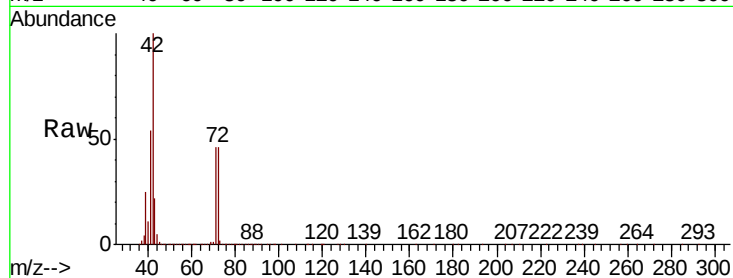
#29
Tetrahydrofuran
Concen: 259.175 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.6	56.4
71	44.3	34.6	51.8

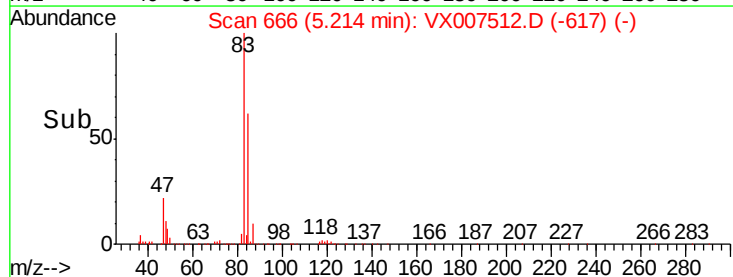
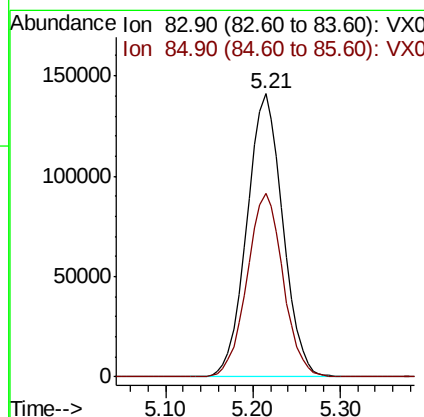
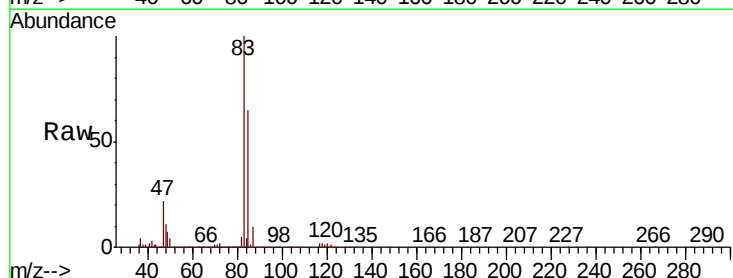
Manual Integrations
APPROVED

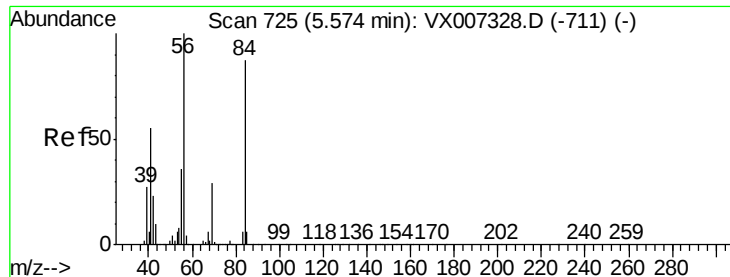
MMDadoda
2/14/2019 10:48:01 AM



#30
Chloroform
Concen: 49.232 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4





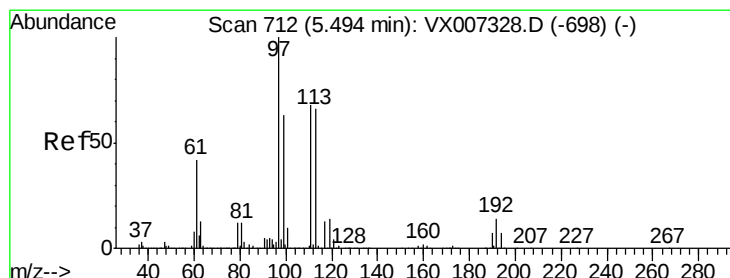
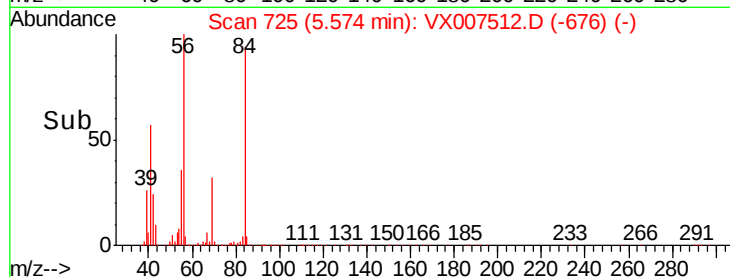
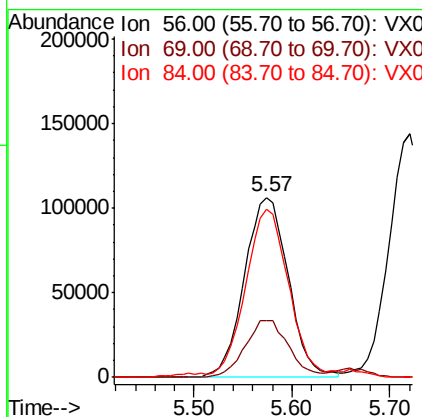
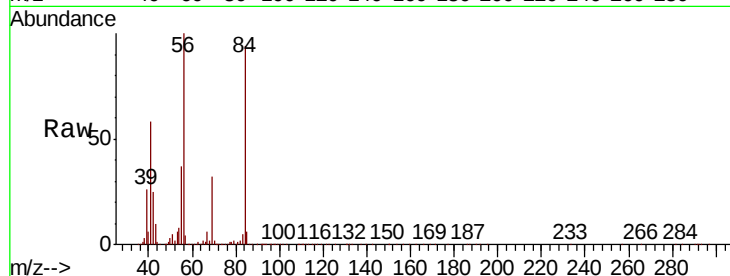
#31
Cyclohexane
Concen: 47.011 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	23.0	34.6
84	91.7	69.8	104.6

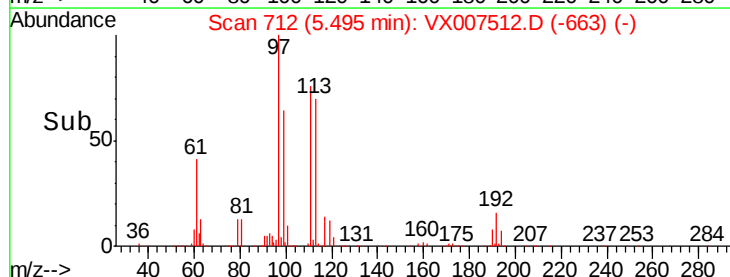
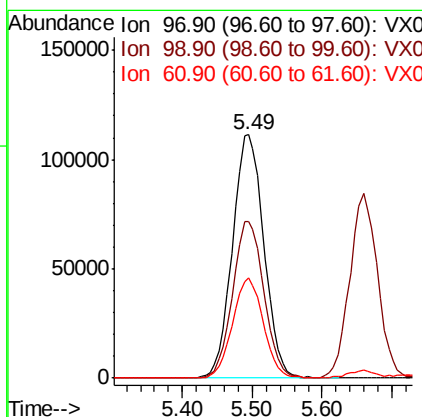
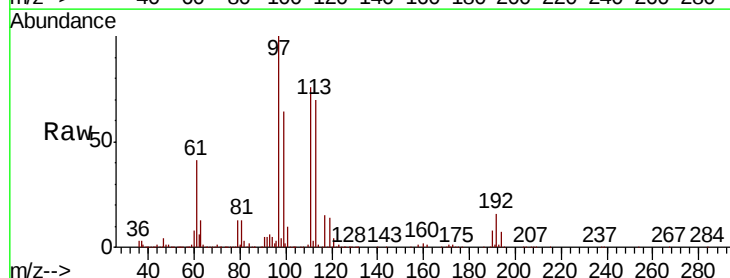
Manual Integrations
APPROVED

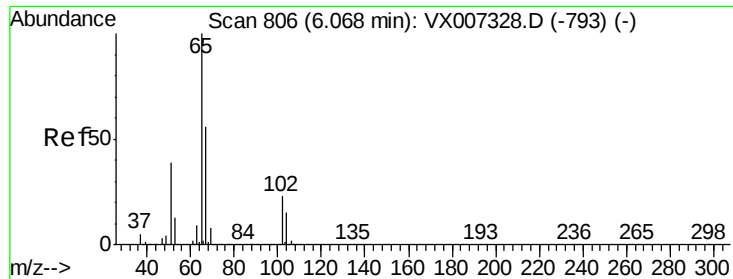
MMDadoda
2/14/2019 10:48:01 AM



#32
1,1,1-Trichloroethane
Concen: 50.126 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.2
61	40.6	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 49.535 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 250634

Ion Ratio Lower Upper

65 100

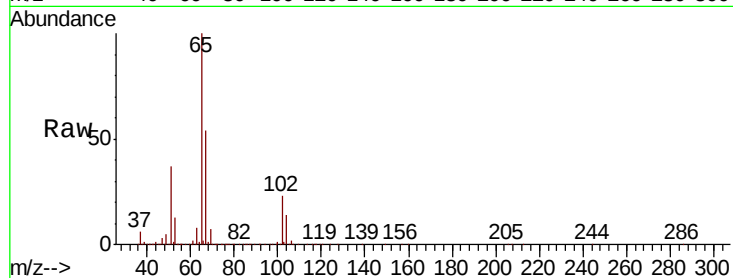
67 53.6 0.0 108.8

Manual Integrations

APPROVED

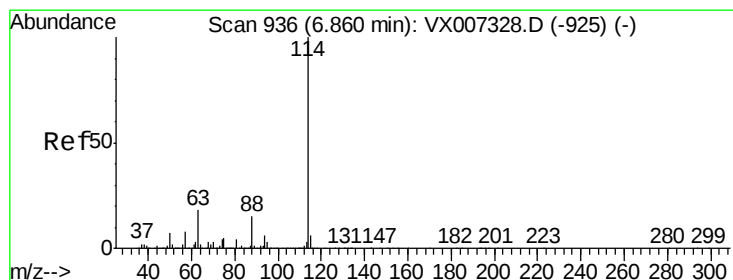
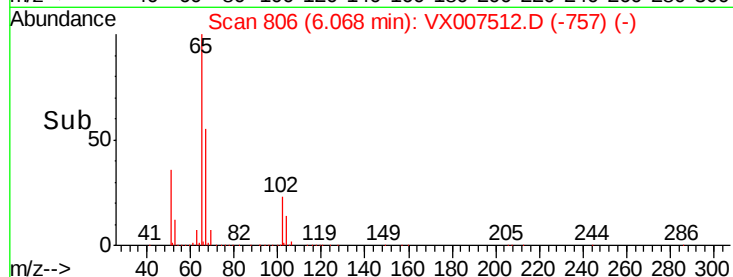
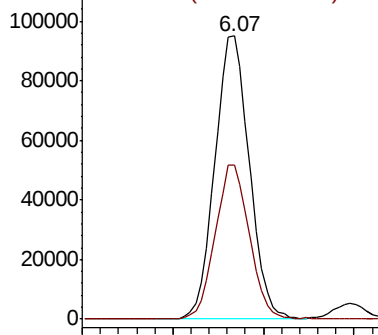
MMDadoda

2/14/2019 10:48:01 AM



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: VX007512.D

Acq: 13 Feb 2019 10:53

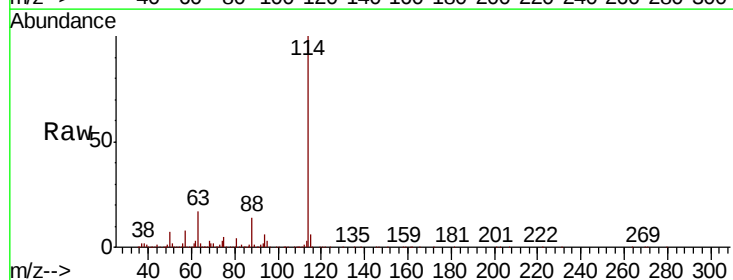
Tgt Ion: 114 Resp: 691685

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.6

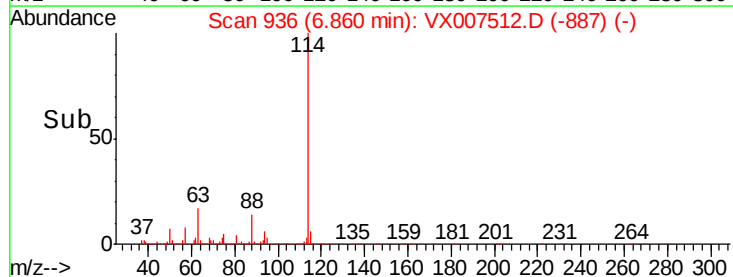
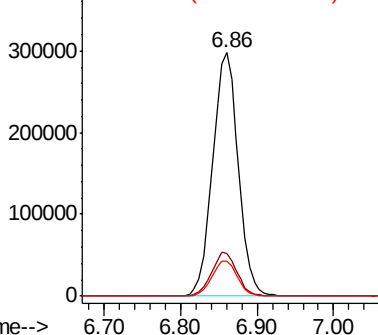
88 14.4 0.0 29.6

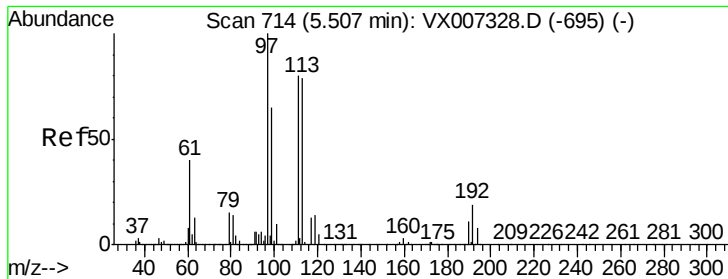


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.165 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

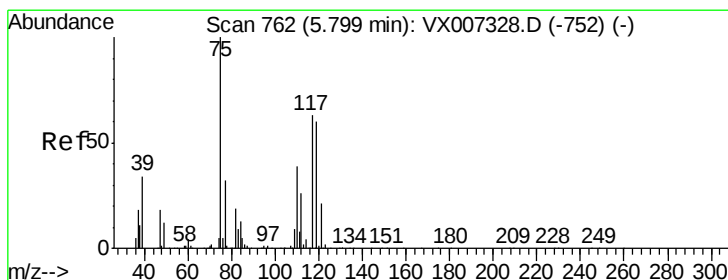
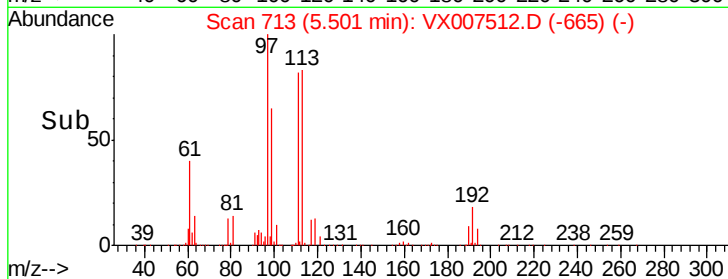
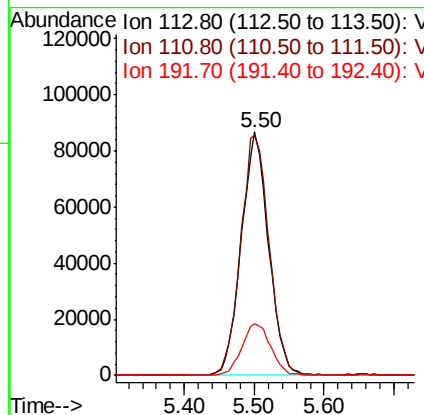
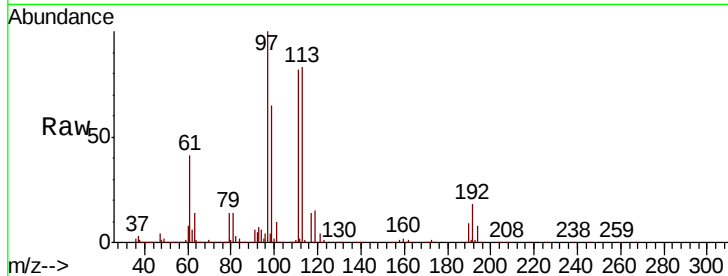
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	234773		
111	103.0	81.8	122.8	
192	22.5	18.5	27.7	

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



#36

1,1-Dichloropropene

Concen: 46.325 ug/l

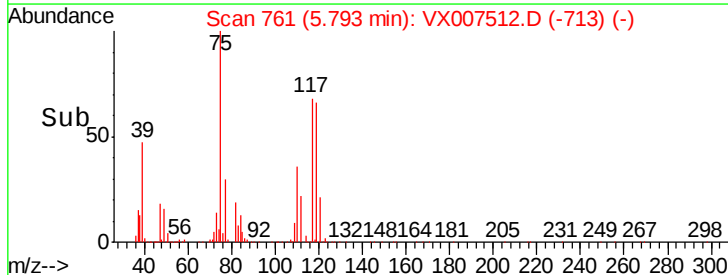
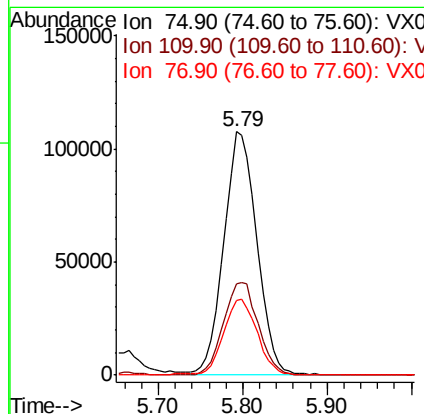
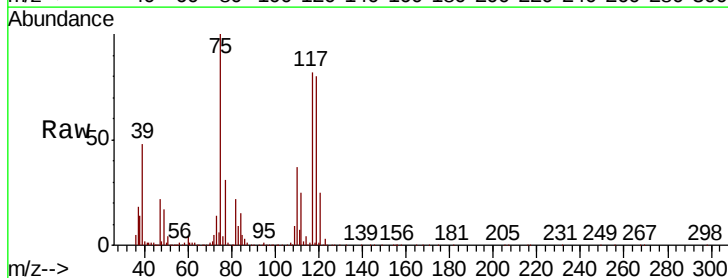
RT: 5.79 min Scan# 761

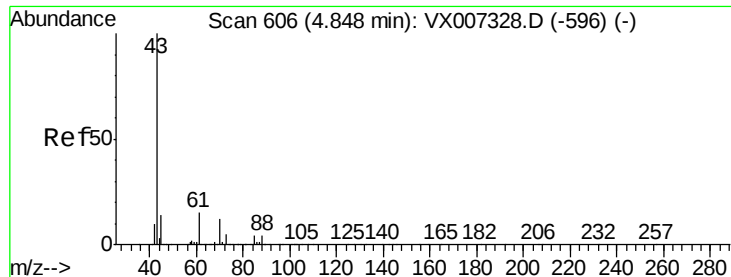
Delta R.T. -0.01 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	287494		
110	40.0	20.0	59.9	
77	31.5	24.7	37.1	





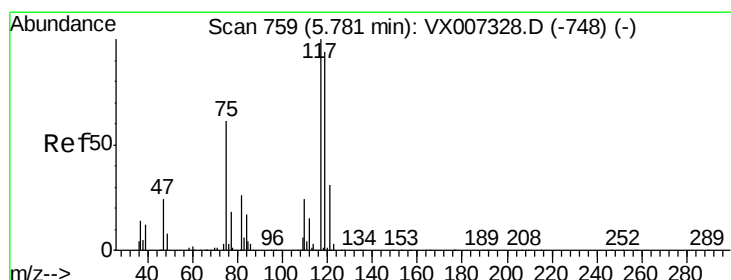
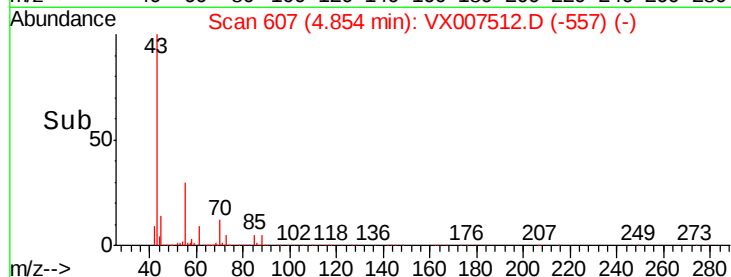
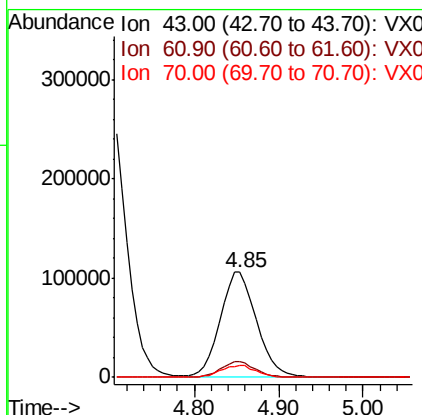
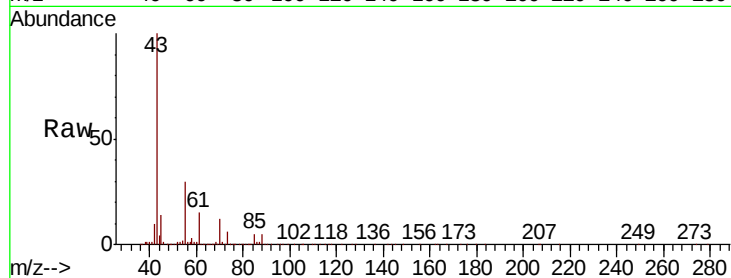
#37
Ethyl Acetate
Concen: 49.448 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	310216
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.3	16.9
70	11.0	8.6	13.0

