

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012819\
 Data File : VX007274.D
 Acq On : 28 Jan 2019 21:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 9:51:34 AM

Quant Time: Jan 29 02:31:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	463973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	691356	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	629168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	326193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	241664	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	5.51	113	221131	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	8.71	98	813474	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.13	95	290757	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	158189	41.518	ug/l	100
3) Chloromethane	1.33	50	238492	53.769	ug/l	100
4) Vinyl Chloride	1.41	62	206638	43.309	ug/l	98
5) Bromomethane	1.64	94	176947	34.712	ug/l	97
6) Chloroethane	1.71	64	142376	42.736	ug/l	99
7) Trichlorofluoromethane	1.93	101	350129	45.417	ug/l	99
8) Diethyl Ether	2.19	74	140293	45.742	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	210313	45.567	ug/l	99
10) Methyl Iodide	2.51	142	247738	39.792	ug/l	99
11) Tert butyl alcohol	3.08	59	266172	232.703	ug/l	99
12) 1,1-Dichloroethene	2.37	96	189460	44.430	ug/l	96
13) Acrolein	2.30	56	134422	272.210	ug/l	99
14) Allyl chloride	2.73	41	341235	46.692	ug/l	99
15) Acrylonitrile	3.15	53	653036	248.699	ug/l	99
16) Acetone	2.45	43	561203	234.113	ug/l	98
17) Carbon Disulfide	2.57	76	398363	36.285	ug/l	99
18) Methyl Acetate	2.78	43	394008	56.757	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	723669	48.894	ug/l	99
20) Methylene Chloride	2.86	84	363633	80.095	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	201958	42.499	ug/l	96
22) Diisopropyl ether	3.87	45	670971	48.836	ug/l	95
23) Vinyl Acetate	3.82	43	2748952	237.253	ug/l	99
24) 1,1-Dichloroethane	3.70	63	364078	47.391	ug/l	99
25) 2-Butanone	4.70	43	828656	241.593	ug/l	100
26) 2,2-Dichloropropane	4.59	77	247243	41.852	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	236117	45.046	ug/l	98
28) Bromochloromethane	5.01	49	165163	49.069	ug/l	94
29) Tetrahydrofuran	5.15	42	540151	242.323	ug/l	97
30) Chloroform	5.21	83	391306	48.649	ug/l	99
31) Cyclohexane	5.57	56	293010	42.852	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	332452	48.762	ug/l	98
36) 1,1-Dichloropropene	5.80	75	263734	43.877	ug/l	99
37) Ethyl Acetate	4.86	43	315221	48.916	ug/l	97
38) Carbon Tetrachloride	5.78	117	282879	46.776	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012819\
 Data File : VX007274.D
 Acq On : 28 Jan 2019 21:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 9:51:34 AM

Quant Time: Jan 29 02:31:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	324078	42.292	ug/l	95
40) Benzene	6.14	78	849986	46.344	ug/l	98
41) Methacrylonitrile	5.06	41	174419	46.984	ug/l	98
42) 1,2-Dichloroethane	6.20	62	298324	47.070	ug/l	99
43) Isopropyl Acetate	6.46	43	504572	49.640	ug/l	98
44) Trichloroethene	7.21	130	245503	44.670	ug/l	98
45) 1,2-Dichloropropane	7.51	63	222685	48.295	ug/l	98
46) Dibromomethane	7.66	93	157581	48.628	ug/l	98
47) Bromodichloromethane	7.90	83	284668	51.608	ug/l	95
48) Methyl methacrylate	7.77	41	260413	49.888	ug/l	98
49) 1,4-Dioxane	7.75	88	109700	919.552	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1665464	254.953	ug/l	98
52) Toluene	8.79	92	551765	46.807	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	308846	50.495	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	338174	50.066	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	248035	52.568	ug/l	98
56) Ethyl methacrylate	9.18	69	351279	50.997	ug/l	96
57) 1,3-Dichloropropane	9.37	76	384616	49.756	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	934006	263.723	ug/l	99
59) 2-Hexanone	9.49	43	1252063	251.515	ug/l	99
60) Dibromochloromethane	9.58	129	250792	54.738	ug/l	99
61) 1,2-Dibromoethane	9.67	107	257587	49.589	ug/l	100
64) Tetrachloroethene	9.34	164	234804	43.106	ug/l	97
65) Chlorobenzene	10.14	112	646930	47.144	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	242087	52.442	ug/l	98
67) Ethyl Benzene	10.25	91	1054943	46.567	ug/l	98
68) m/p-Xylenes	10.36	106	835961	93.661	ug/l	99
69) o-Xylene	10.69	106	409866	47.087	ug/l	97
70) Styrene	10.71	104	670644	48.646	ug/l	99
71) Bromoform	10.86	173	188012	45.947	ug/l #	98
73) Isopropylbenzene	11.02	105	1096267	47.661	ug/l	99
74) N-amyl acetate	10.90	43	454754	49.105	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	356734	48.854	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	330408m	49.985	ug/l	
77) Bromobenzene	11.26	156	296221	46.740	ug/l	100
78) n-propylbenzene	11.36	91	1224357	48.489	ug/l	99
79) 2-Chlorotoluene	11.42	91	723087	47.572	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	891655	46.394	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	95389	44.038	ug/l	99
82) 4-Chlorotoluene	11.51	91	832508	47.305	ug/l	99
83) tert-Butylbenzene	11.77	119	928198	48.405	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	925181	47.871	ug/l	99
85) sec-Butylbenzene	11.94	105	1092656	47.713	ug/l	100
86) p-Isopropyltoluene	12.07	119	979725	47.829	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	527964	46.089	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	525795	48.449	ug/l	99
89) n-Butylbenzene	12.39	91	837333	47.952	ug/l	99
90) Hexachloroethane	12.60	117	156578	48.004	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	529515	46.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	76895	53.245	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012819\
Data File : VX007274.D
Acq On : 28 Jan 2019 21:12
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

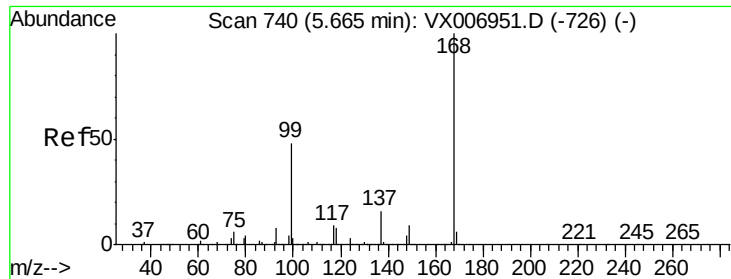
Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:34 AM

Quant Time: Jan 29 02:31:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	370661	47.791	ug/l	100
94) Hexachlorobutadiene	13.78	225	171418	49.805	ug/l	99
95) Naphthalene	13.83	128	1144792	48.711	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	373310	48.453	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 463973

Ion Ratio Lower Upper

168 100

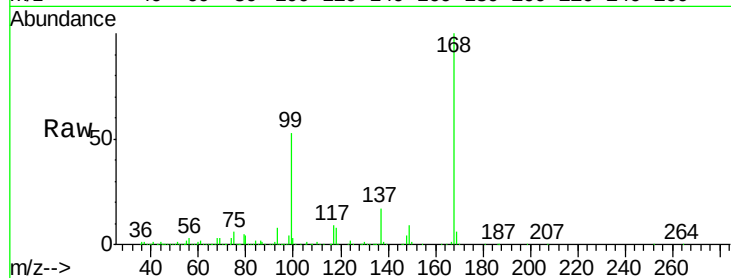
99 52.3 41.8 62.8

Manual Integrations

APPROVED

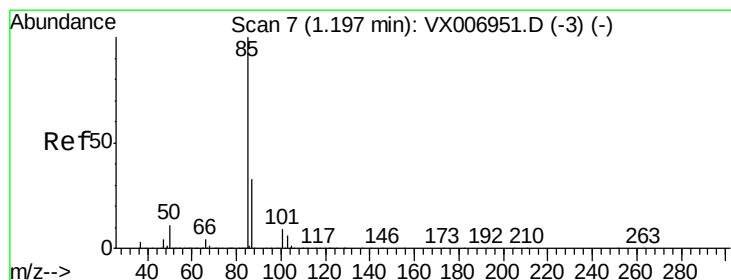
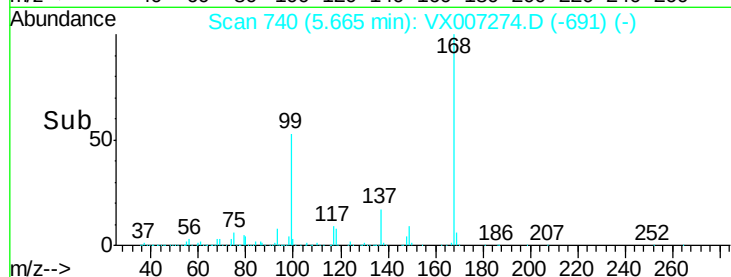
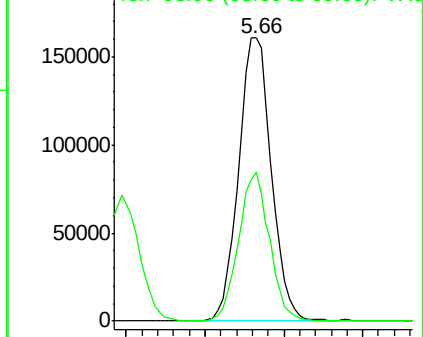
MMDadoda

1/29/2019 9:51:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 41.518 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007274.D

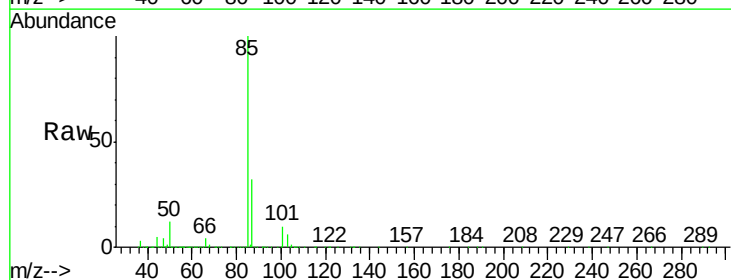
Acq: 28 Jan 2019 21:12

Tgt Ion: 85 Resp: 158189

Ion Ratio Lower Upper

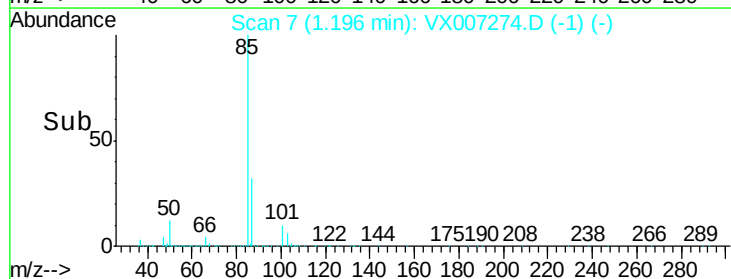
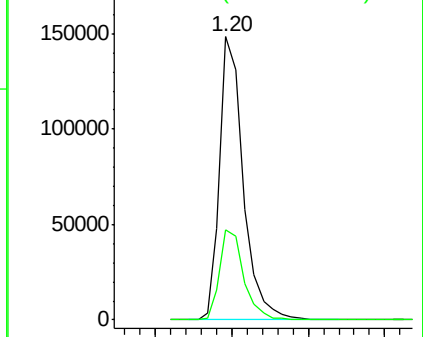
85 100