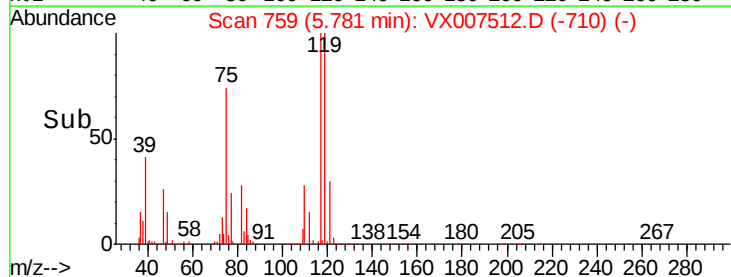
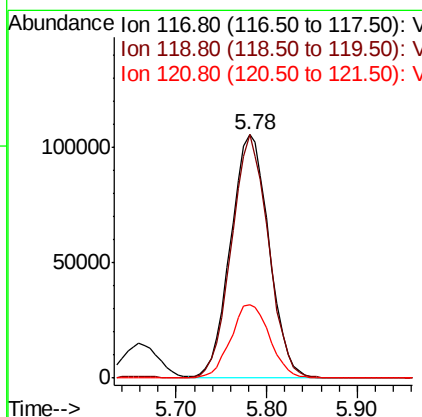
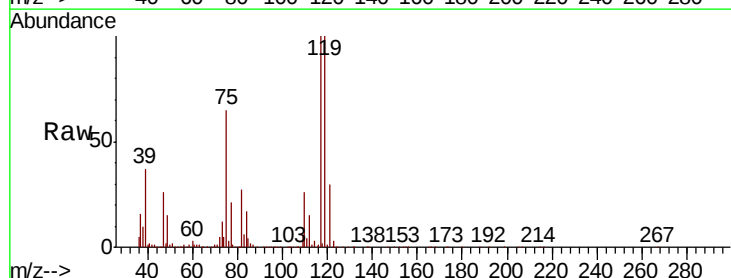
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



#38
Carbon Tetrachloride
Concen: 51.453 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion:	117	Resp:	309792
Ion	Ratio	Lower	Upper
117	100		
119	100.1	75.3	112.9
121	29.9	25.0	37.4





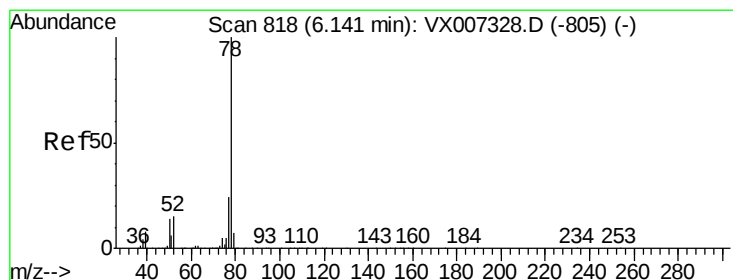
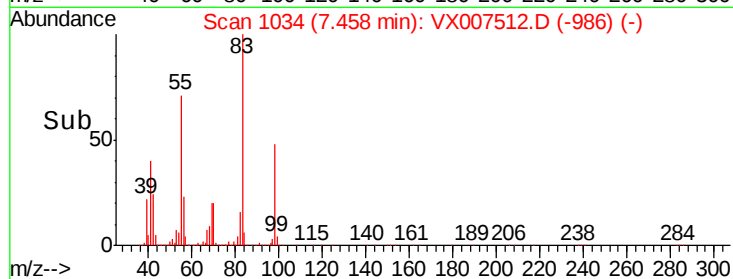
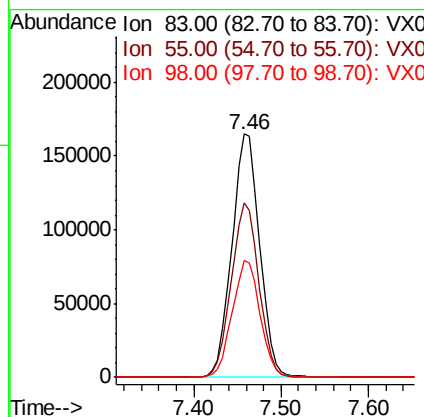
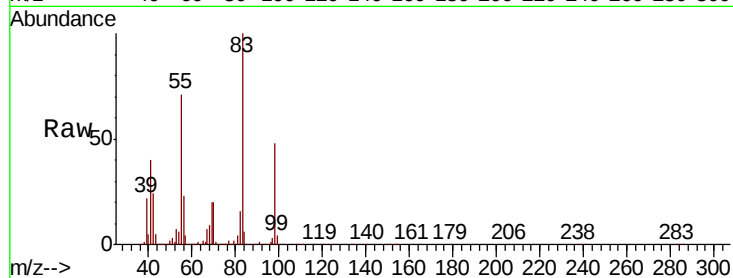
#39
Methvlcvclohexane
Concen: 48.650 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	56.2	84.2
98	48.2	36.8	55.2

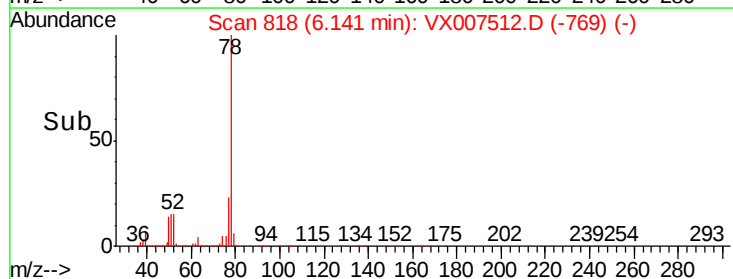
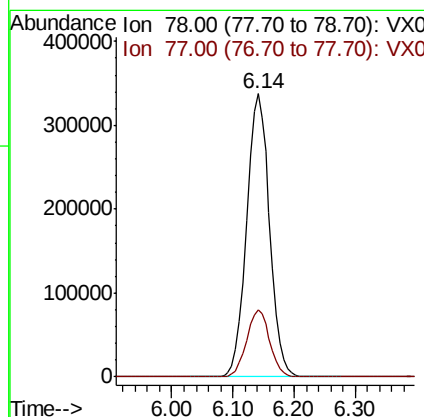
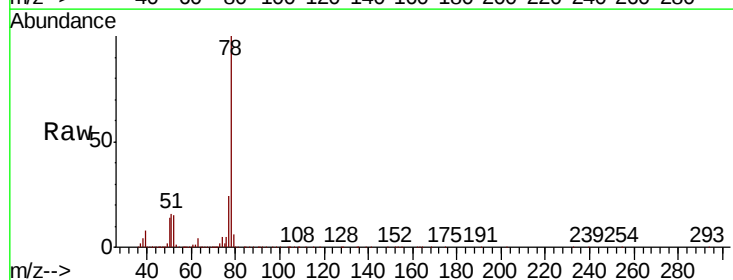
Manual Integrations
APPROVED

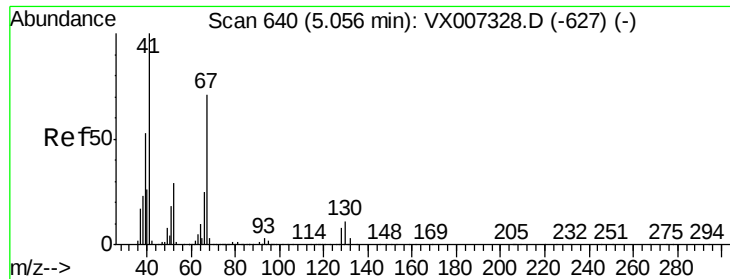
MMDadoda
2/14/2019 10:48:01 AM



#40
Benzene
Concen: 48.093 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





#41

Methacrylonitrile

Concen: 51.749 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

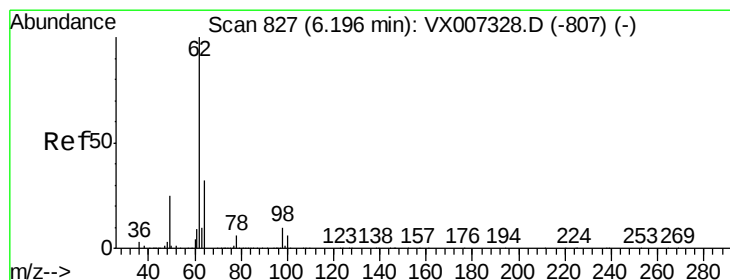
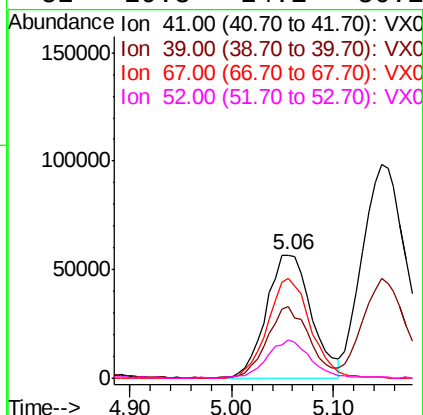
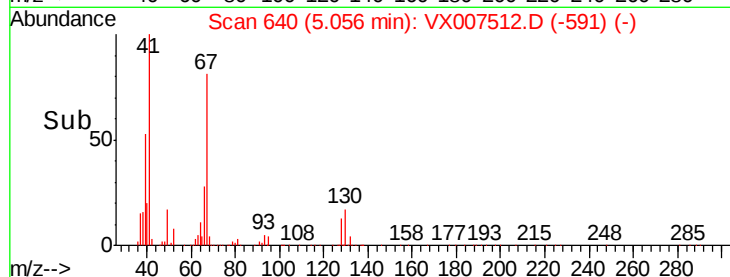
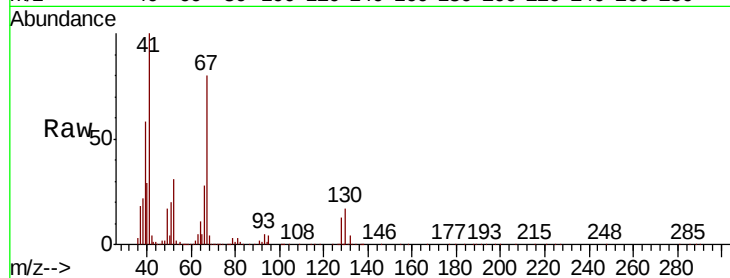
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		173997		
39	54.5	44.5	66.7		
67	76.9	60.4	90.6		
52	29.3	24.1	36.1		

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



#42

1,2-Dichloroethane

Concen: 47.786 ug/l

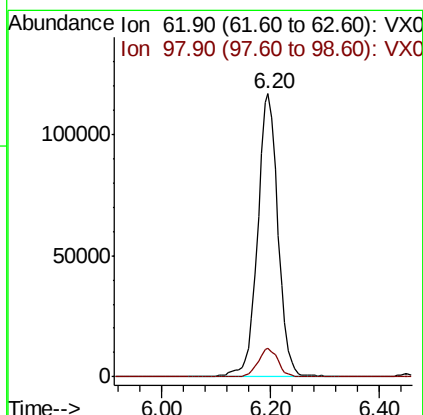
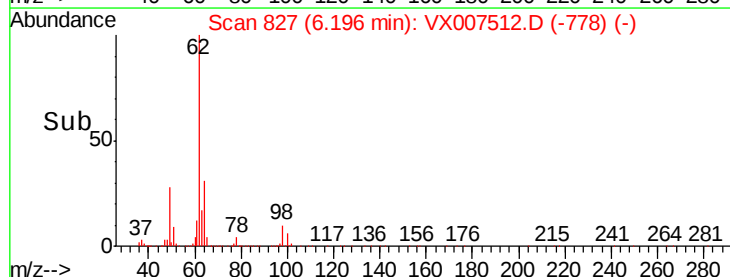
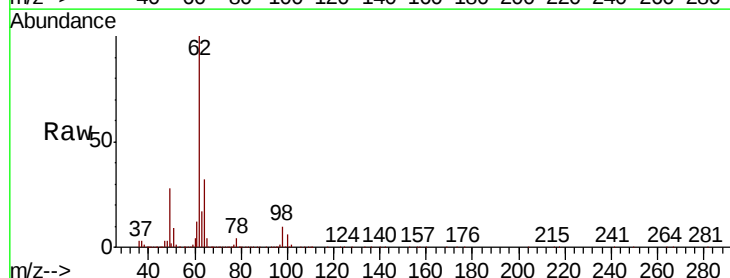
RT: 6.20 min Scan# 827

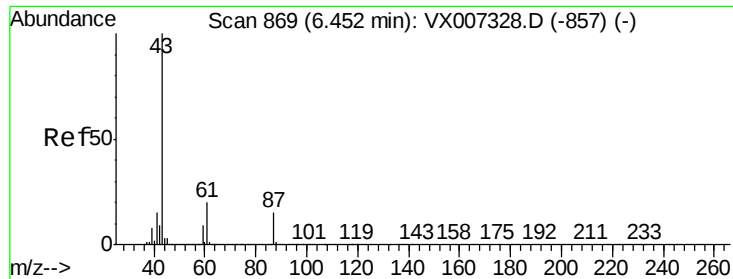
Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		302258		
98	10.0	0.0	19.0		





#43

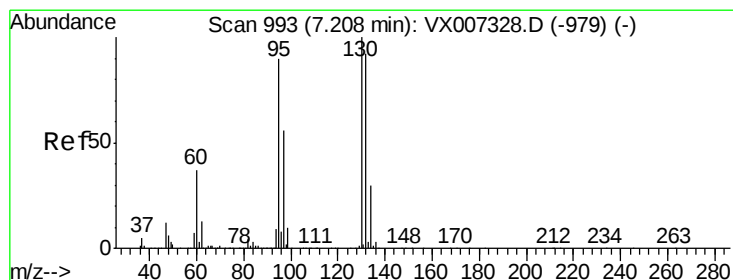
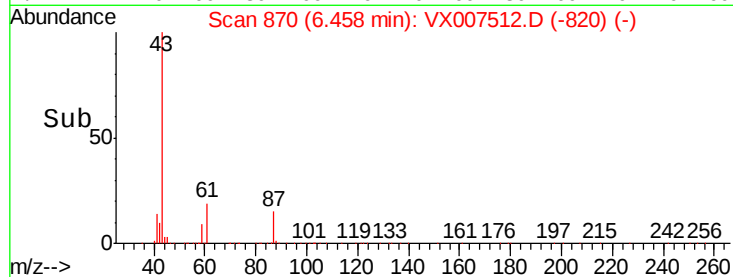
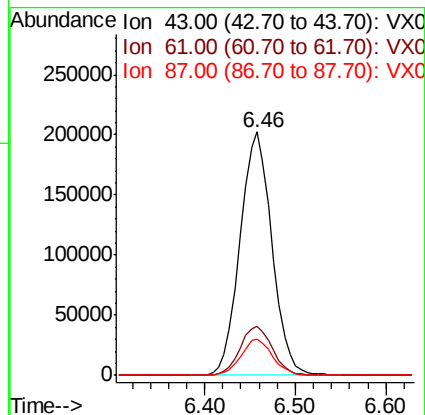
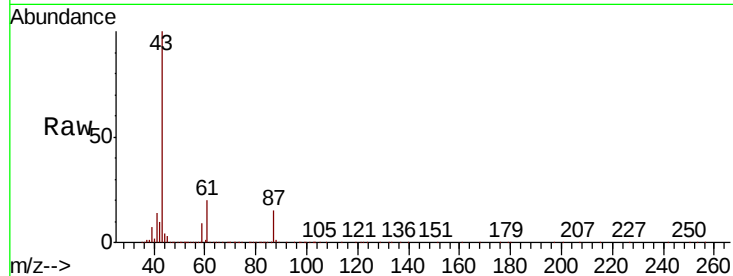
Isopropyl Acetate
 Concen: 50.729 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007512.D
 Acq: 13 Feb 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.1	24.1
87	14.7	11.5	17.3

Manual Integrations
 APPROVED

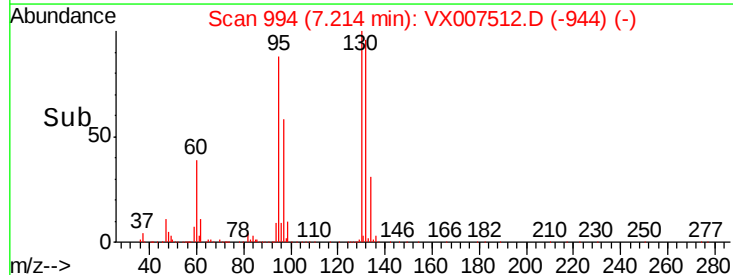
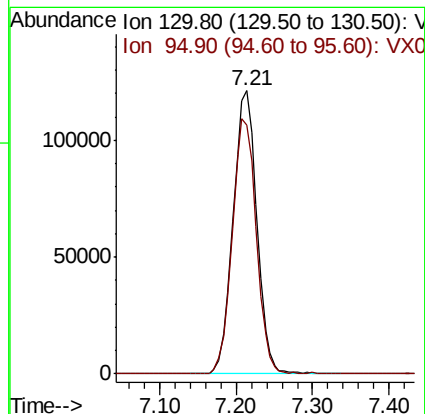
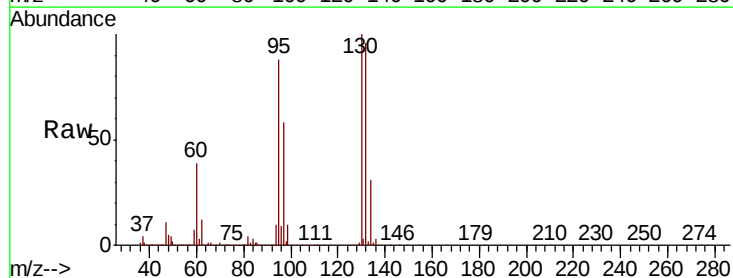
MMDadoda
 2/14/2019 10:48:01 AM

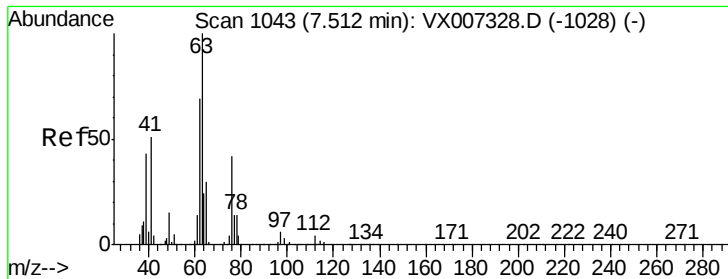


#44

Trichloroethene
 Concen: 47.338 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007512.D
 Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.7	0.0	180.0





#45

1,2-Dichloropropane

Concen: 48.204 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 220795

Ion Ratio Lower Upper

63 100

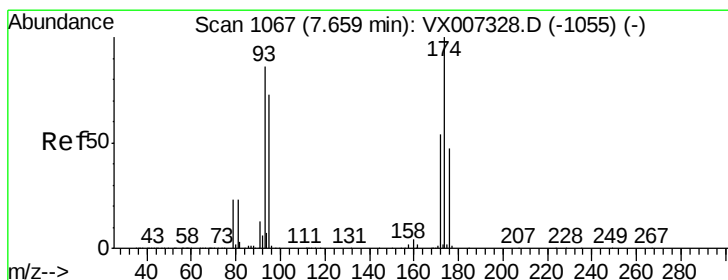
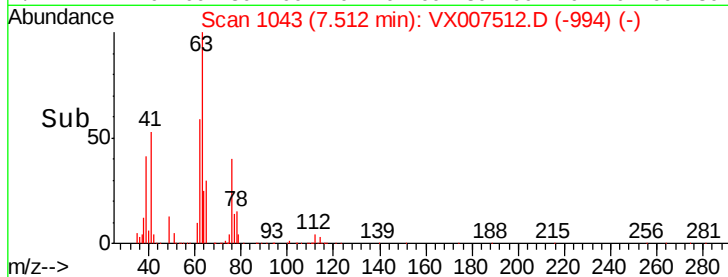
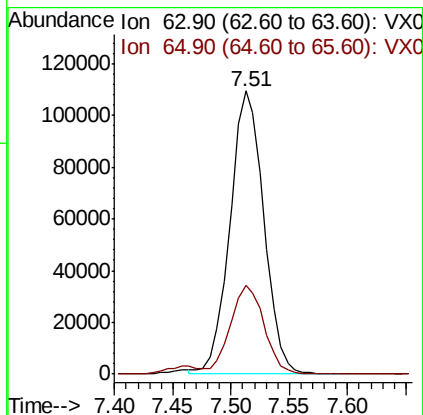
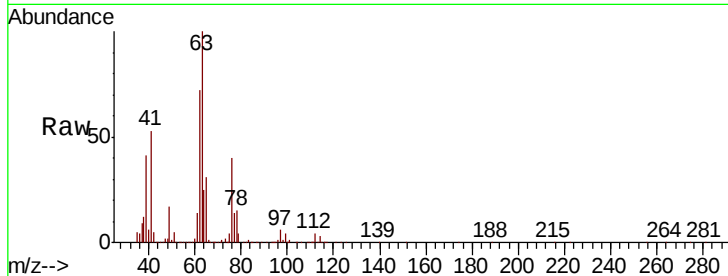
65 31.2 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

2/14/2019 10:48:01 AM



#46

Dibromomethane

Concen: 48.339 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

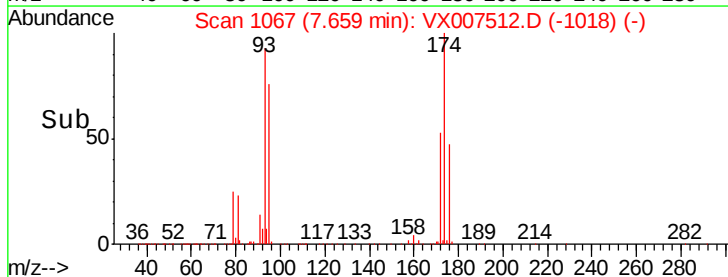
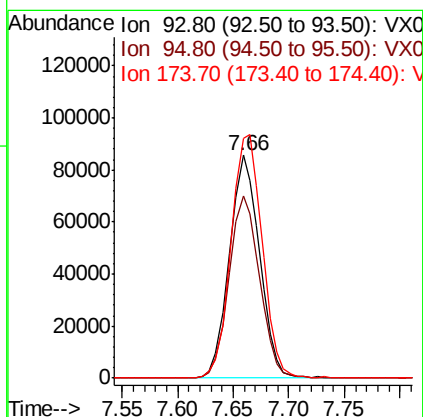
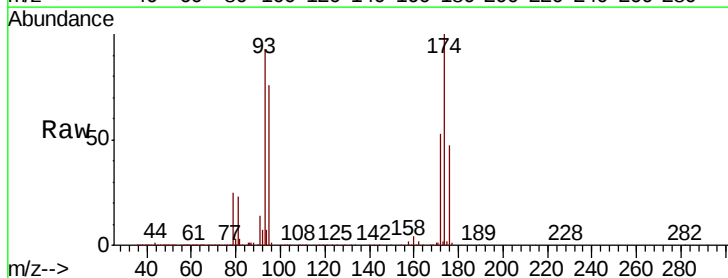
Tgt Ion: 93 Resp: 160923

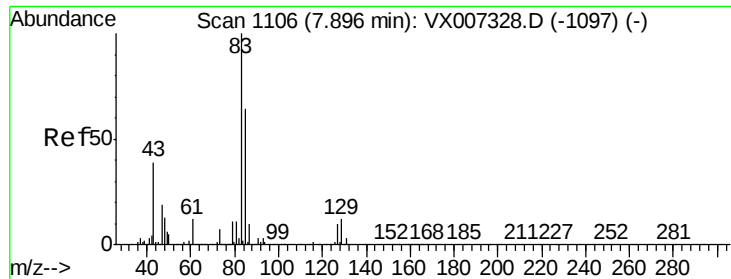
Ion Ratio Lower Upper

93 100

95 82.9 67.6 101.4

174 112.7 94.2 141.4





#47

Bromodichloromethane

Concen: 51.909 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

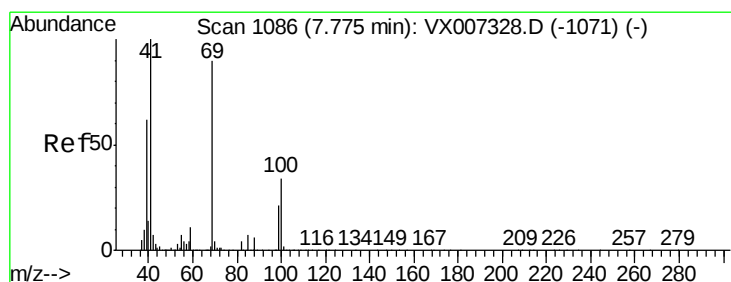
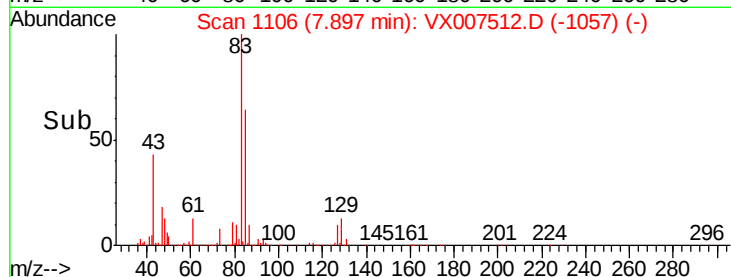
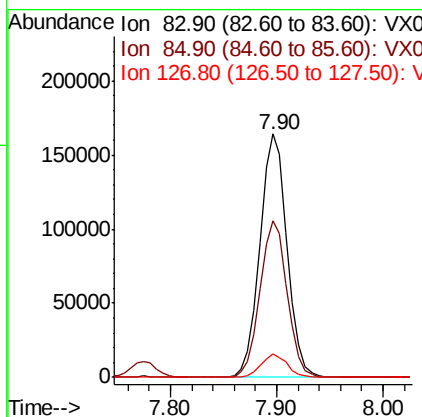
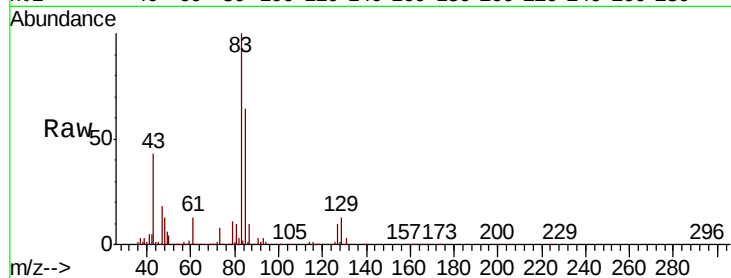
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	292873
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.4	77.0
127	9.8	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



#48

Methyl methacrylate

Concen: 51.461 ug/l

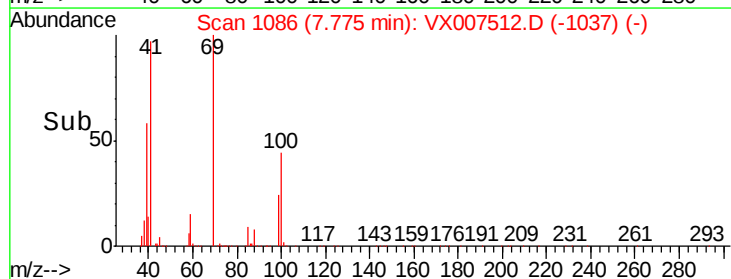
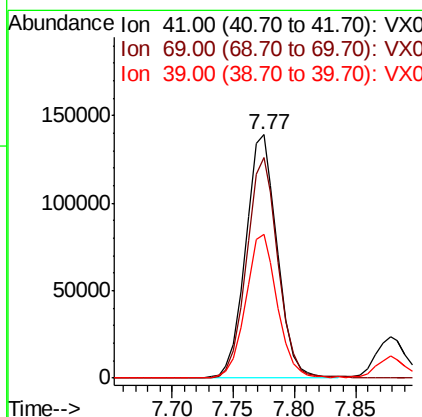
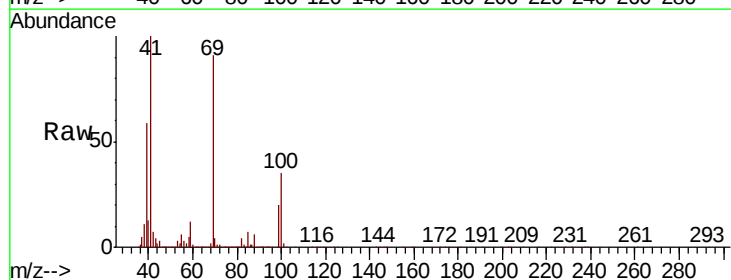
RT: 7.77 min Scan# 1086

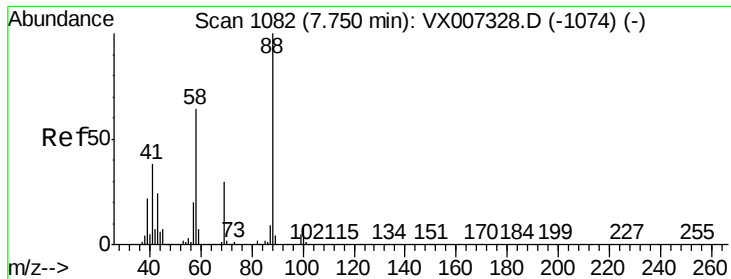
Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Tgt Ion:	41	Resp:	249254
Ion Ratio	Lower	Upper	
41	100		
69	90.1	70.2	105.4
39	59.0	47.4	71.0





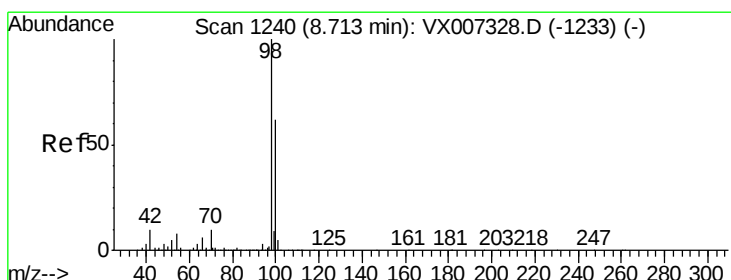
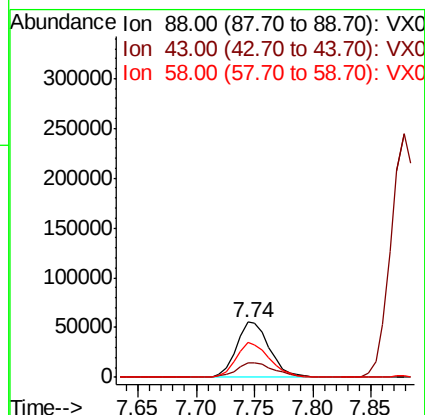
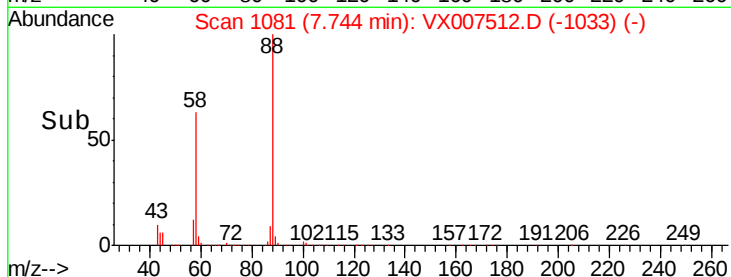
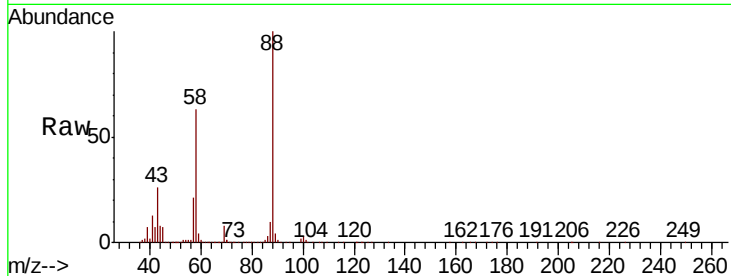
#49
1,4-Dioxane
Concen: 1000.463 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	24.2	36.4
58	63.1	53.0	79.4

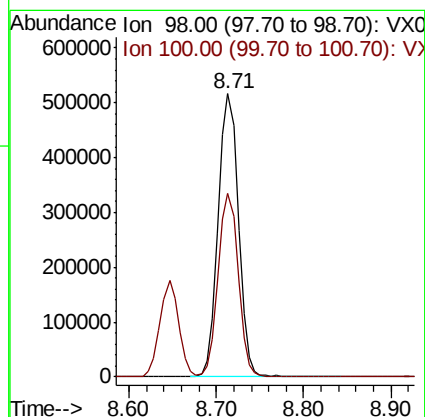
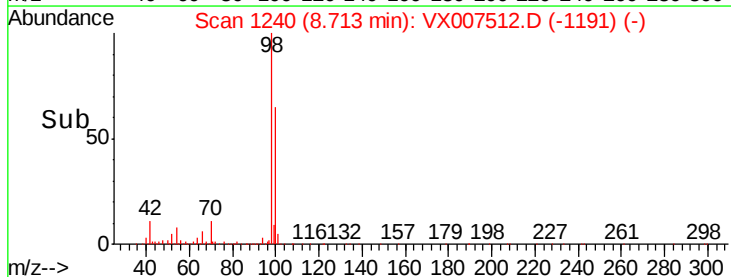
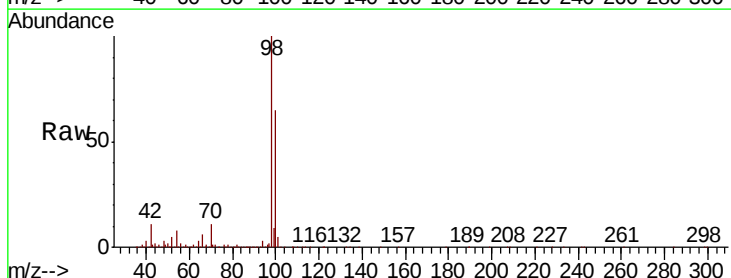
Manual Integrations
APPROVED

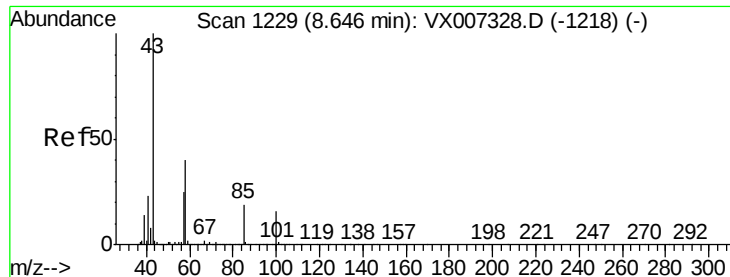
MMDadoda
2/14/2019 10:48:01 AM



#50
Toluene-d8
Concen: 49.577 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 252.322 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1608449

Ion Ratio Lower Upper

43 100

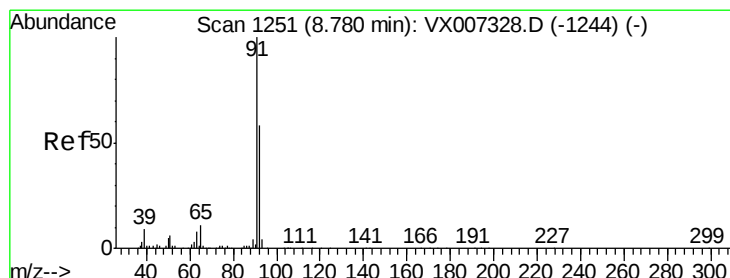
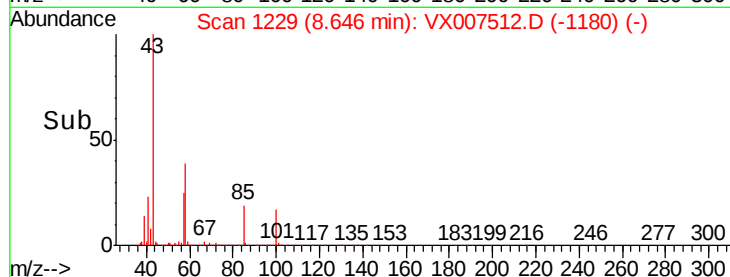
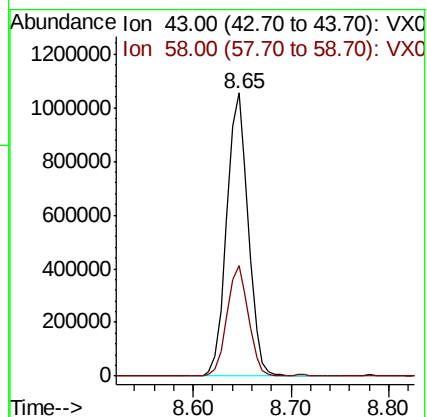
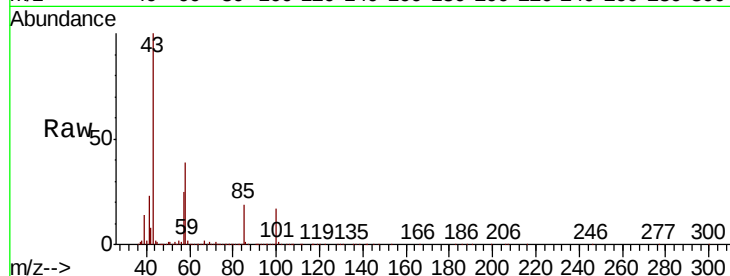
58 38.9 31.2 46.8

Manual Integrations

APPROVED

MMDadoda

2/14/2019 10:48:01 AM



#52

Toluene

Concen: 47.269 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007512.D

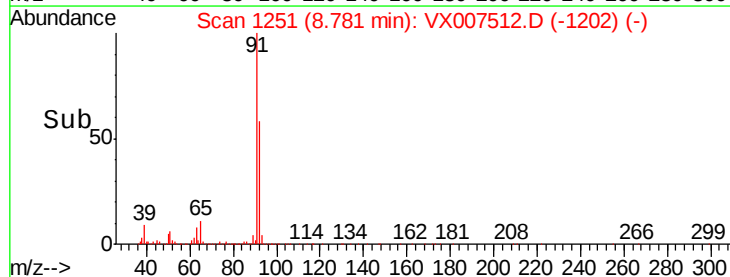
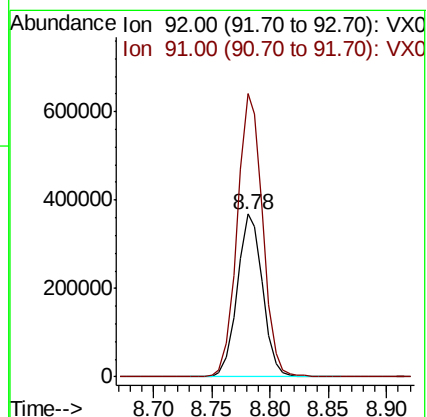
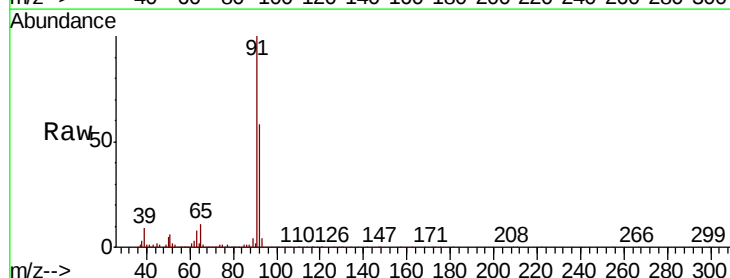
Acq: 13 Feb 2019 10:53

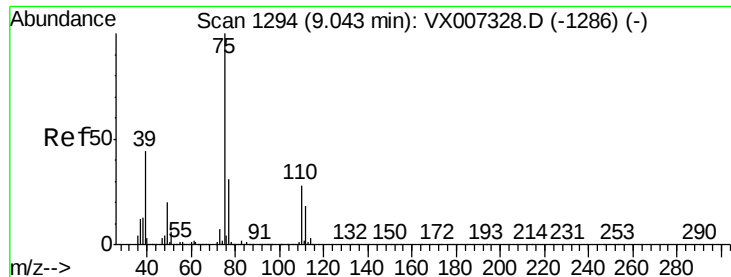
Tgt Ion: 92 Resp: 557535

Ion Ratio Lower Upper

92 100

91 174.5 139.1 208.7





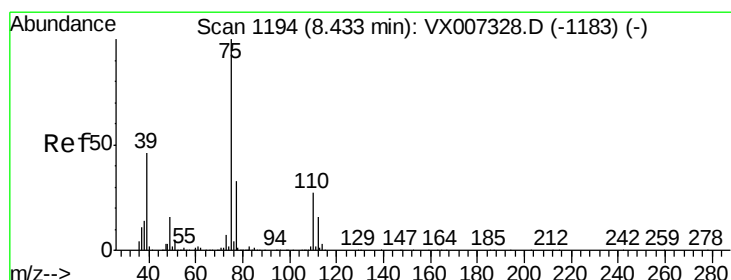
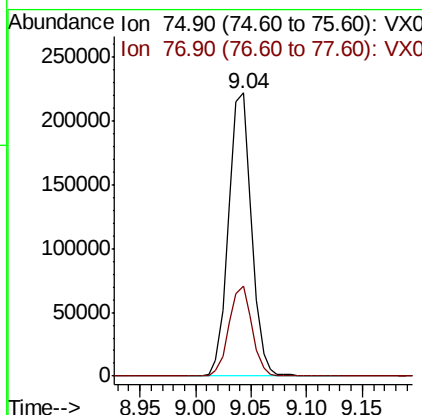
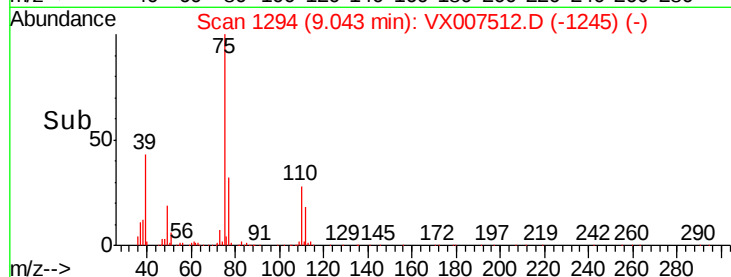
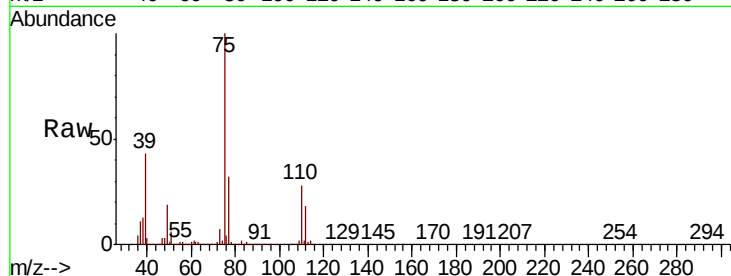
#53
t-1,3-Dichloropropene
Concen: 52.167 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8

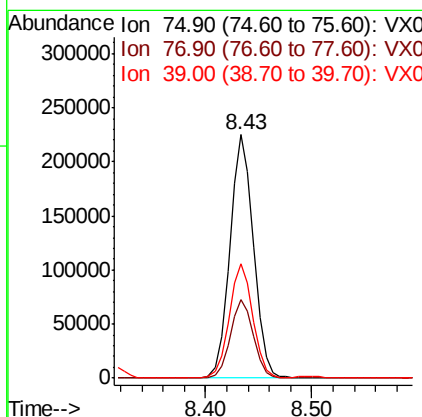
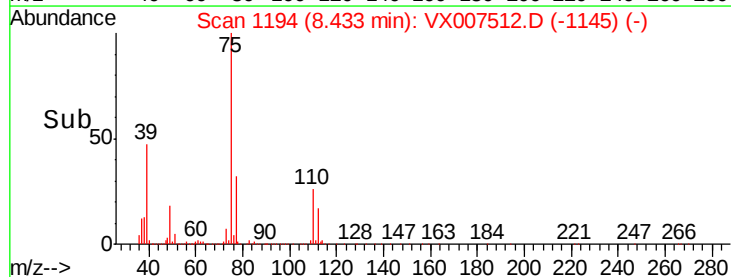
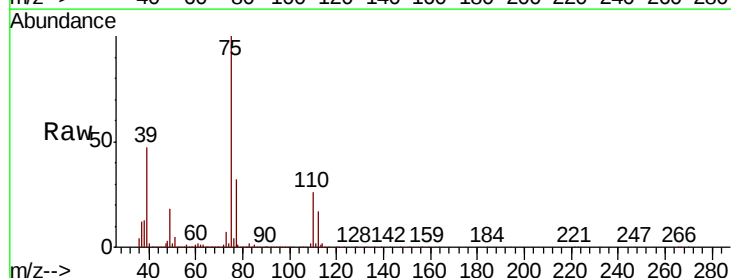
Manual Integrations
APPROVED