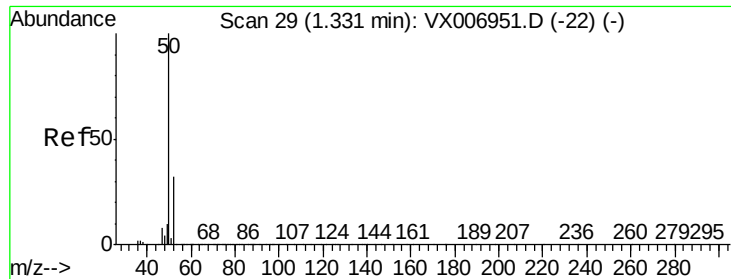
87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 53.769 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 238492

Ion Ratio Lower Upper

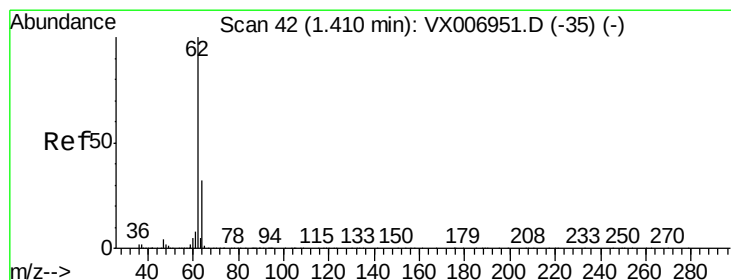
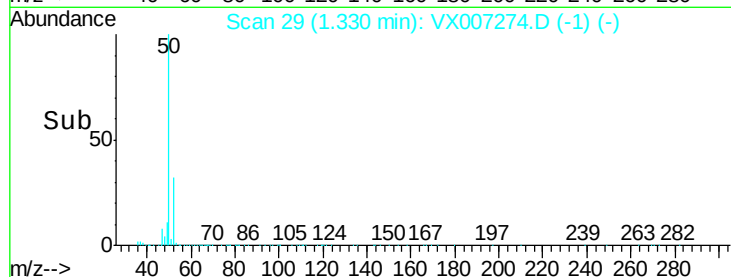
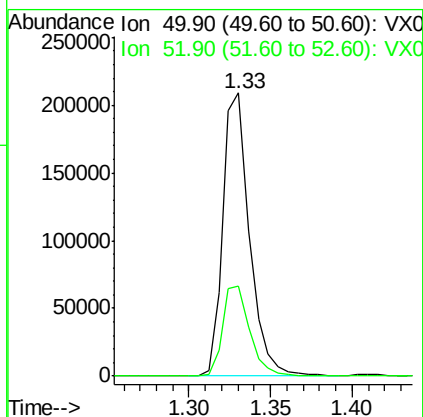
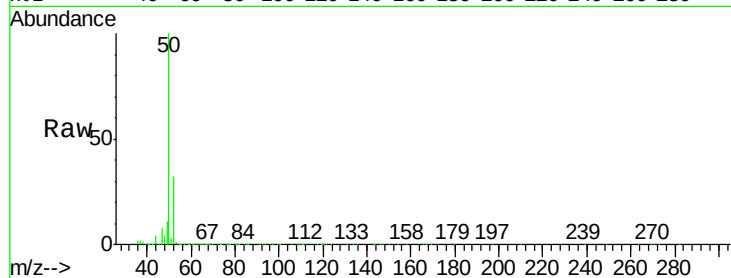
50 100

52 32.0 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:34 AM



#4

Vinyl Chloride

Concen: 43.309 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007274.D

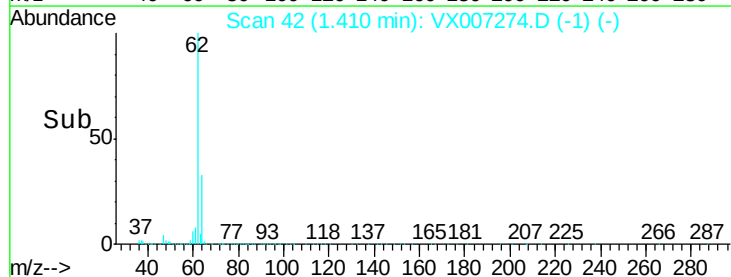
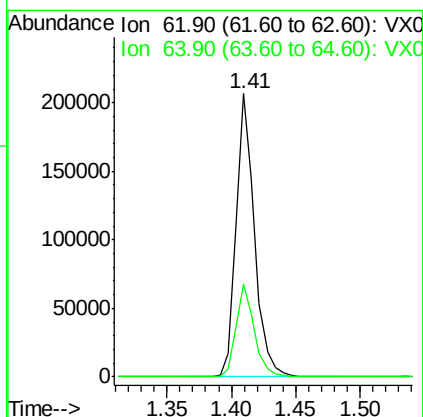
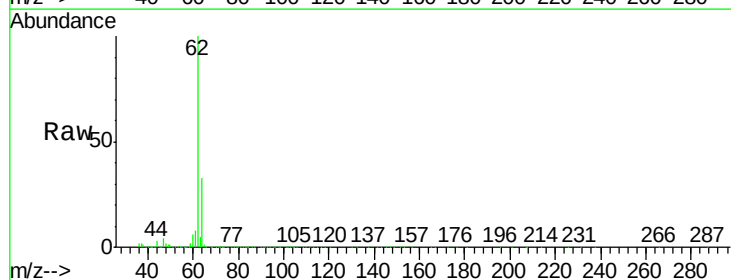
Acq: 28 Jan 2019 21:12