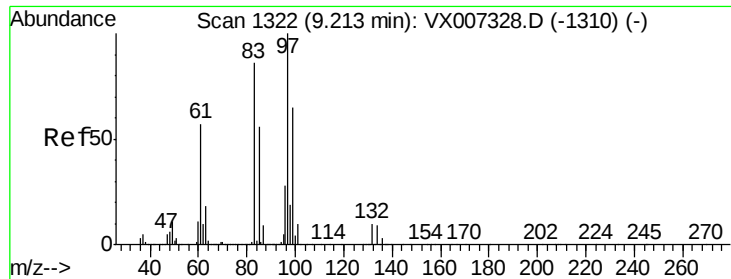
MMDadoda
2/14/2019 10:48:01 AM



#54
cis-1,3-Dichloropropene
Concen: 52.477 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.2	39.4
39	46.8	37.1	55.7





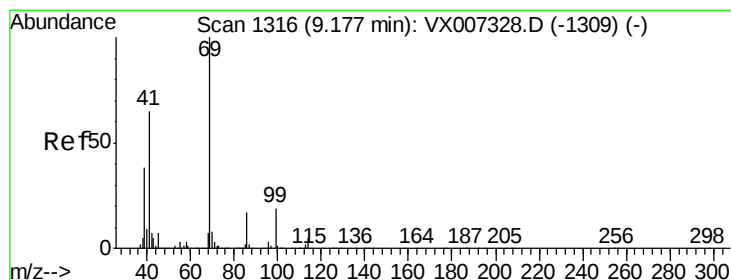
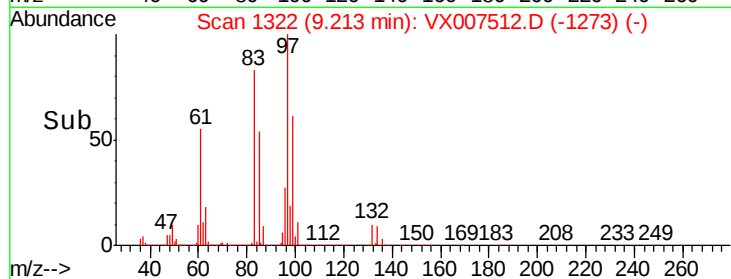
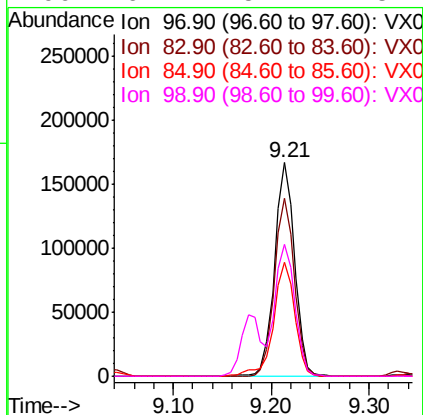
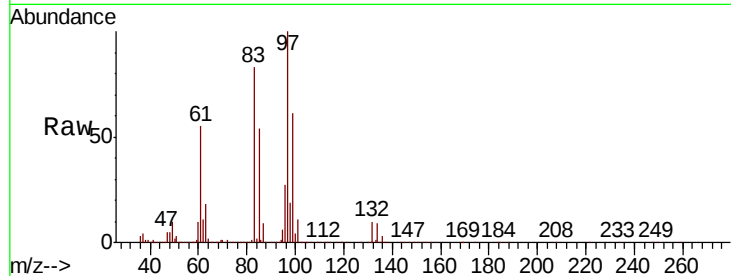
#55
1,1,2-Trichloroethane
Concen: 48.520 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		238552		
83	83.0	68.6	102.8		
85	53.6	44.5	66.7		
99	61.4	52.2	78.4		

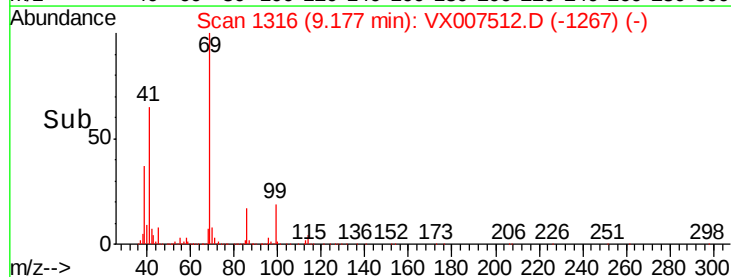
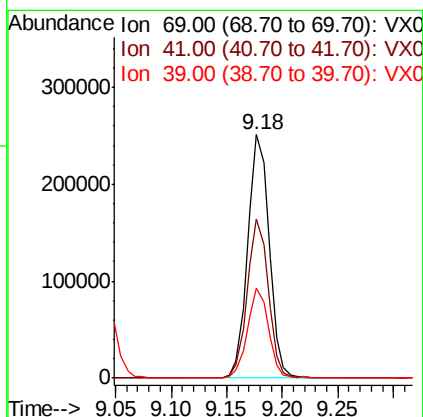
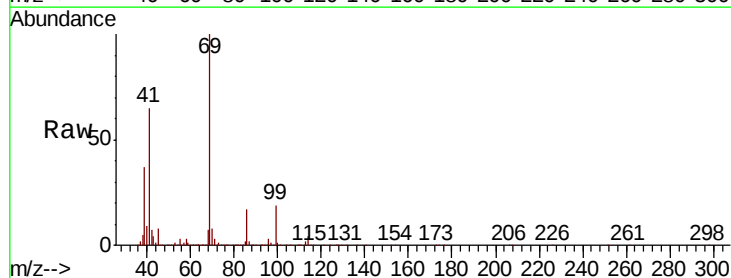
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



#56
Ethyl methacrylate
Concen: 49.710 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		338500		
41	63.5	52.1	78.1		
39	35.9	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 48.157 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 376530

Ion Ratio Lower Upper

76 100

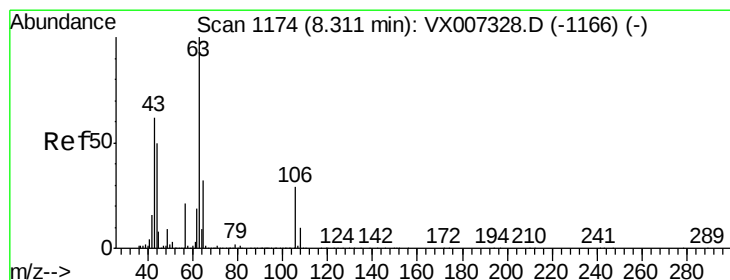
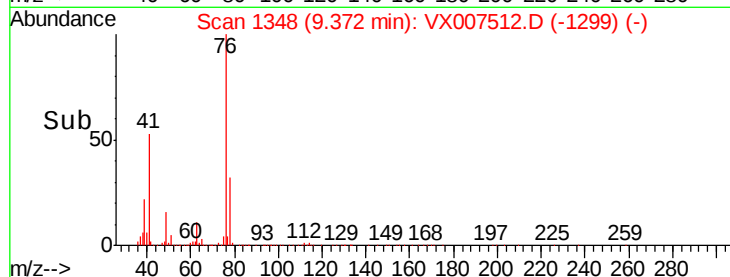
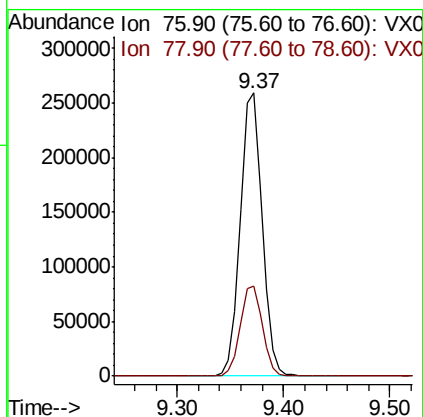
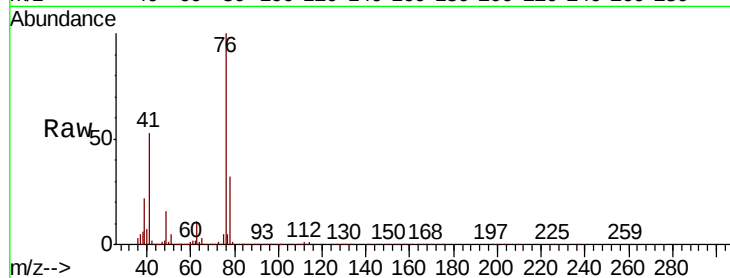
78 32.5 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

2/14/2019 10:48:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 251.478 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007512.D

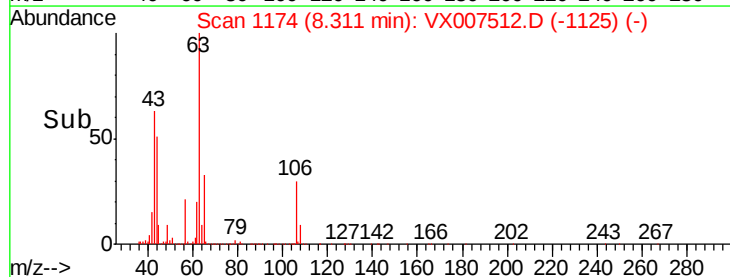
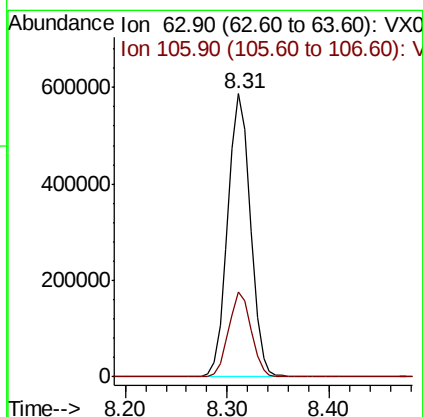
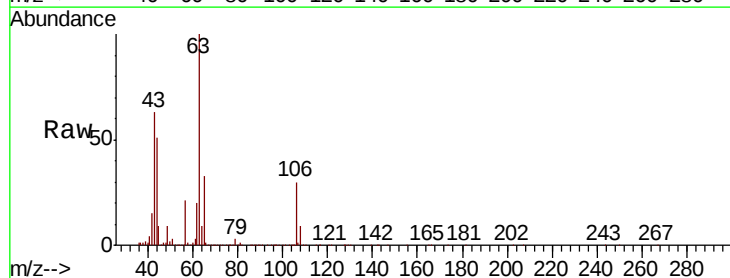
Acq: 13 Feb 2019 10:53

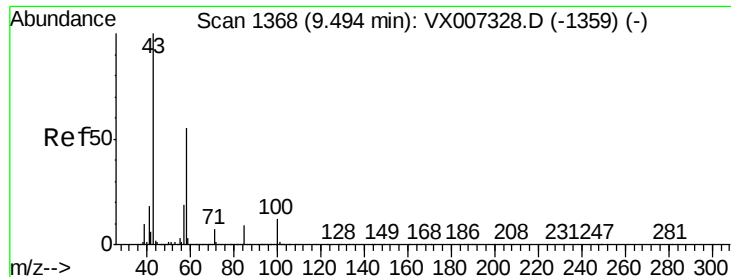
Tgt Ion: 63 Resp: 902603

Ion Ratio Lower Upper

63 100

106 29.7 23.6 35.4





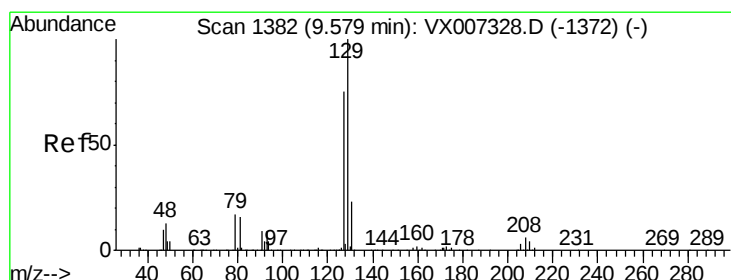
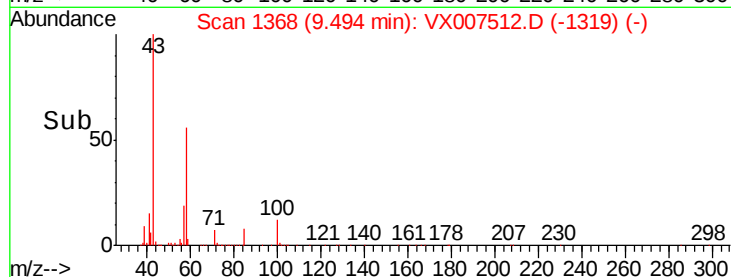
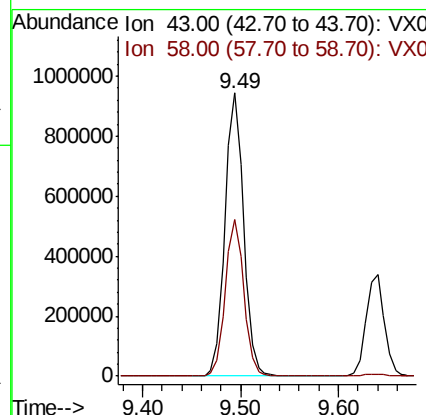
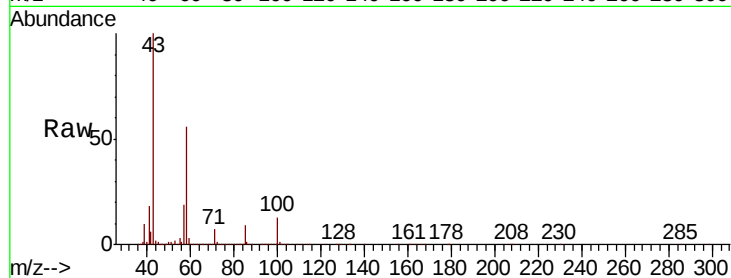
#59
2-Hexanone
Concen: 251.368 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1246907
Ion Ratio Lower Upper
43 100
58 55.4 27.1 81.3

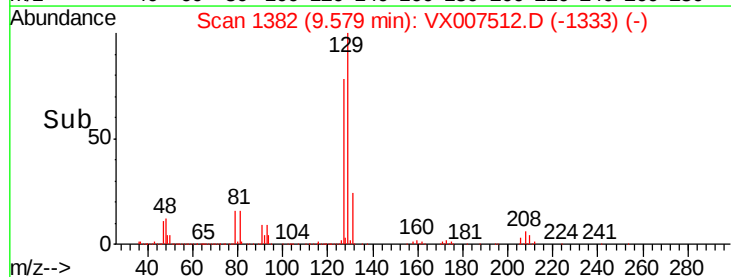
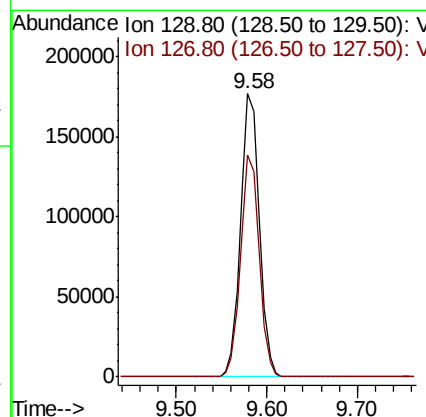
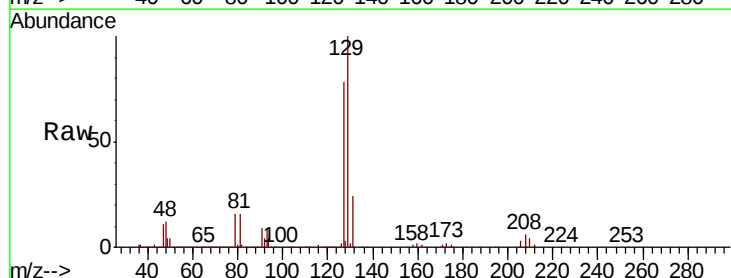
Manual Integrations
APPROVED

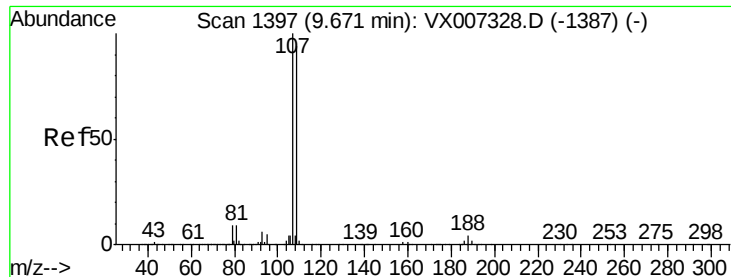
MMDadoda
2/14/2019 10:48:01 AM



#60
Dibromochloromethane
Concen: 54.748 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion: 129 Resp: 254575
Ion Ratio Lower Upper
129 100
127 78.0 37.8 113.4





#61

1,2-Dibromoethane

Concen: 49.522 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 257846

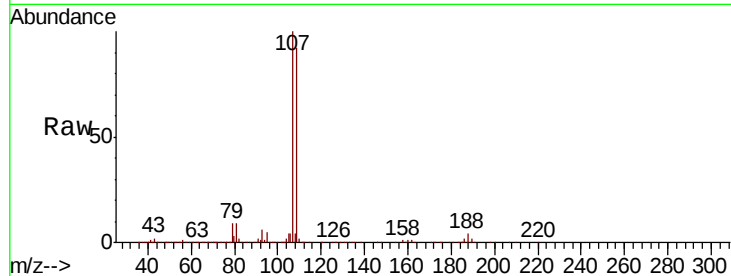
Ion Ratio Lower Upper

107 100

109 93.1 75.1 112.7

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

150000

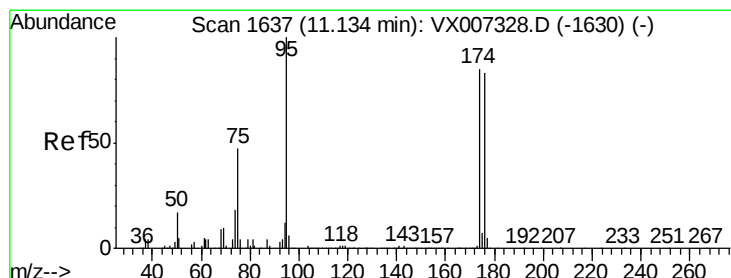
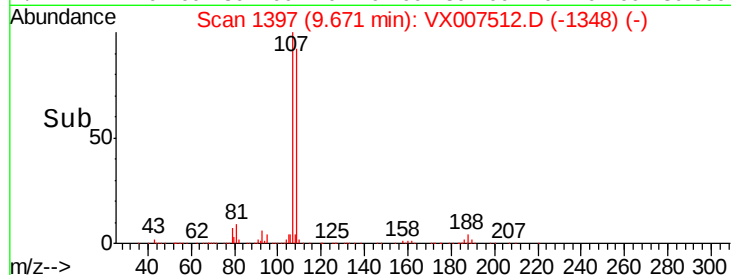
100000

50000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 48.742 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

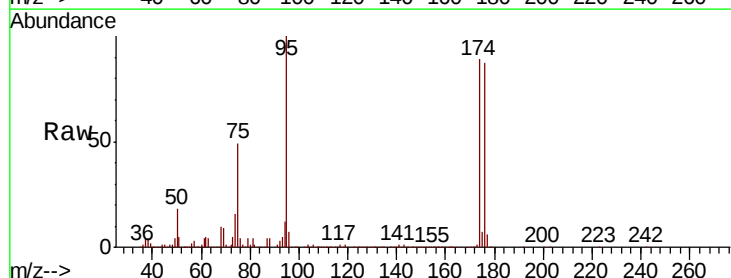
Tgt Ion: 95 Resp: 297153

Ion Ratio Lower Upper

95 100

174 92.9 0.0 189.2

176 90.5 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

300000

250000

200000

150000

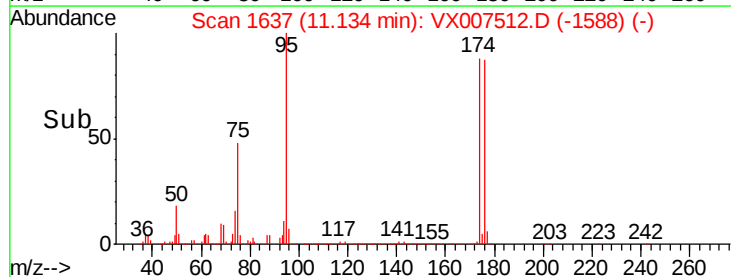
100000

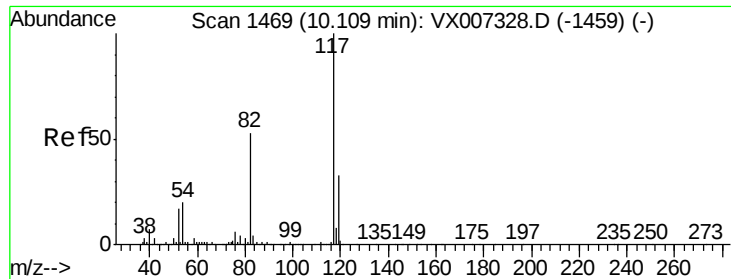
50000

0

11.05 11.10 11.15 11.20

Time-->





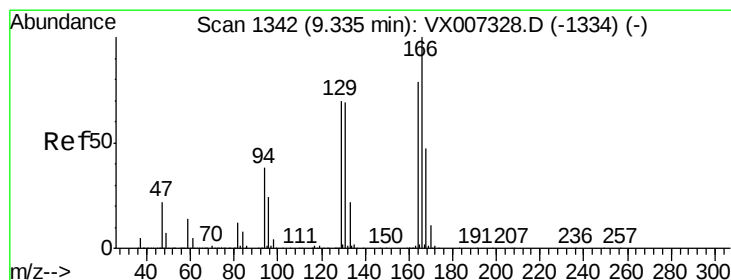
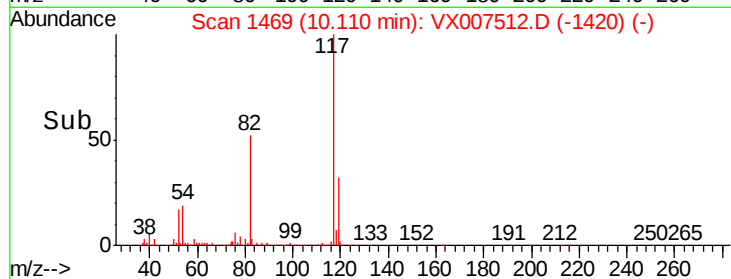
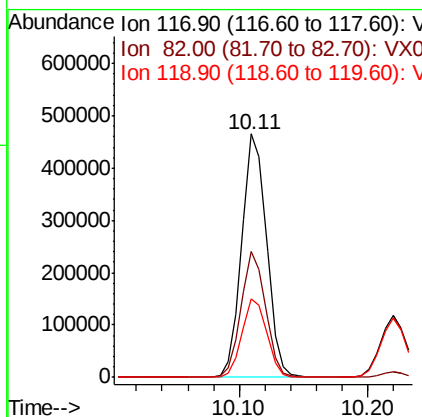
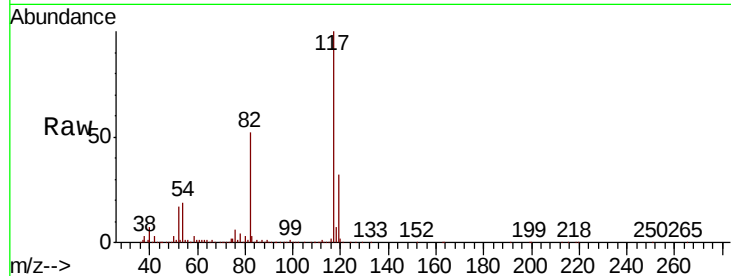
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.1	63.1
119	32.0	26.5	39.7

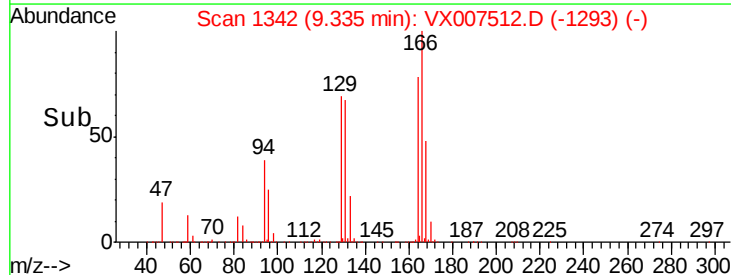
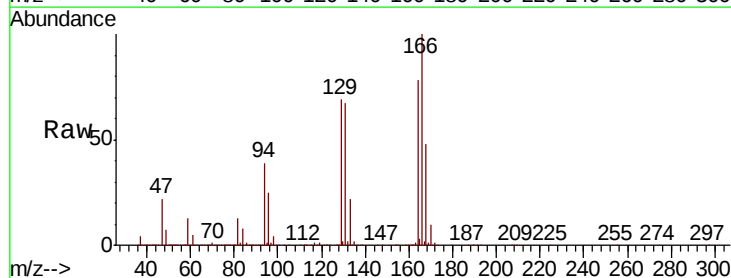
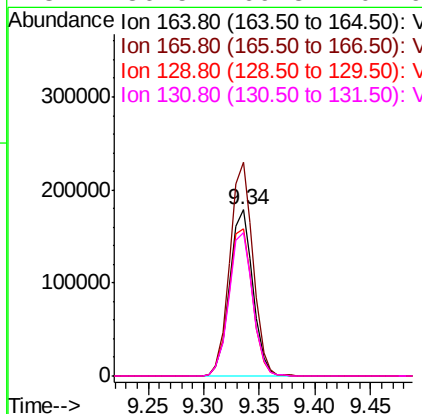
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



#64
Tetrachloroethene
Concen: 44.110 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.0	151.4
129	88.3	70.5	105.7
131	86.5	69.8	104.6





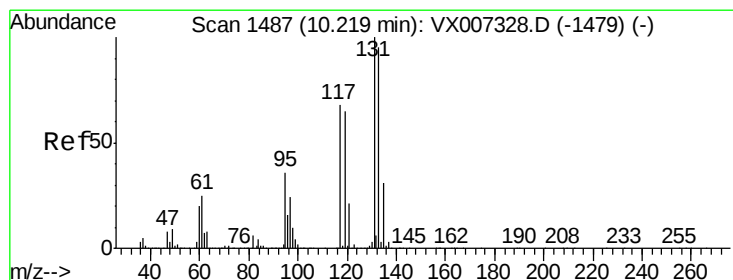
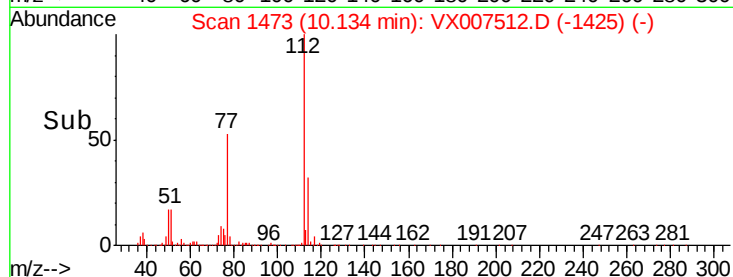
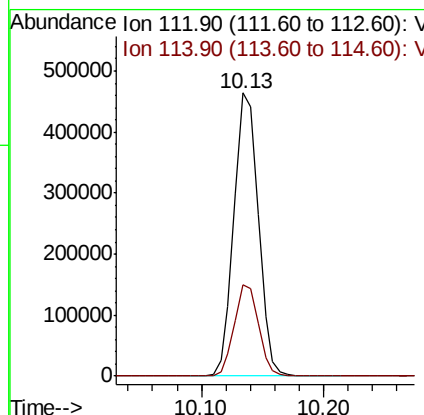
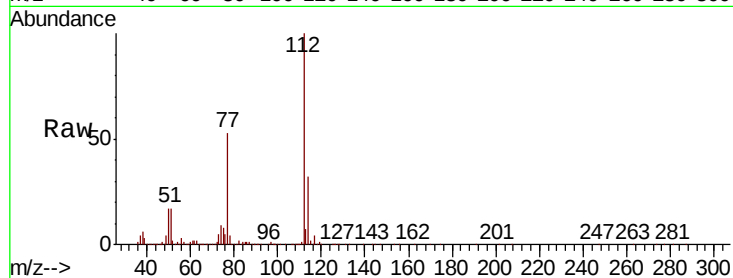
#65
Chlorobenzene
Concen: 47.258 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 640826
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6

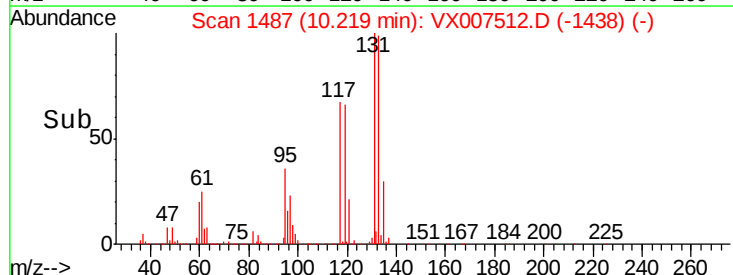
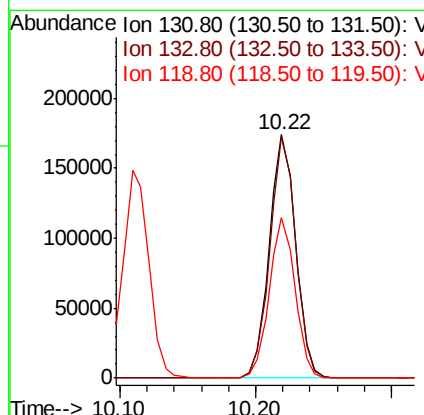
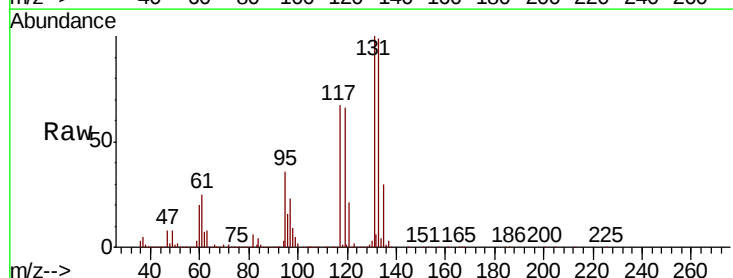
Manual Integrations
APPROVED

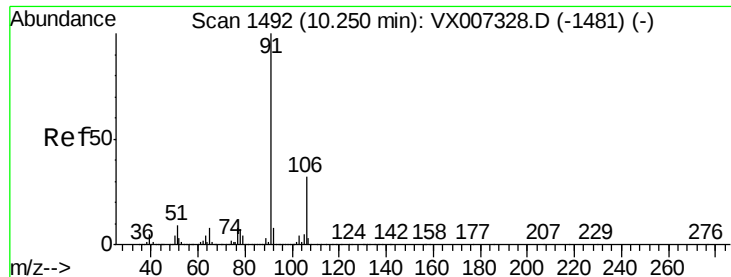
MMDadoda
2/14/2019 10:48:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.219 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion:131 Resp: 237406
Ion Ratio Lower Upper
131 100
133 97.3 48.0 144.2
119 64.8 32.0 96.0





#67

Ethyl Benzene

Concen: 48.342 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1055655

Ion Ratio Lower Upper

91 100

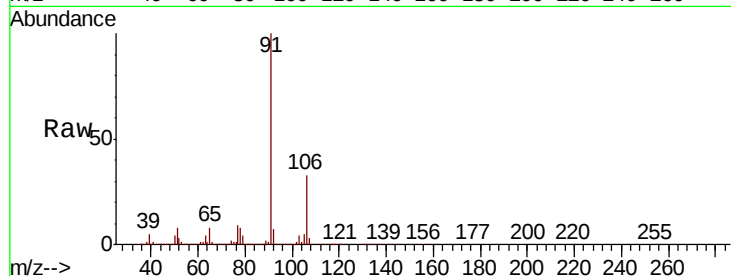
106 32.7 25.4 38.0

Manual Integrations

APPROVED

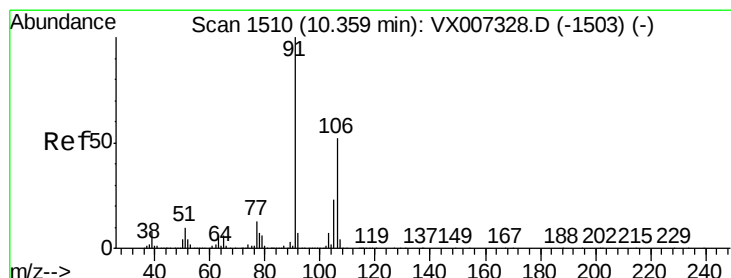
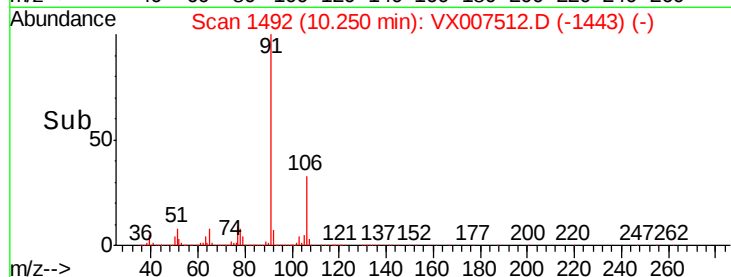
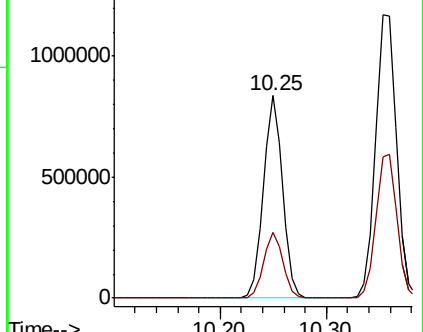
MMDadoda

2/14/2019 10:48:01 AM



Abundance Ion 91.00 (90.70 to 91.70): VX007512.D (-1443) (-)

Ion 106.00 (105.70 to 106.70): VX007512.D (-1443) (-)



#68

m/p-Xylenes

Concen: 94.909 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007512.D

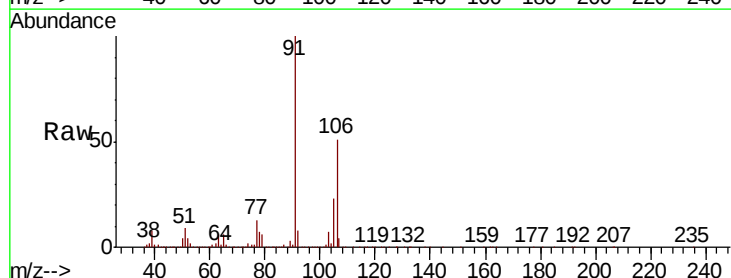
Acq: 13 Feb 2019 10:53

Tgt Ion: 106 Resp: 823860

Ion Ratio Lower Upper

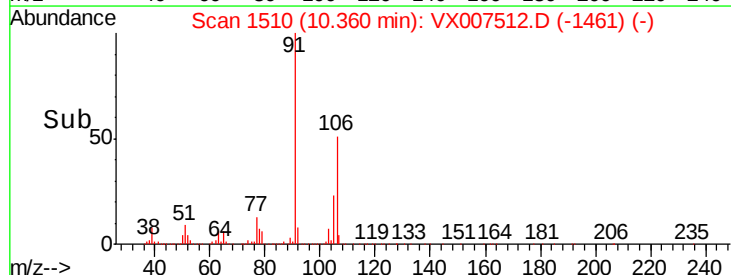
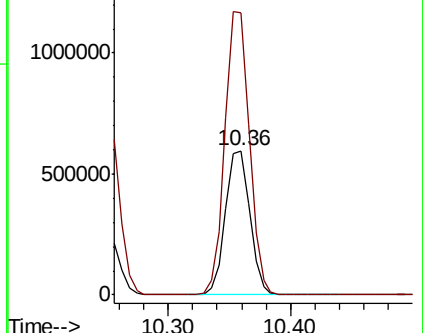
106 100

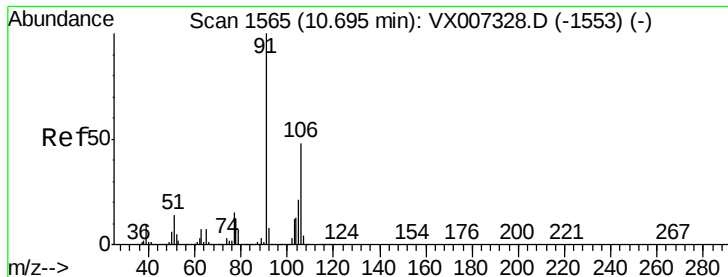
91 197.3 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): VX007512.D (-1461) (-)

Ion 91.00 (90.70 to 91.70): VX007512.D (-1461) (-)





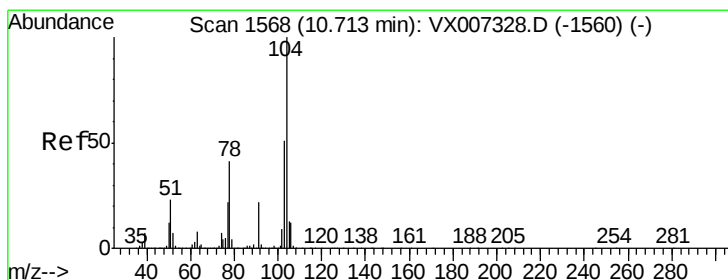
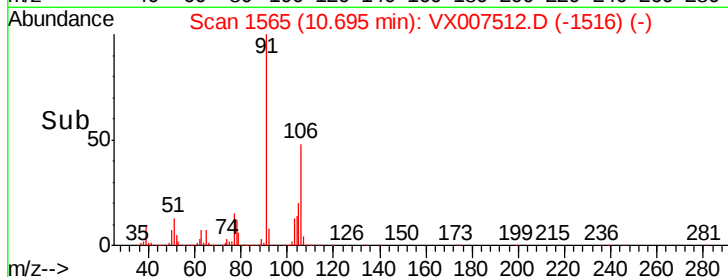
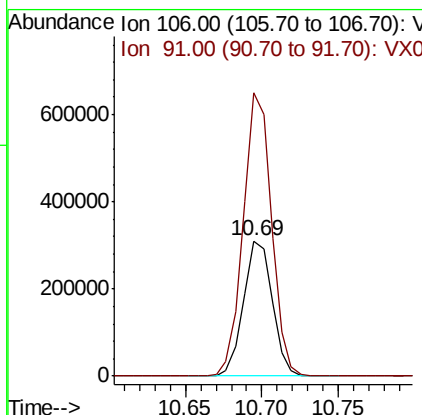
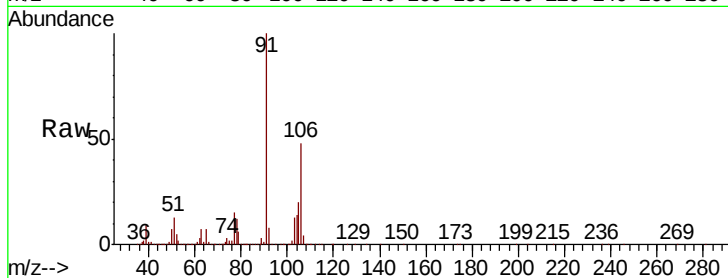
#69
o-Xylene
Concen: 48.510 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.9	102.9	308.7	

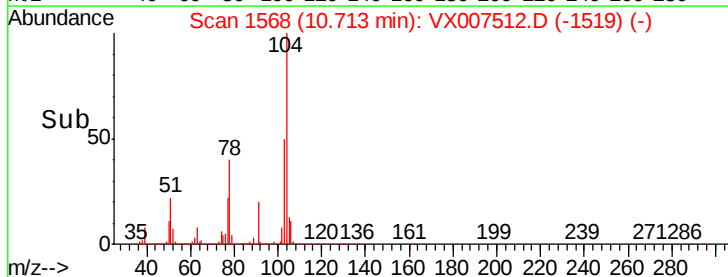
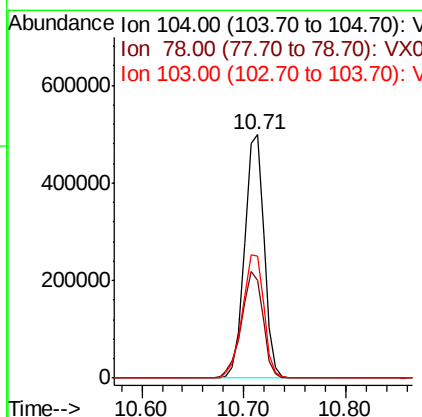
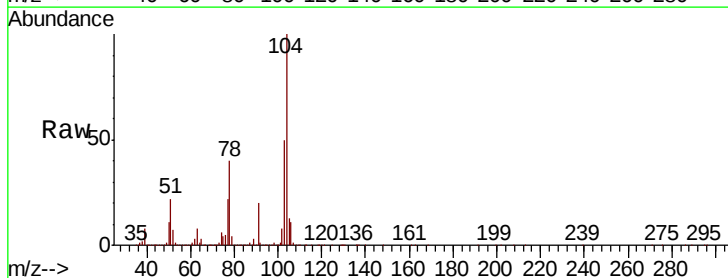
Manual Integrations
APPROVED

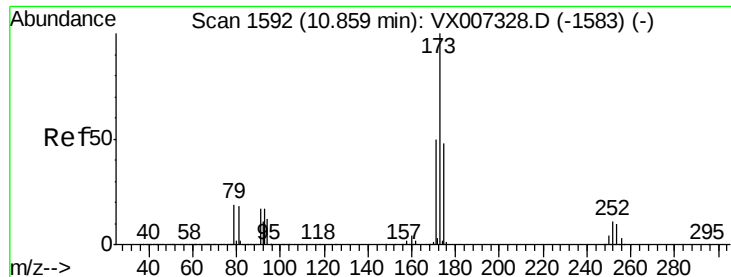
MMDadoda
2/14/2019 10:48:01 AM



#70
Styrene
Concen: 48.801 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.7	38.3	57.5	
103	55.8	44.6	67.0	





#71

Bromoform

Concen: 48.062 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

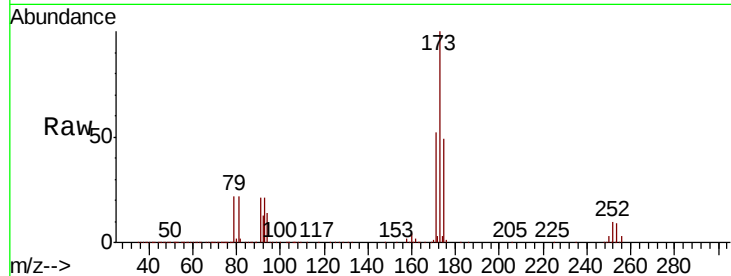
ClientSampleId :