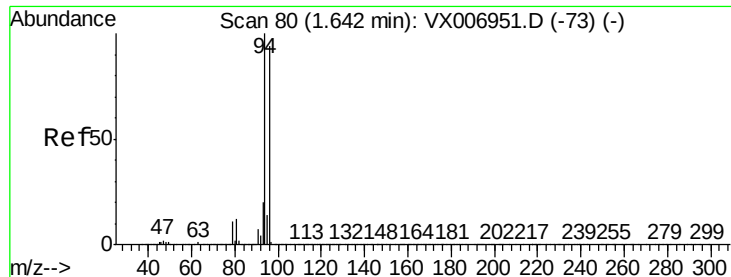
Tgt Ion: 62 Resp: 206638

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 34.712 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 176947

Ion Ratio Lower Upper

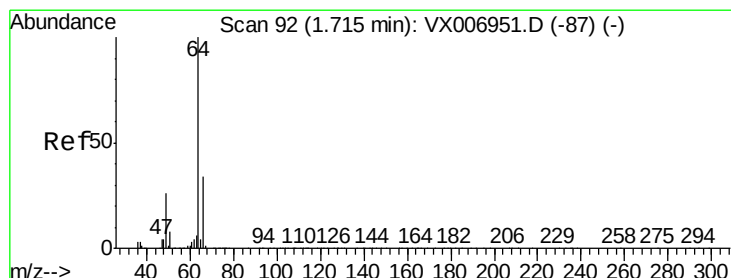
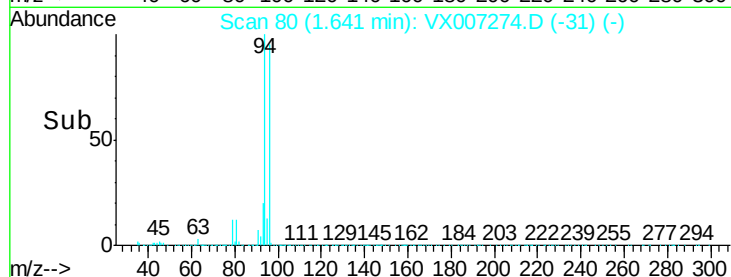
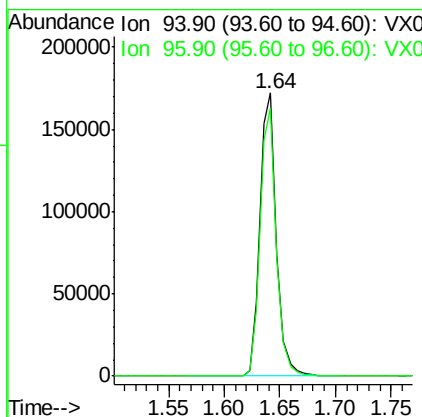
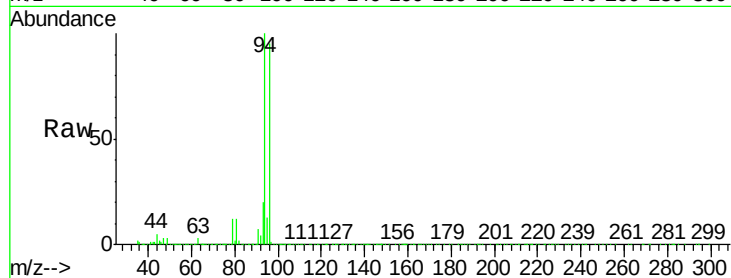
94 100

96 94.8 73.4 110.2

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:34 AM



#6

Chloroethane

Concen: 42.736 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007274.D

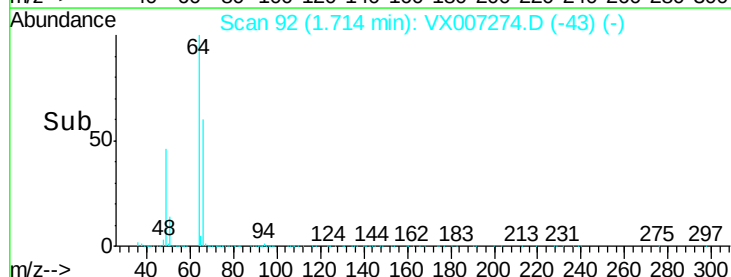
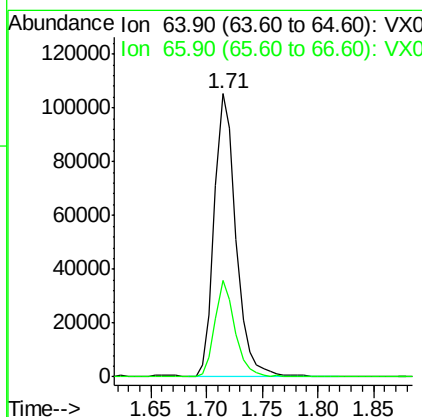
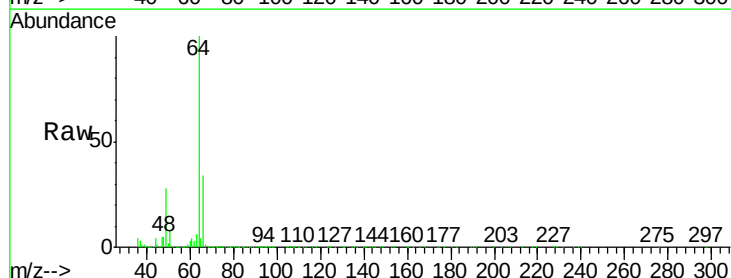
Acq: 28 Jan 2019 21:12