VSTDCCC050

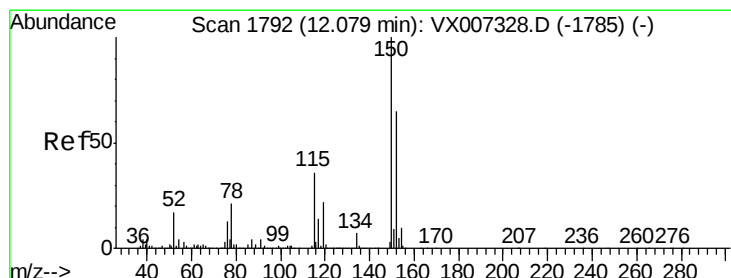
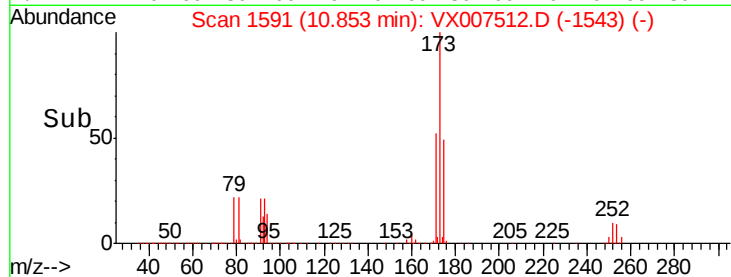
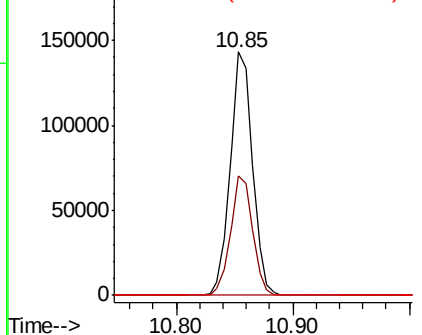
Tot Ion:	173	Resp:	190970
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.2	72.6
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

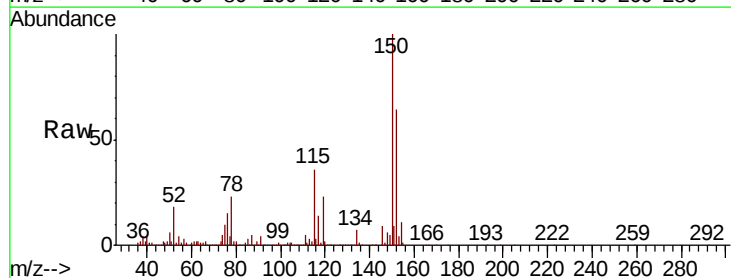
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

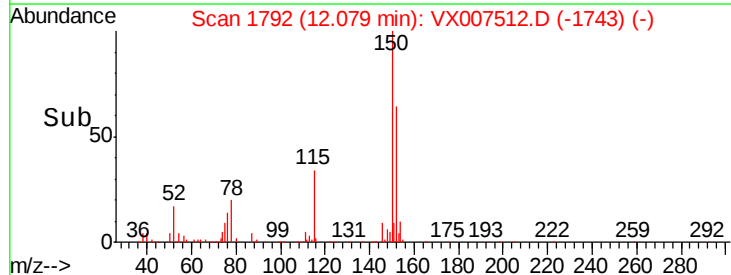
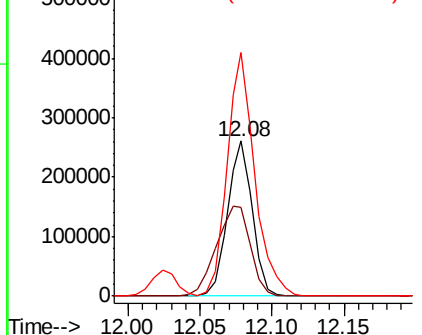
Lab File: VX007512.D

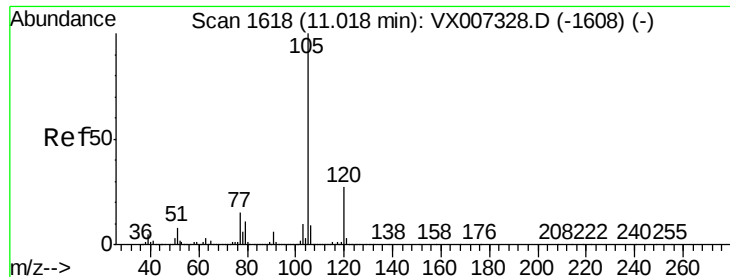
Acq: 13 Feb 2019 10:53

Tgt Ion:	152	Resp:	314462
Ion Ratio	Lower	Upper	
152	100		
115	79.2	38.0	114.0
150	174.5	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.970 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1089191

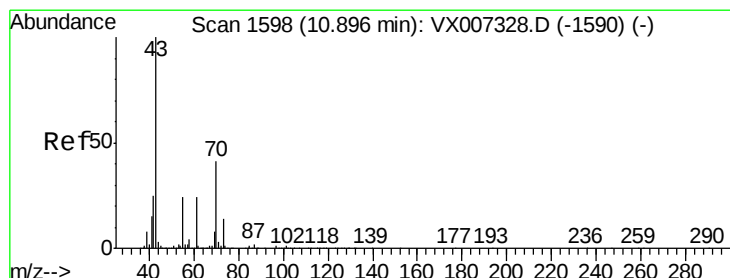
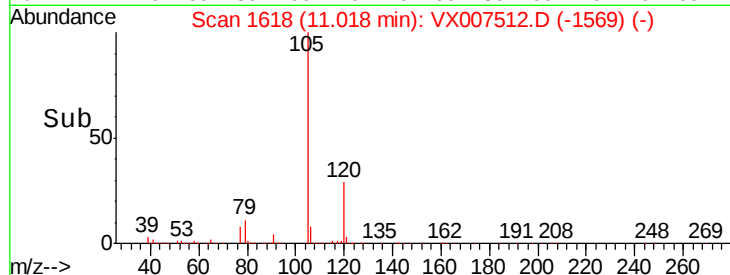
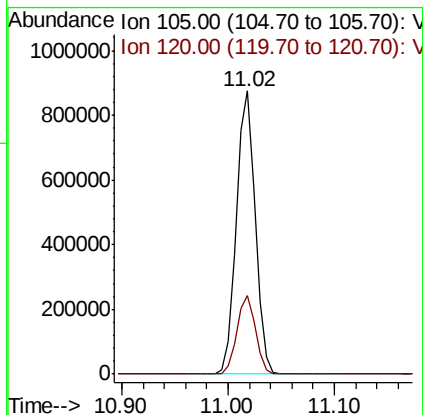
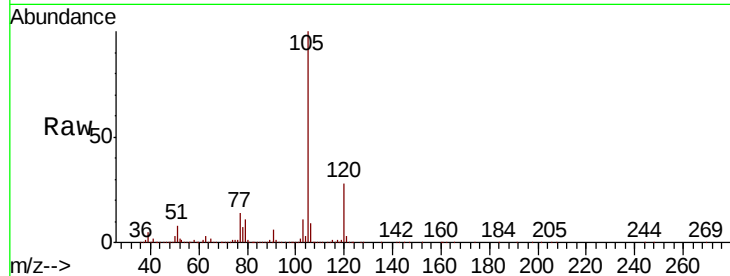
Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



#74

N-ethyl acetate

Concen: 51.801 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Tgt Ion: 43 Resp: 428162

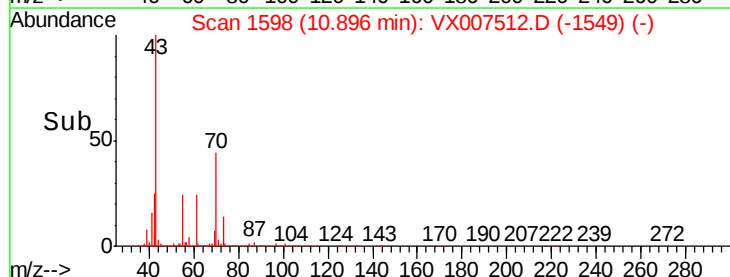
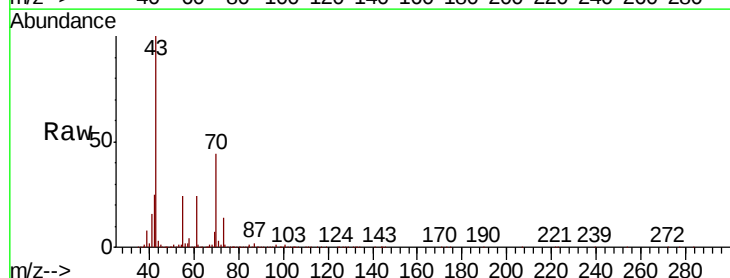
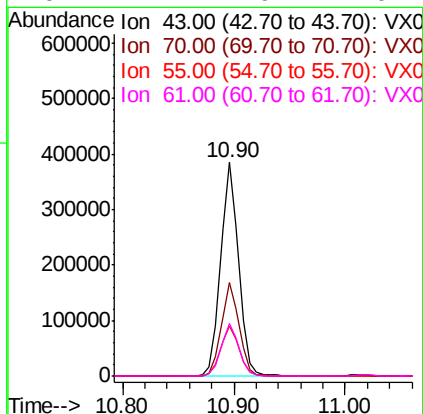
Ion Ratio Lower Upper

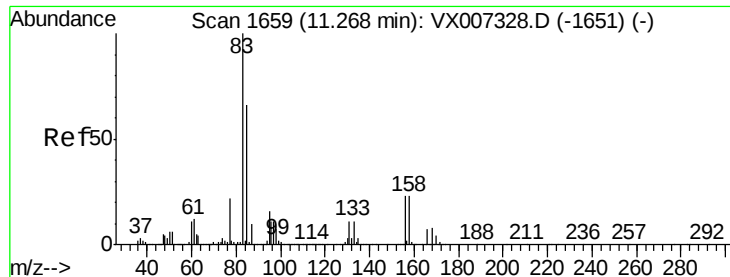
43 100

70 43.6 33.8 50.6

55 24.1 19.5 29.3

61 24.4 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.213 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 340038
Ion Ratio Lower Upper

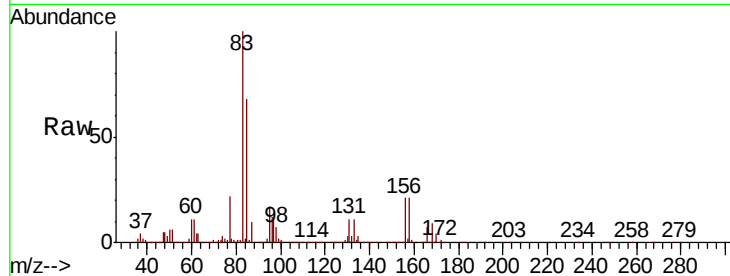
83 100

131 11.2 5.7 17.0

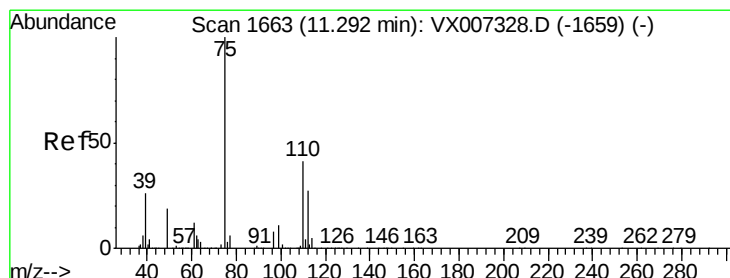
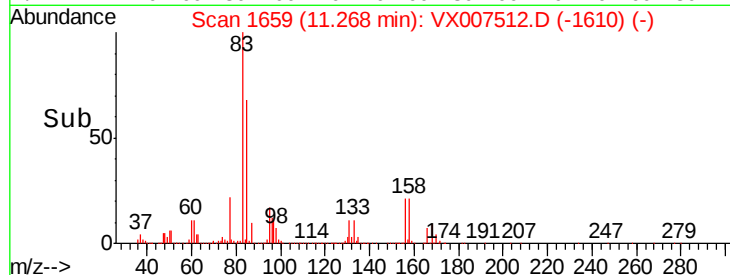
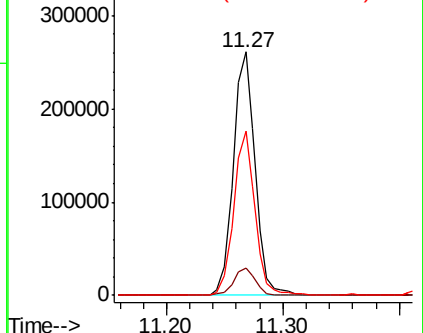
85 65.6 32.8 98.3

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 46.720 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

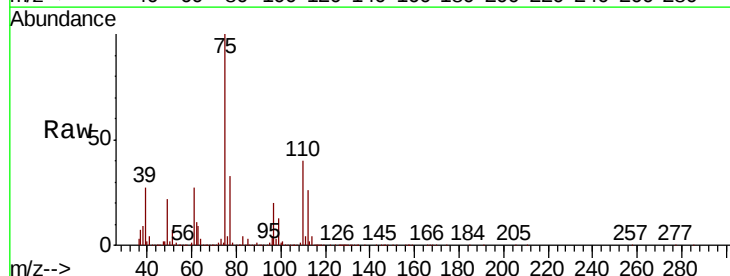
Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

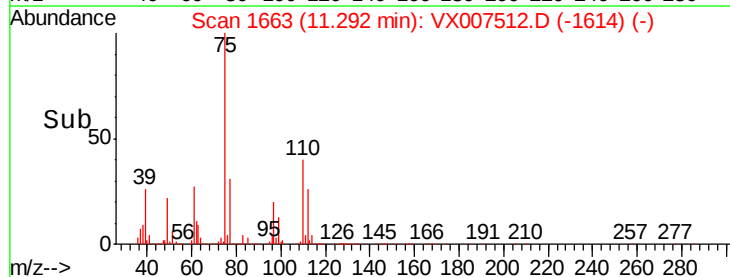
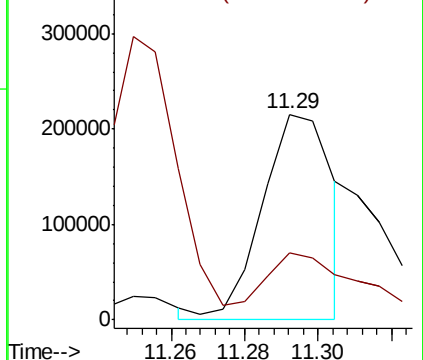
Tgt Ion: 75 Resp: 285771
Ion Ratio Lower Upper

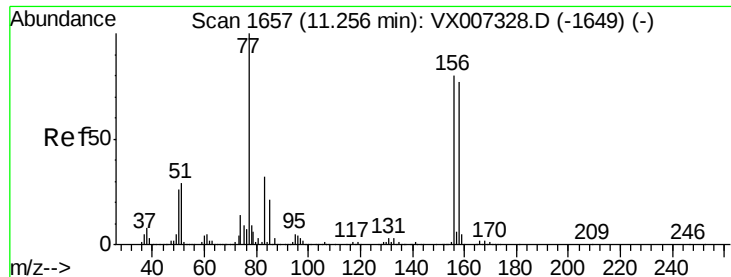
75 100

77 44.6 23.0 69.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





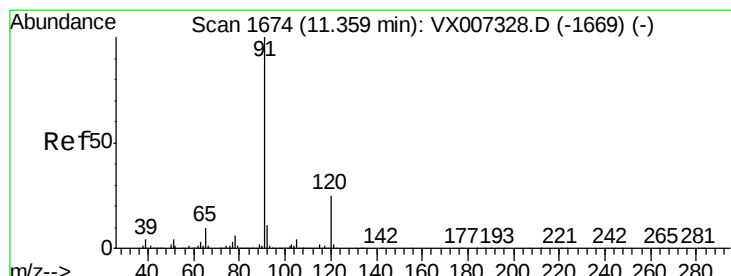
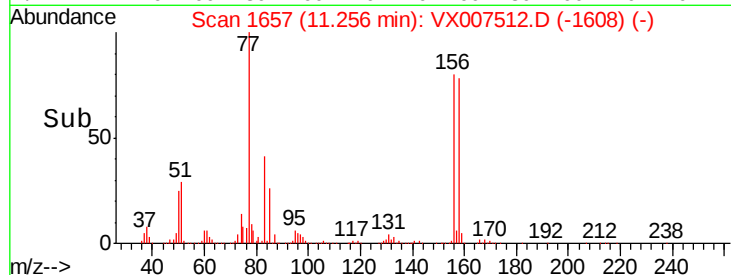
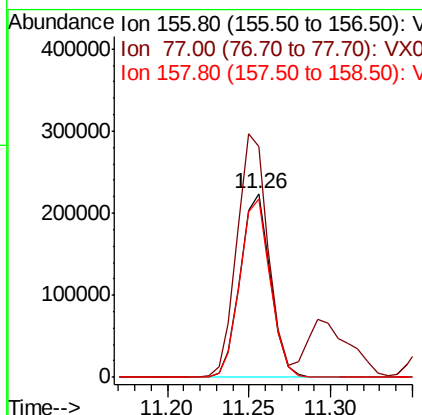
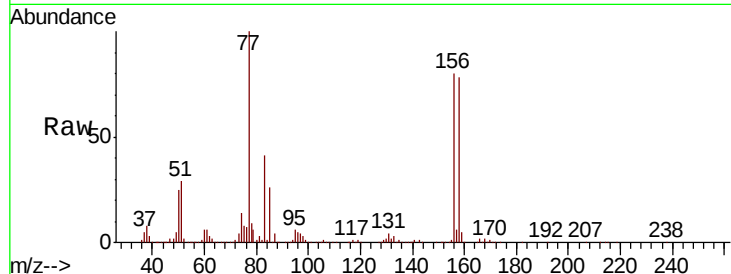
#77
Bromobenzene
Concen: 48.048 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.1	66.8	200.6
158	97.9	47.9	143.8

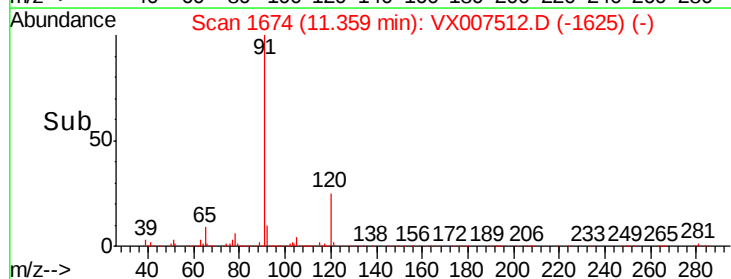
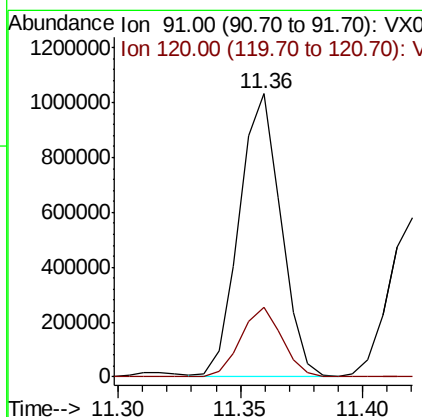
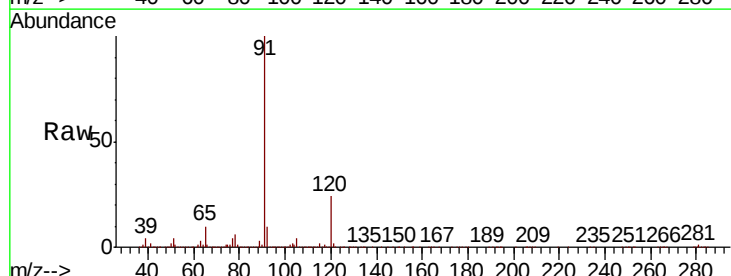
Manual Integrations
APPROVED

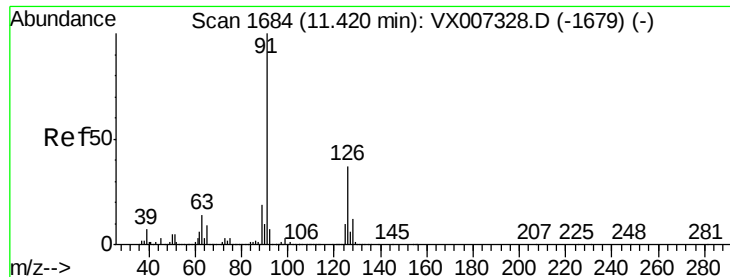
MMDadoda
2/14/2019 10:48:01 AM



#78
n-propylbenzene
Concen: 52.222 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.4	37.2





#79

2-Chlorotoluene

Concen: 49.467 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 703349

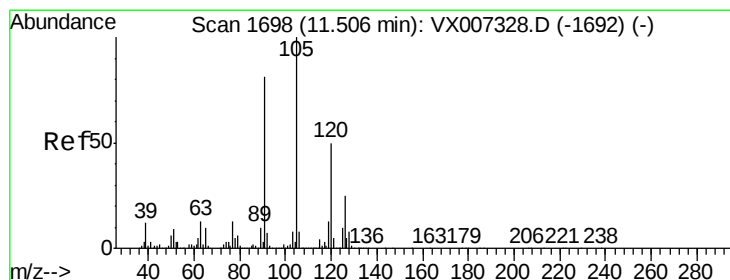
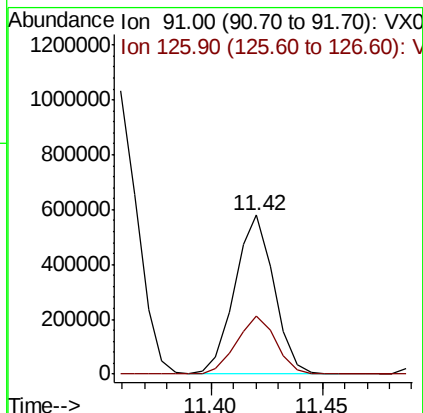
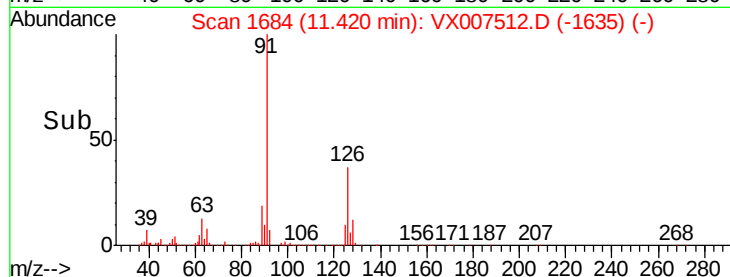
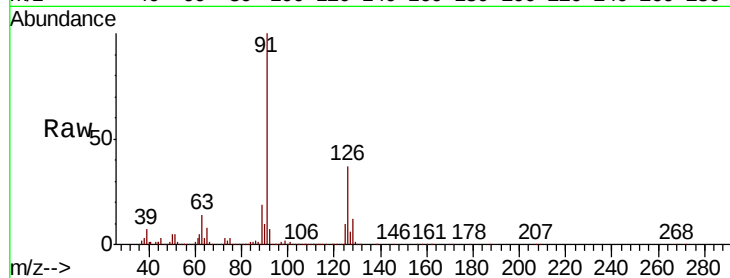
Ion Ratio Lower Upper

91 100

126 37.1 18.7 56.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



#80

1,3,5-Trimethylbenzene

Concen: 51.013 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007512.D

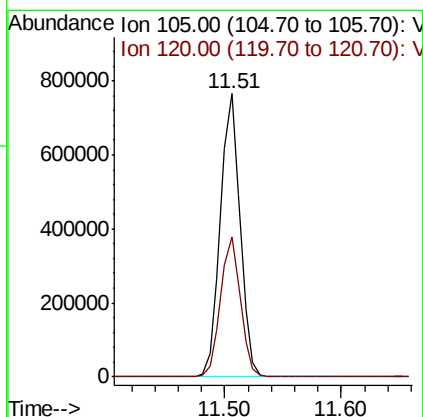
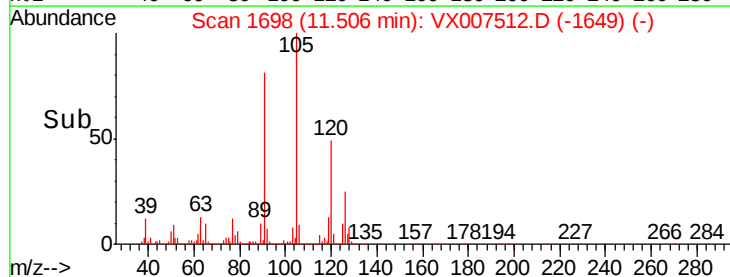
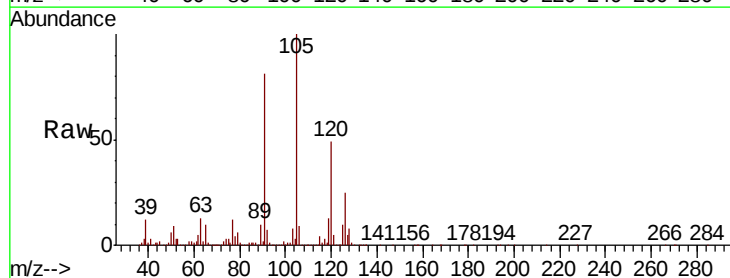
Acq: 13 Feb 2019 10:53

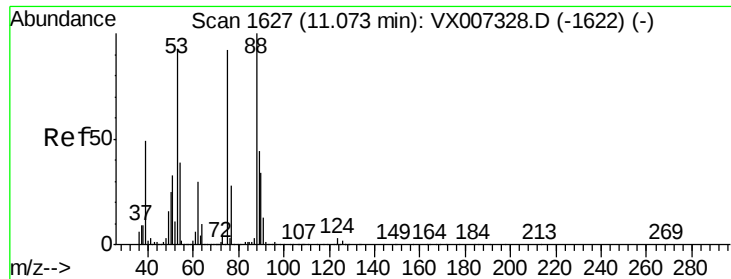
Tgt Ion: 105 Resp: 891842

Ion Ratio Lower Upper

105 100

120 49.7 25.3 75.8





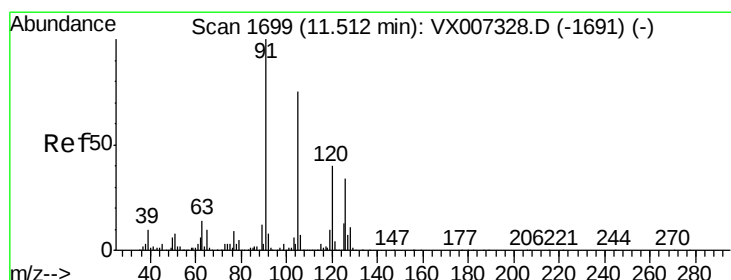
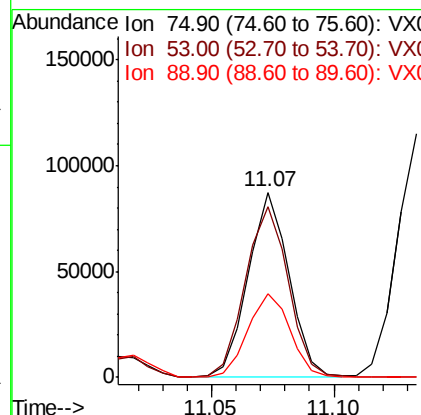
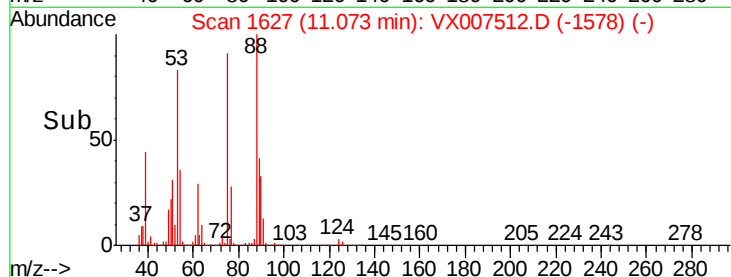
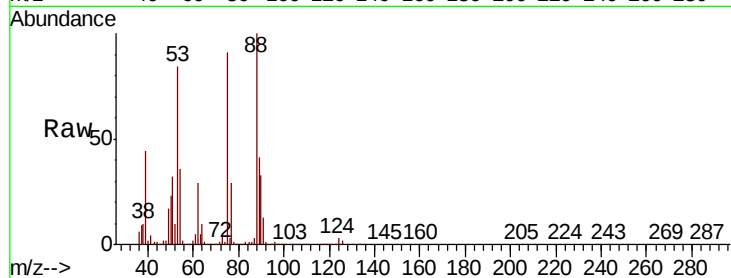
#81
trans-1,4-Dichloro-2-butene
Concen: 51.273 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.8	81.0	121.6
89	47.2	41.4	62.0

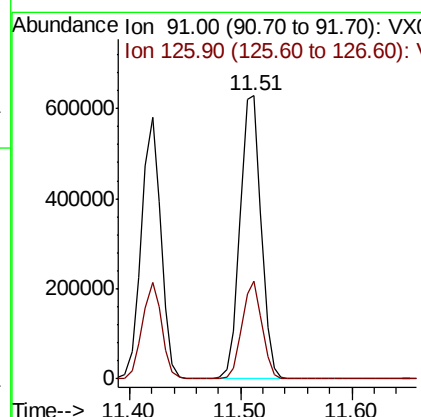
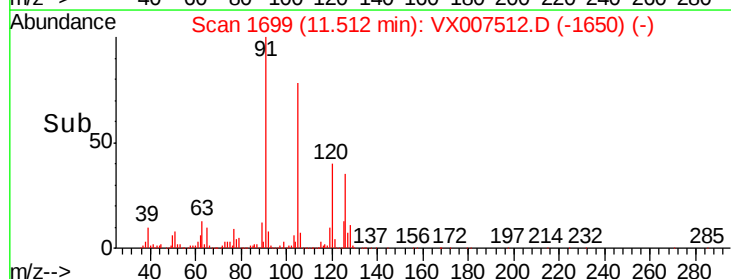
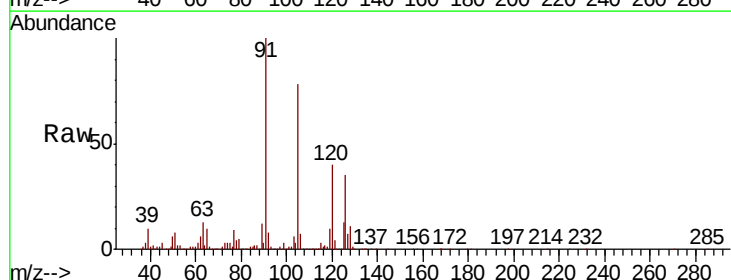
Manual Integrations
APPROVED

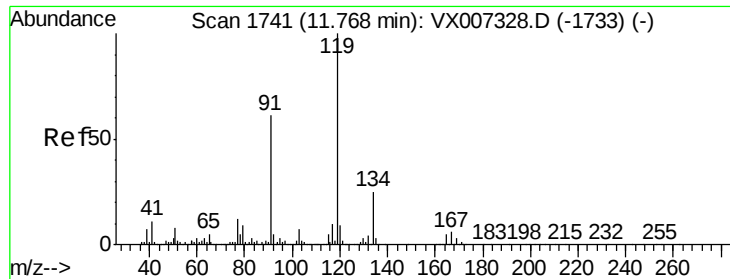
MMDadoda
2/14/2019 10:48:01 AM



#82
4-Chlorotoluene
Concen: 50.053 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.5





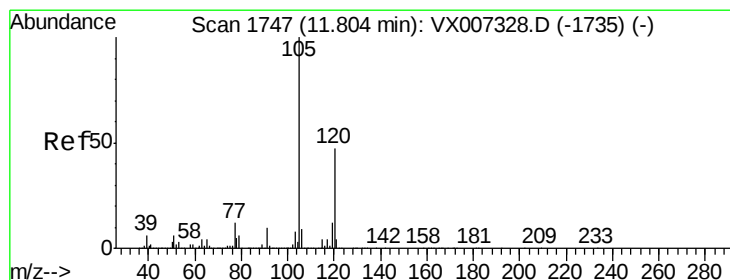
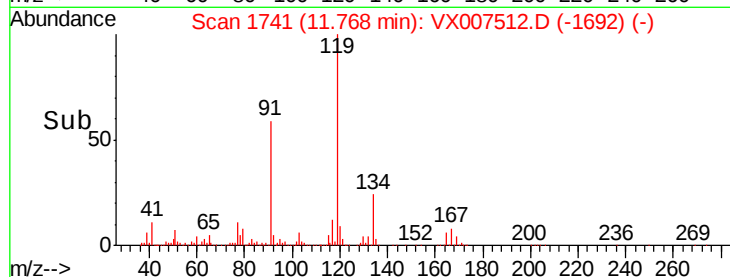
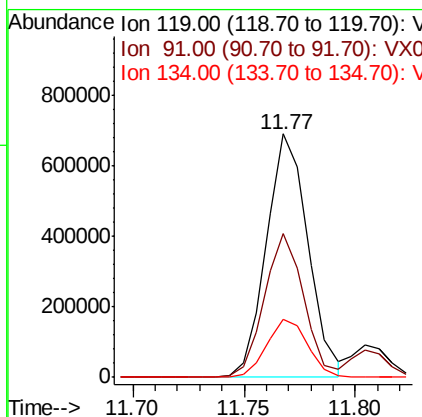
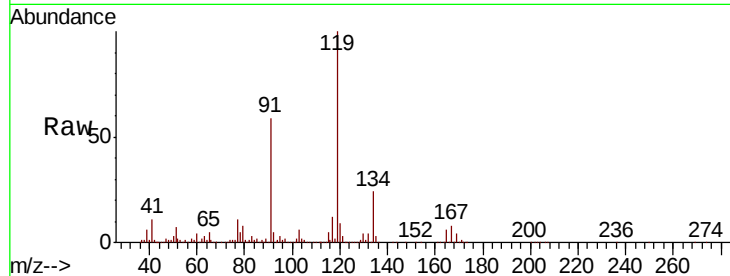
#83
tert-Butylbenzene
Concen: 51.704 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	894937		
91	55.9	28.5	85.6	
134	23.6	12.0	36.0	

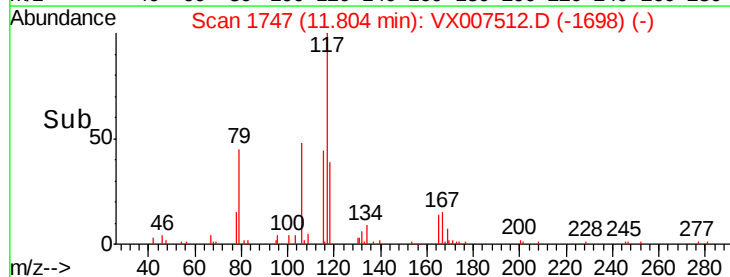
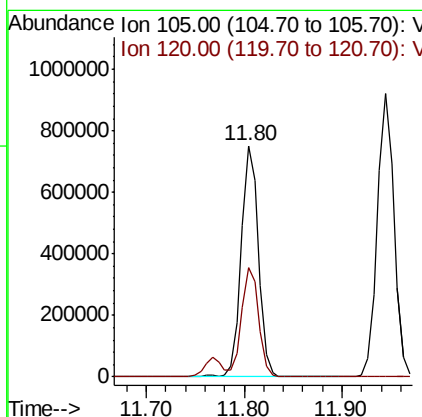
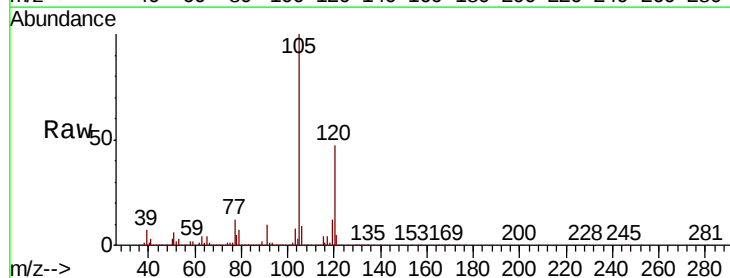
Manual Integrations
APPROVED

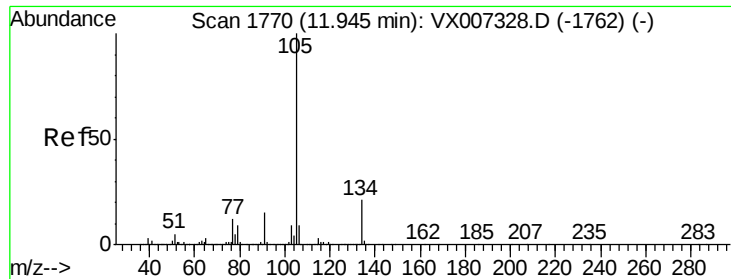
MMDadoda
2/14/2019 10:48:01 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.571 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	915332		
120	46.2	23.1	69.3	





#85

sec-Butylbenzene

Concen: 52.175 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1093038

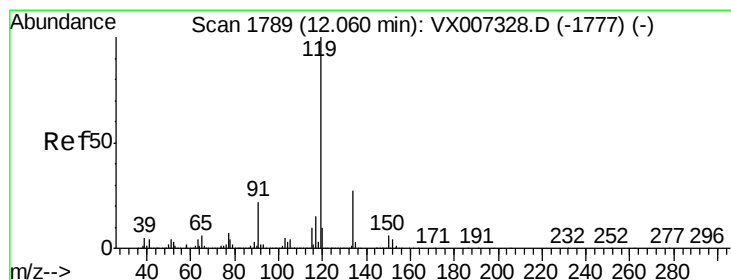
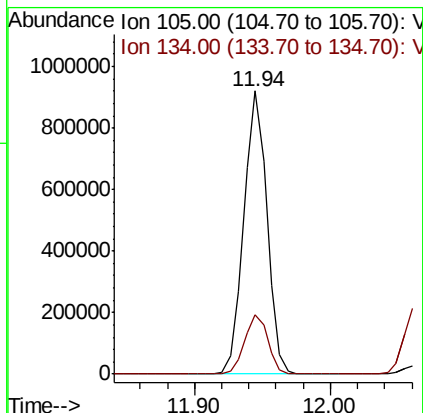
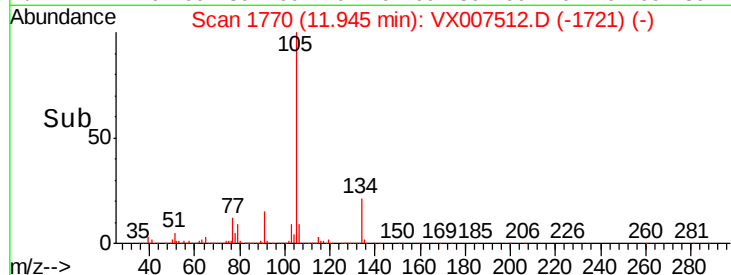
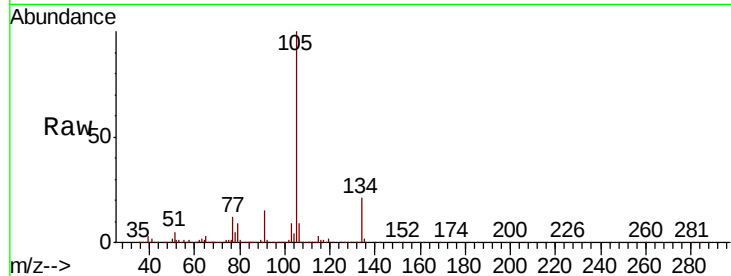
Ion Ratio Lower Upper

105 100

134 21.4 10.6 31.8

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM



#86

p-Isopropyltoluene

Concen: 52.419 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

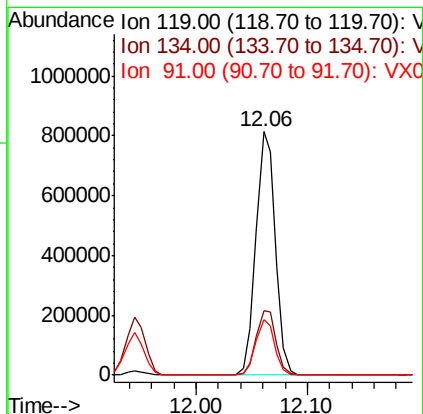
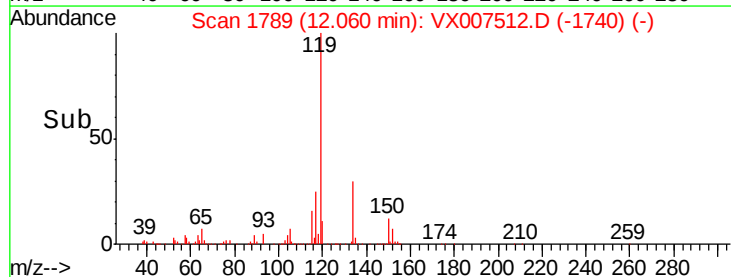
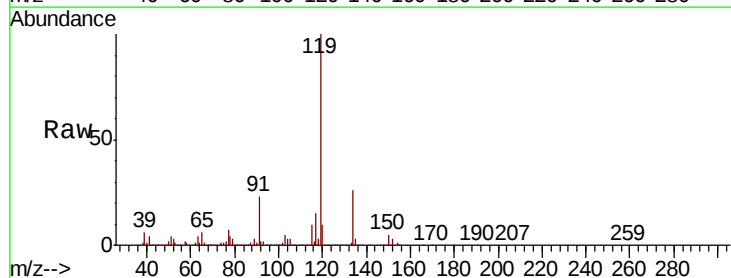
Tgt Ion:119 Resp: 991299

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 22.4 11.2 33.5





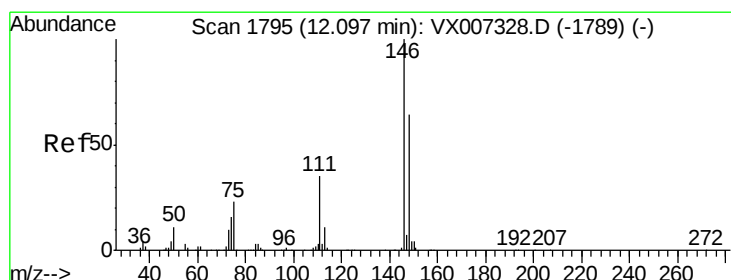
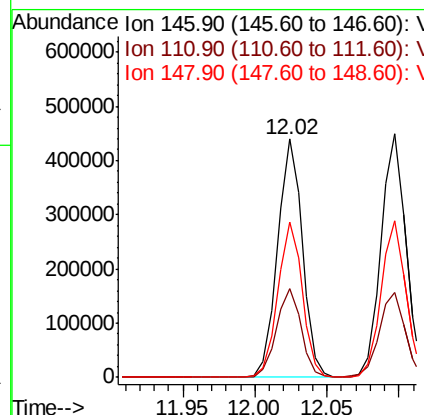
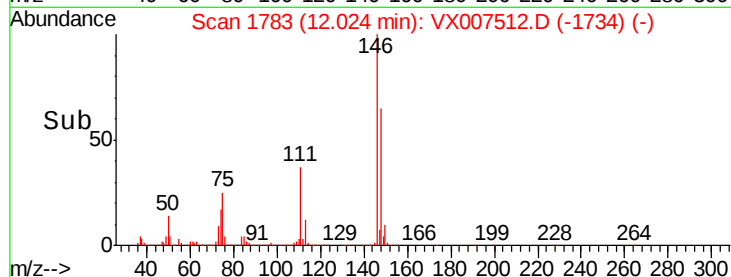
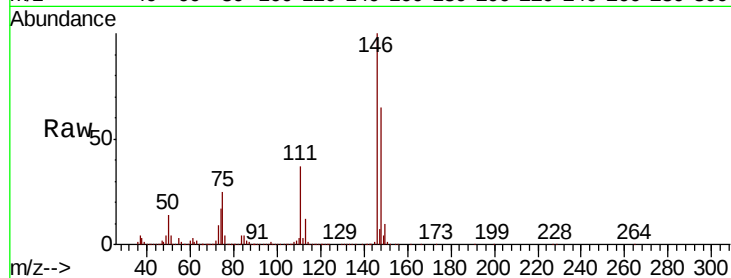
#87
 1,3-Dichlorobenzene
 Concen: 48.833 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007512.D
 Acq: 13 Feb 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	64.4	32.0	96.2