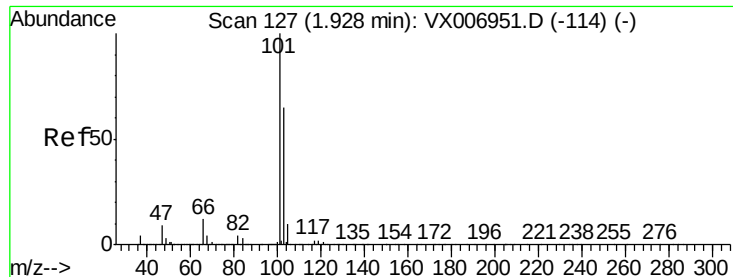
Tgt Ion: 64 Resp: 142376

Ion Ratio Lower Upper

64 100

66 33.8 26.4 39.6





#7

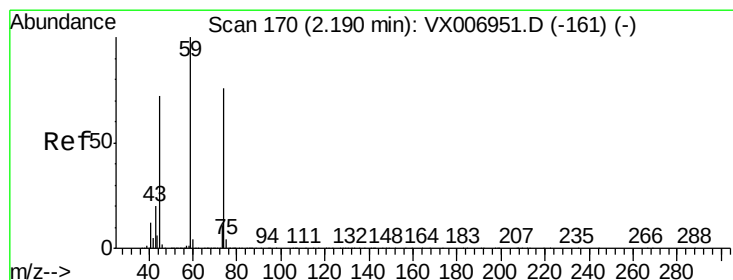
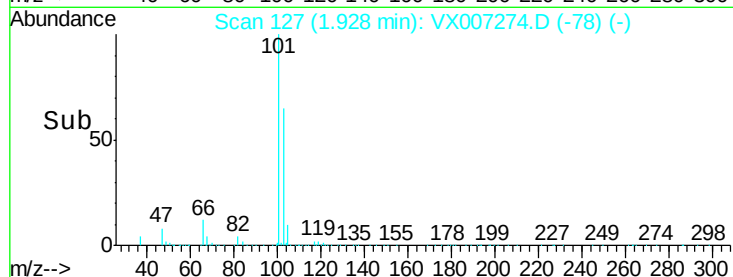
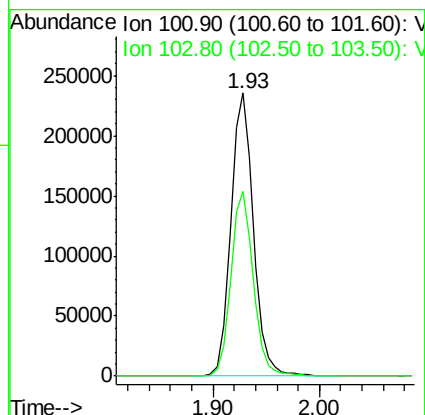
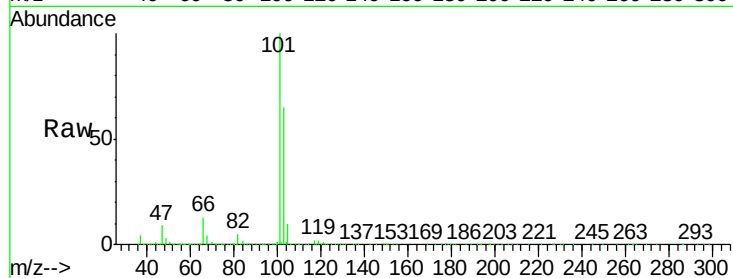
Trichlorofluoromethane
Concen: 45.417 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.2	79.8

Manual Integrations
APPROVED

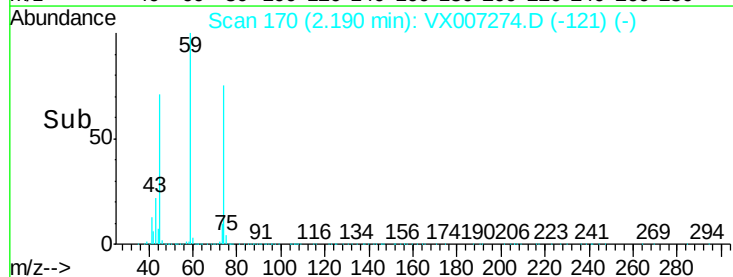
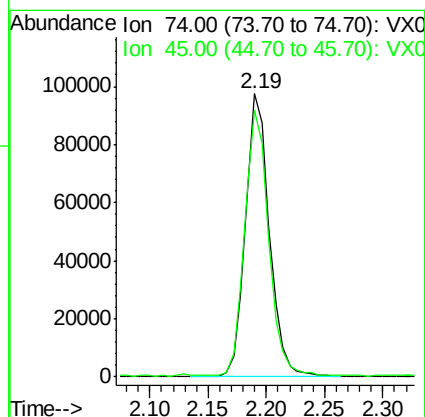
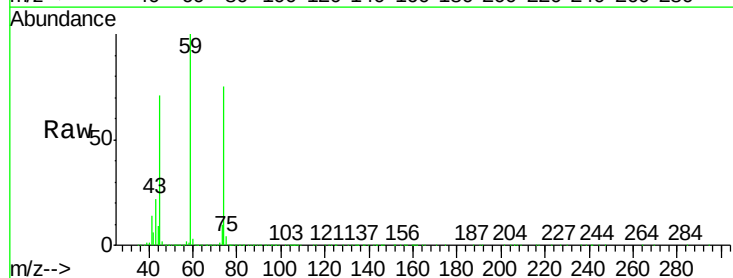
MMDadoda
1/29/2019 9:51:34 AM

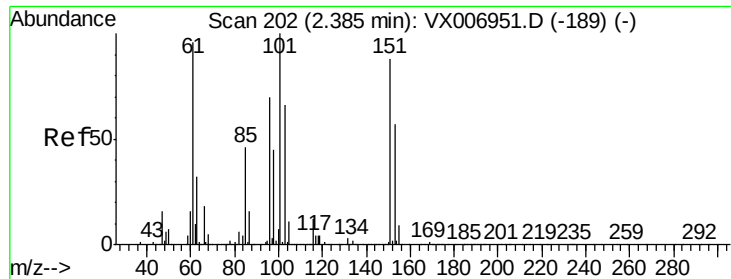


#8

Diethyl Ether
Concen: 45.742 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.567 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