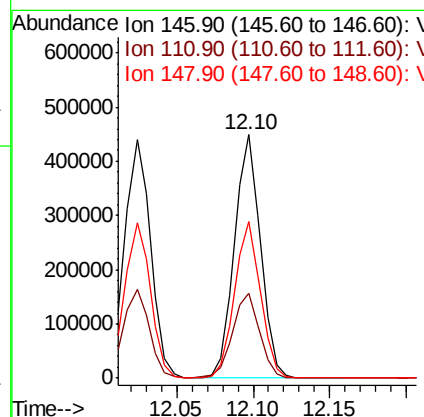
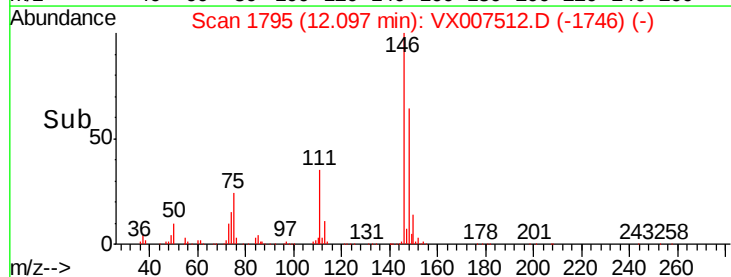
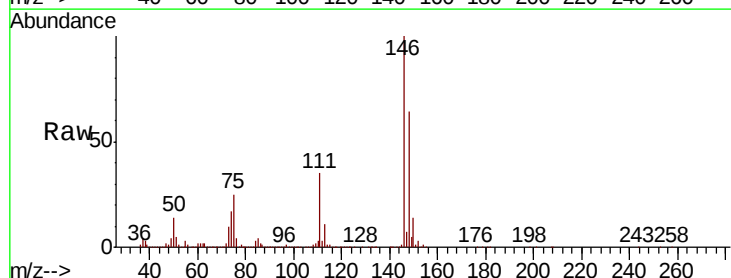
Manual Integrations
 APPROVED

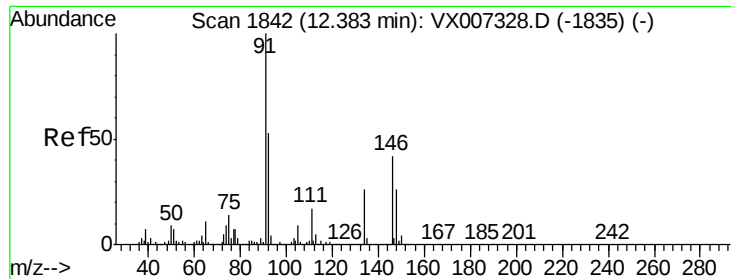
MMDadoda
 2/14/2019 10:48:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.143 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007512.D
 Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	64.0	32.3	96.9





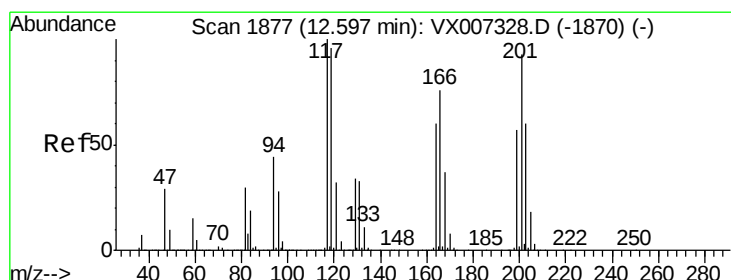
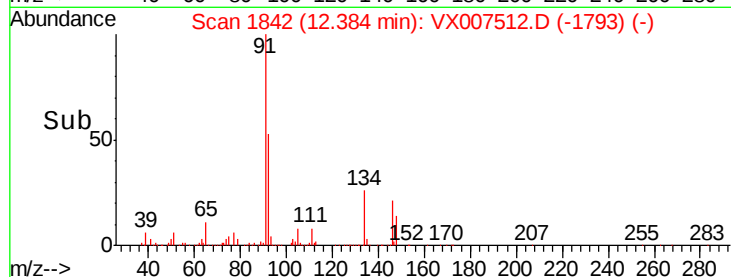
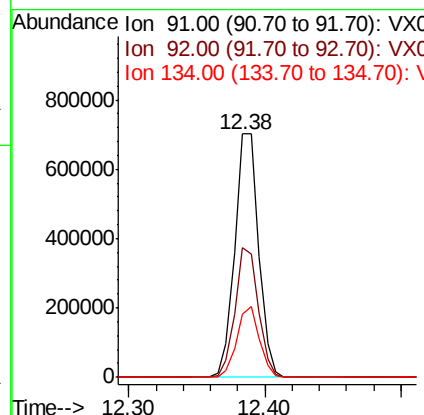
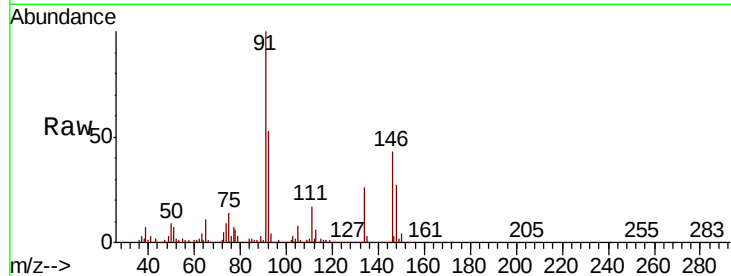
#89
n-Butylbenzene
Concen: 52.617 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.9
134	27.6	13.9	41.6

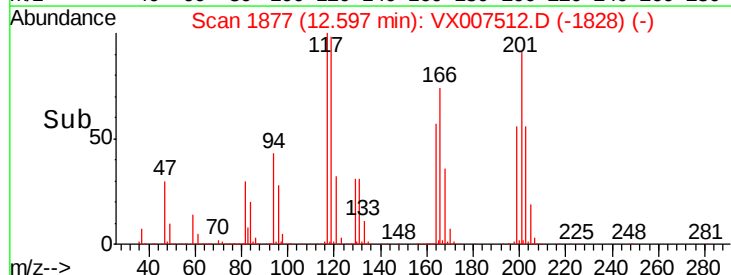
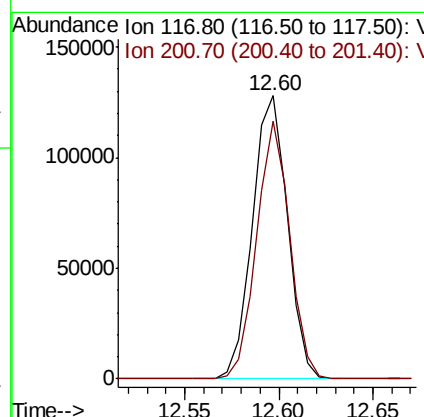
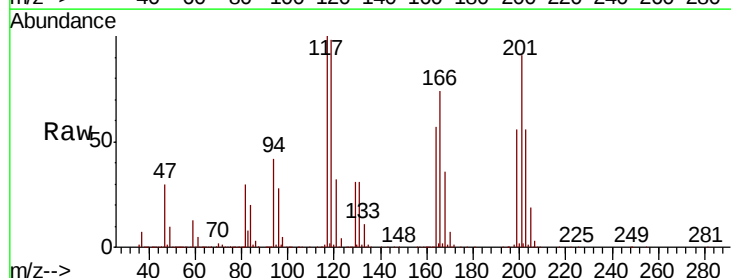
Manual Integrations
APPROVED

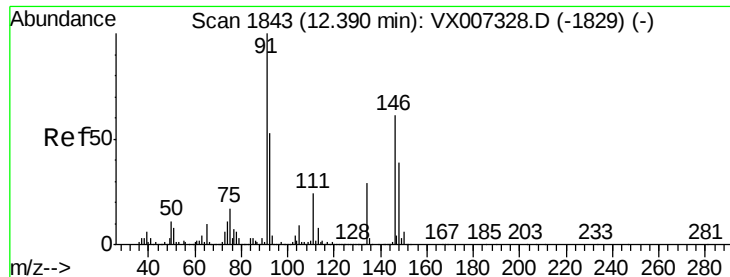
MMDadoda
2/14/2019 10:48:01 AM



#90
Hexachloroethane
Concen: 58.199 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007512.D
Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.0	44.9	134.7





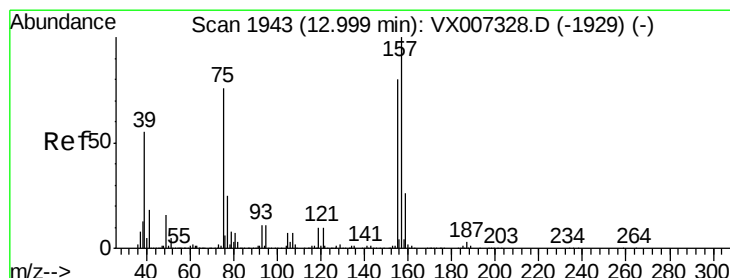
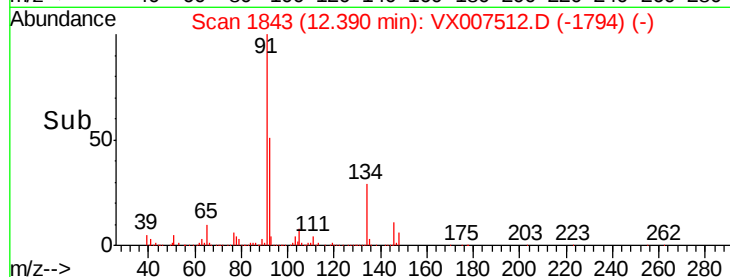
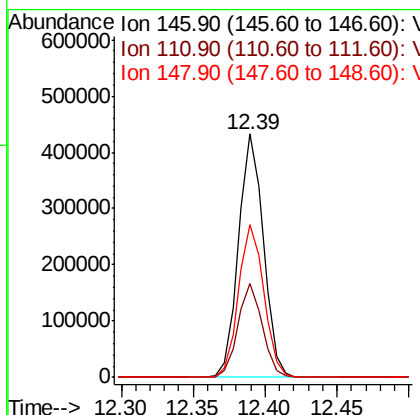
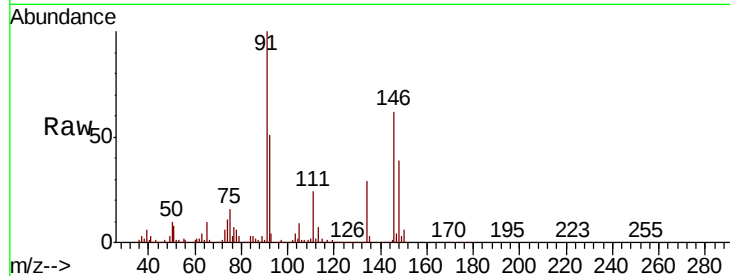
#91
 1,2-Dichlorobenzene
 Concen: 48.575 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007512.D
 Acq: 13 Feb 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	522352		
111	37.8	19.1	57.3	
148	63.8	32.1	96.3	

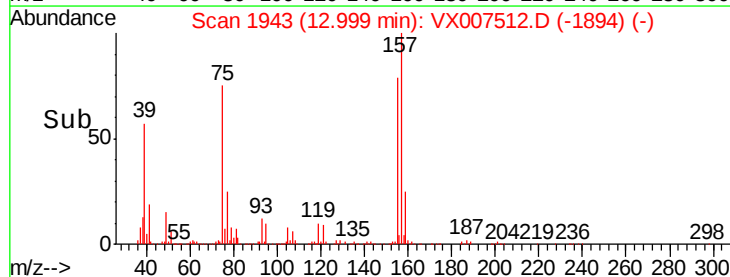
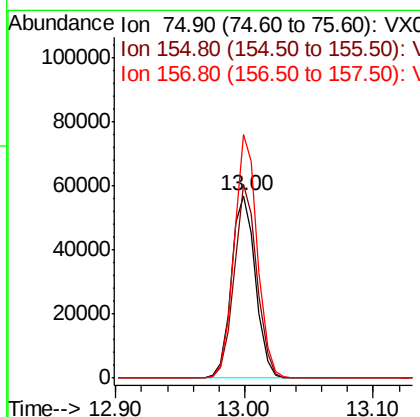
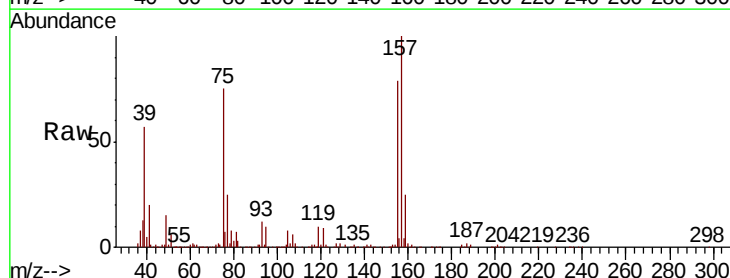
Manual Integrations
 APPROVED

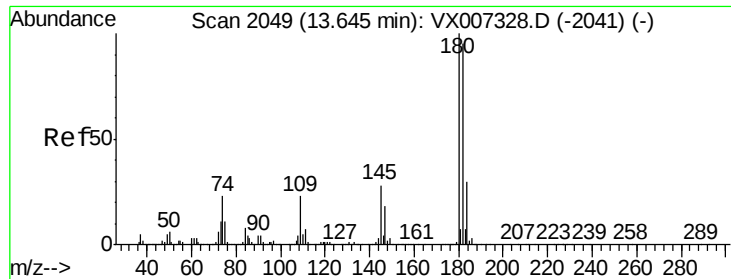
MMDadoda
 2/14/2019 10:48:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.951 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007512.D
 Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	74412		
155	100.0	49.6	149.0	
157	127.7	65.1	195.3	





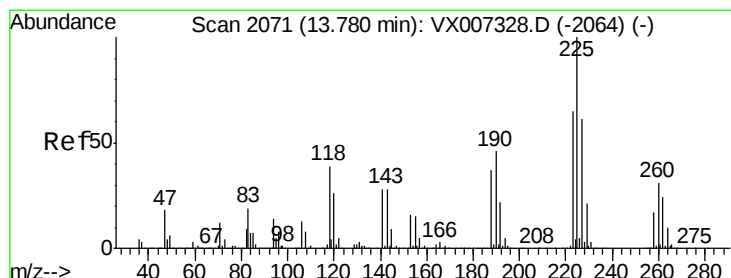
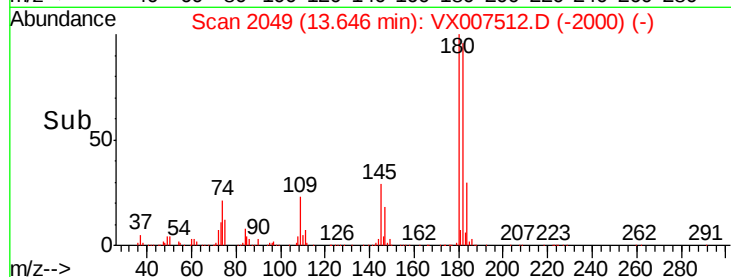
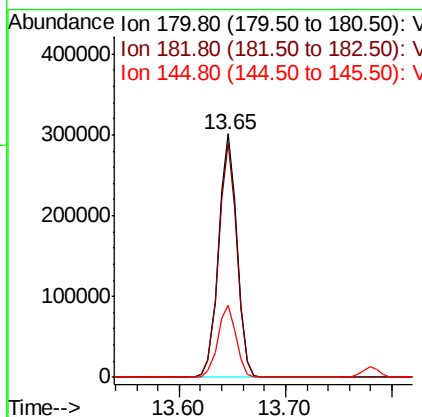
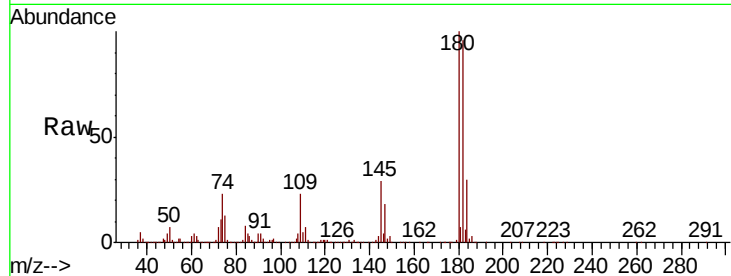
#93
 1,2,4-Trichlorobenzene
 Concen: 49.637 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007512.D
 Acq: 13 Feb 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	359970		
182	96.0	47.8	143.3	
145	29.5	14.1	42.2	

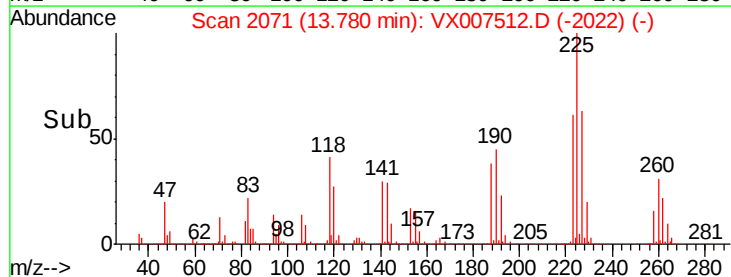
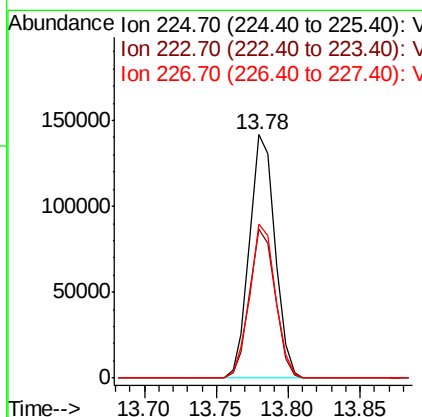
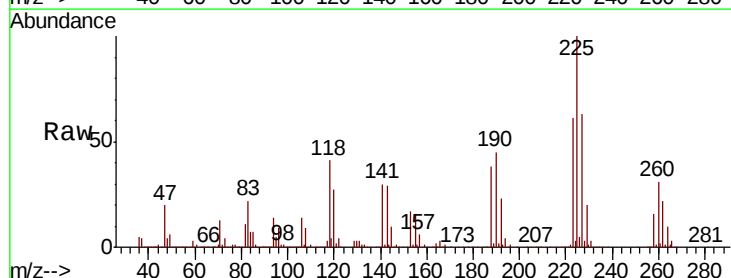
Manual Integrations
 APPROVED

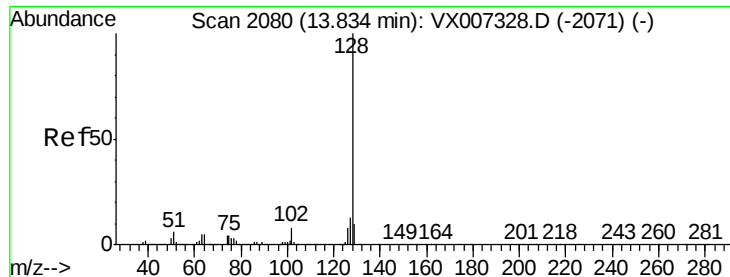
MMDadoda
 2/14/2019 10:48:01 AM



#94
 Hexachlorobutadiene
 Concen: 49.234 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007512.D
 Acq: 13 Feb 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	173375		
223	61.6	31.6	94.8	
227	63.6	32.1	96.3	





#95

Naphthalene

Concen: 52.305 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1109254

Ion Ratio Lower Upper

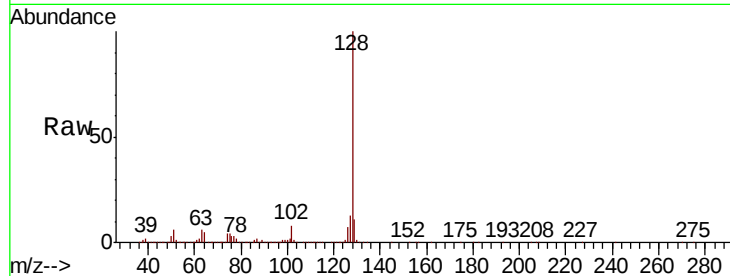
128 100

127 12.9 10.5 15.7

129 10.7 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:48:01 AM

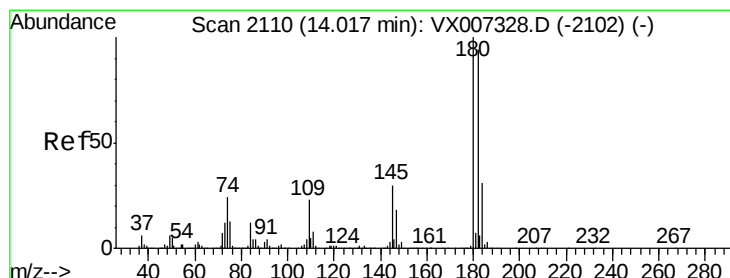
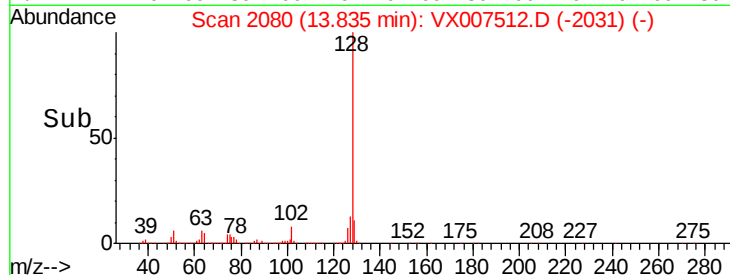
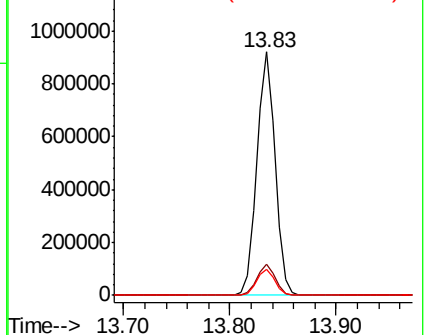


Abundance

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: 49.627 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007512.D

Acq: 13 Feb 2019 10:53

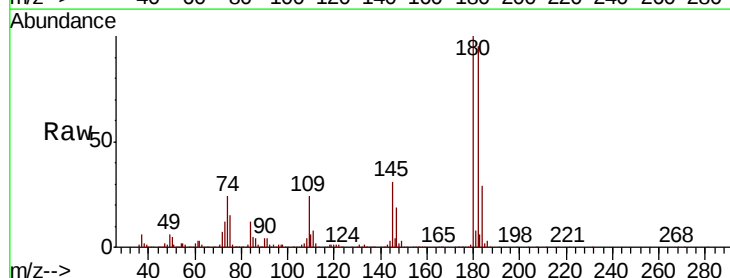
Tgt Ion:180 Resp: 362275

Ion Ratio Lower Upper

180 100

182 95.9 47.5 142.6

145 30.5 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