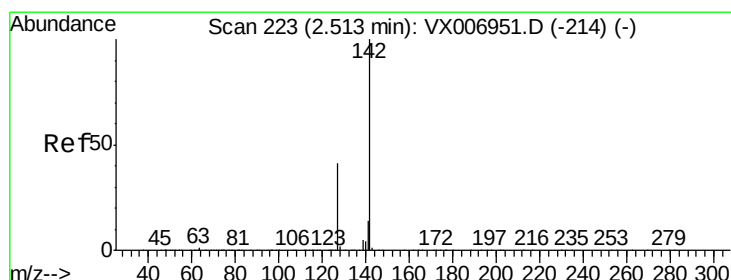
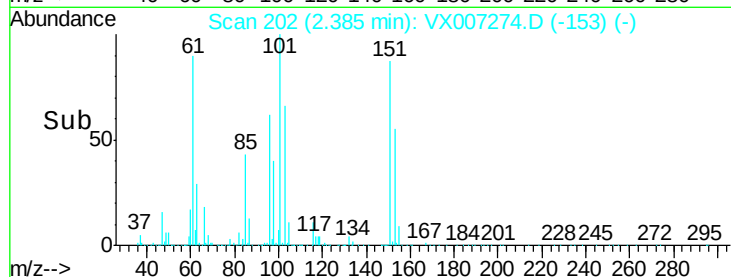
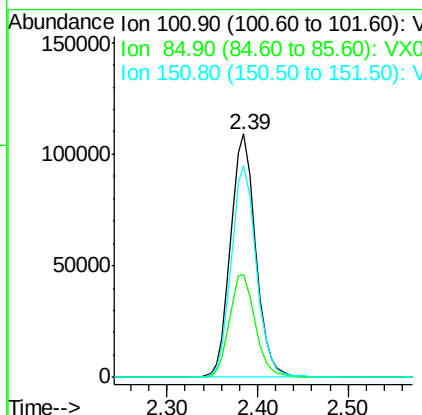
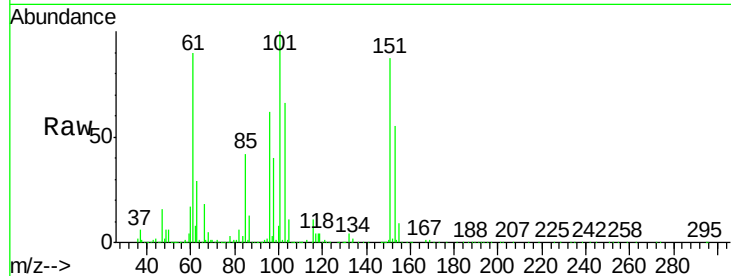
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	210313
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.1	52.7
151	86.7	68.9	103.3

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:34 AM



#10

Methyl Iodide

Concen: 39.792 ug/l

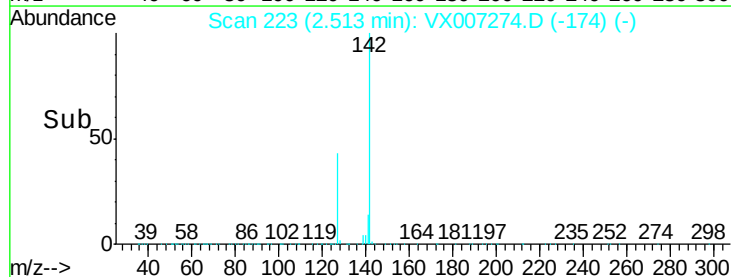
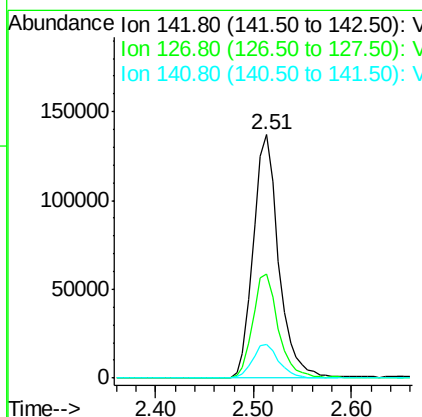
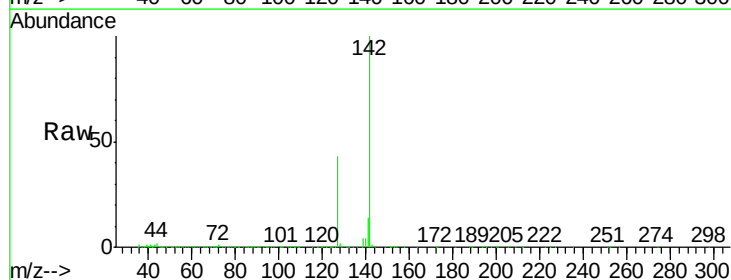
RT: 2.51 min Scan# 223

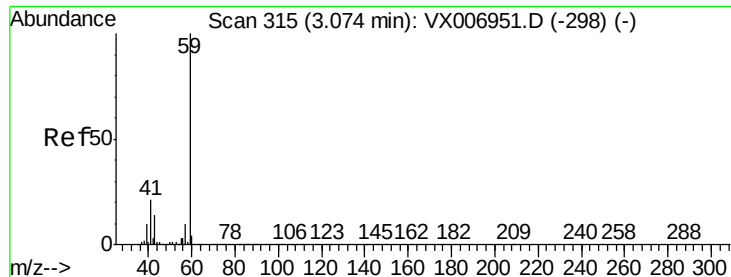
Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion:	142	Resp:	247738
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.9	50.9
141	14.5	11.4	17.0





#11

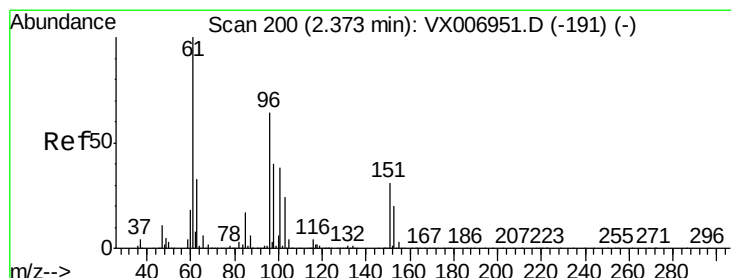
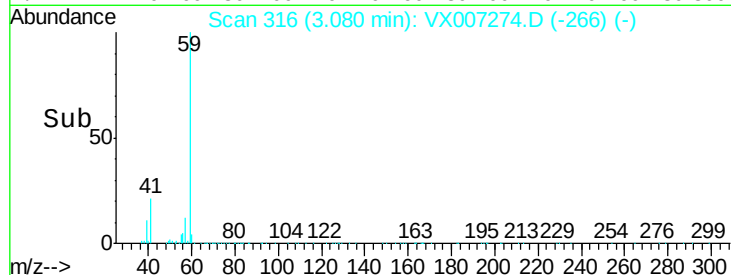
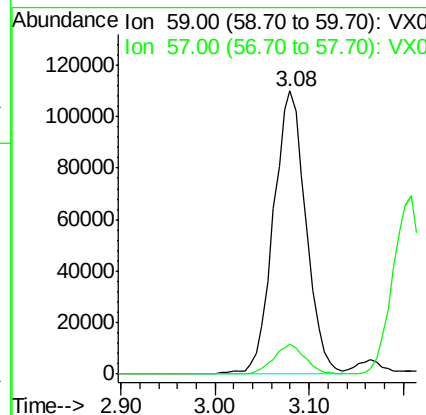
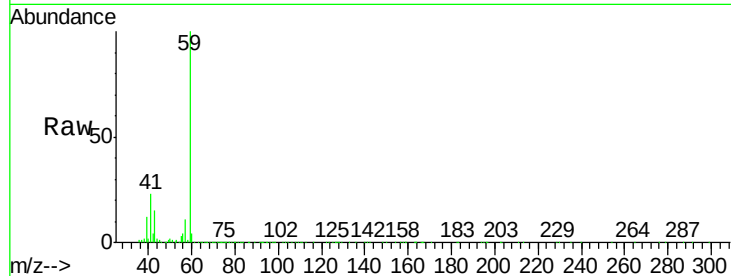
Tert butyl alcohol
Concen: 232.703 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

Manual Integrations
APPROVED

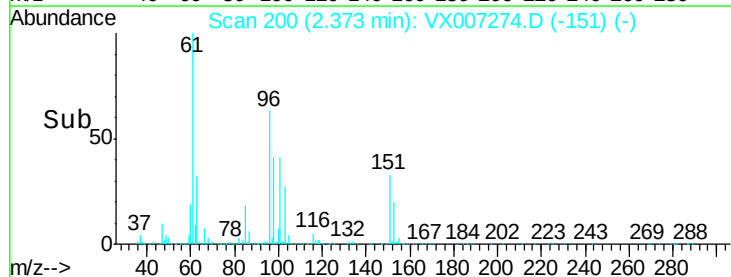
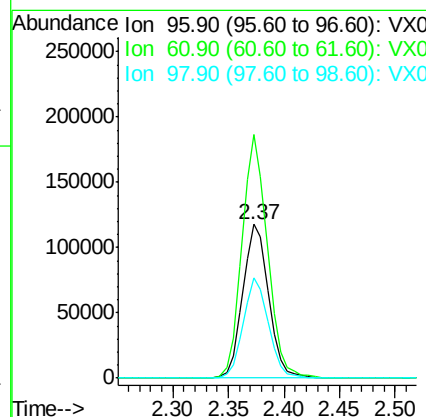
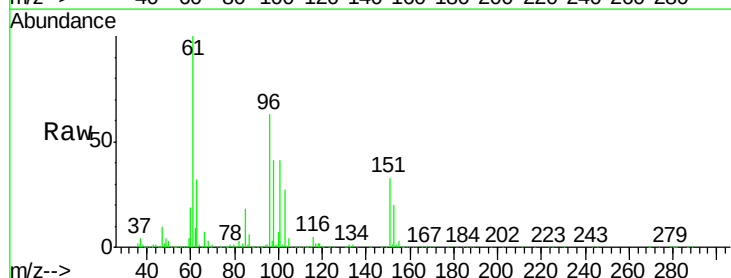
MMDadoda
1/29/2019 9:51:34 AM

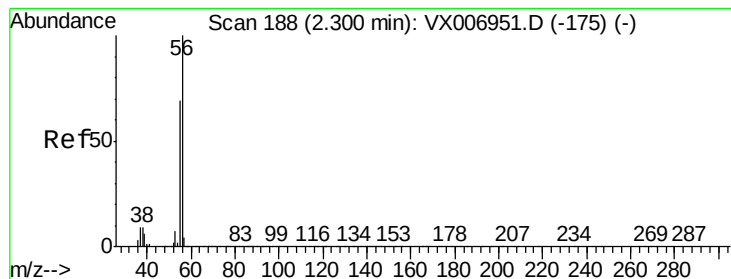


#12

1,1-Dichloroethene
Concen: 44.430 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	121.4	182.2
98	65.2	51.9	77.9





#13

Acrolein

Concen: 272.210 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 134422

Ion Ratio Lower Upper

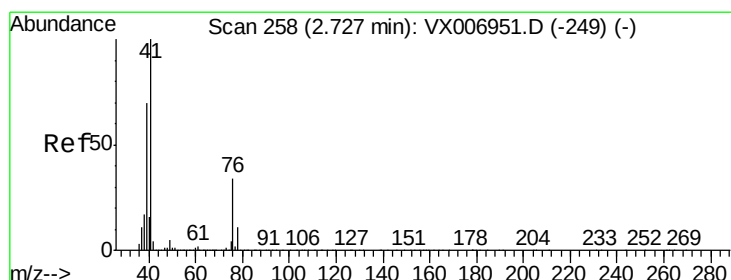
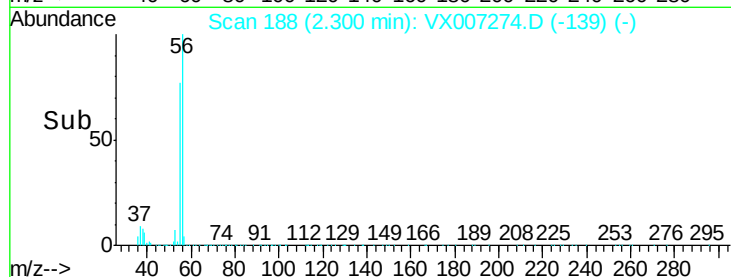
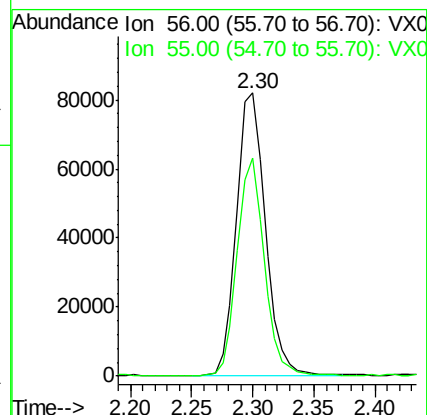
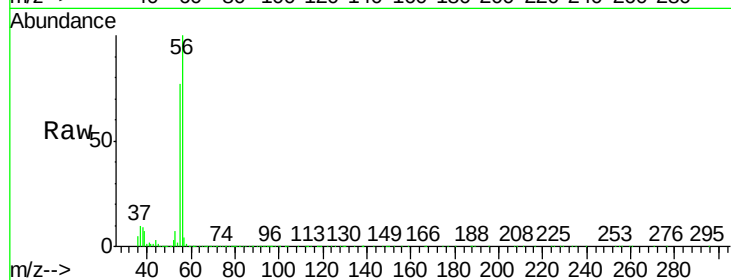
56 100

55 72.0 58.2 87.4

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:34 AM



#14

Allyl chloride

Concen: 46.692 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

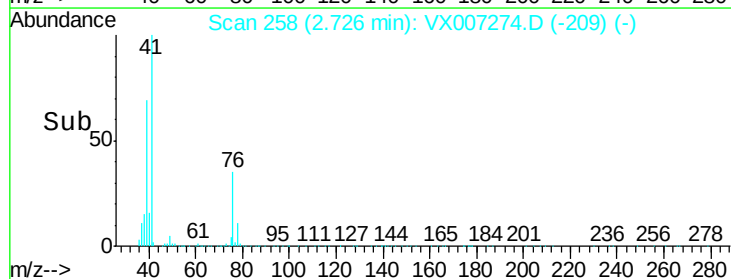
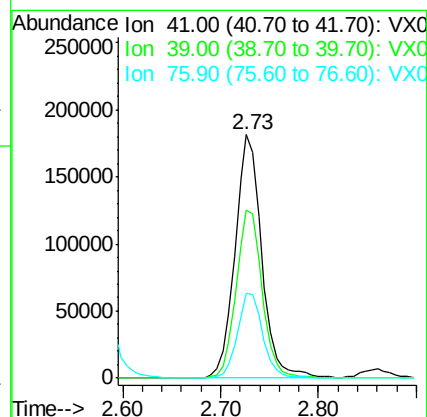
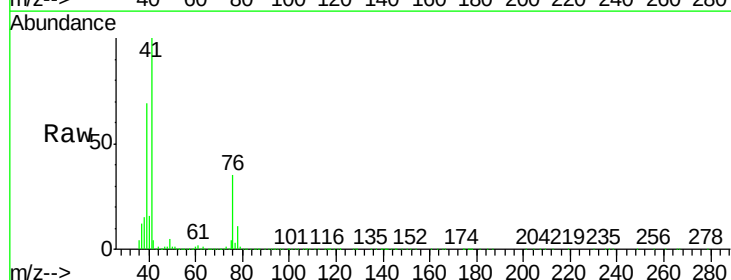
Tgt Ion: 41 Resp: 341235

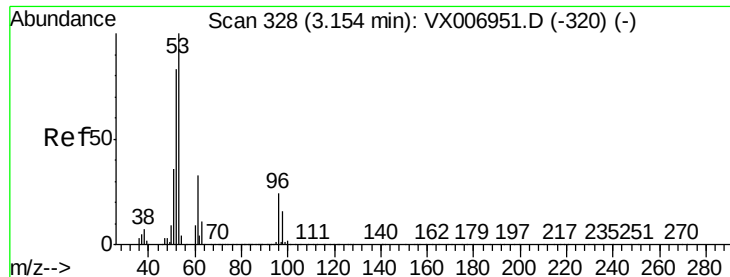
Ion Ratio Lower Upper

41 100

39 67.6 53.6 80.4

76 32.8 27.4 41.2





#15

Acrylonitrile

Concen: 248.699 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

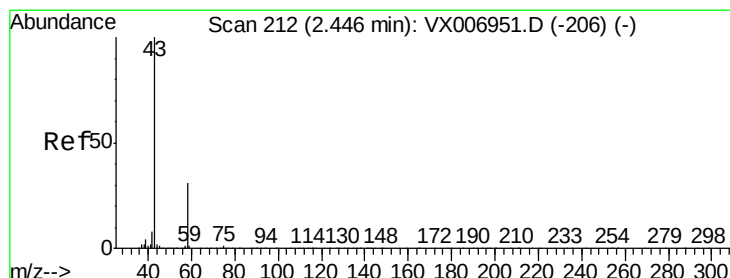
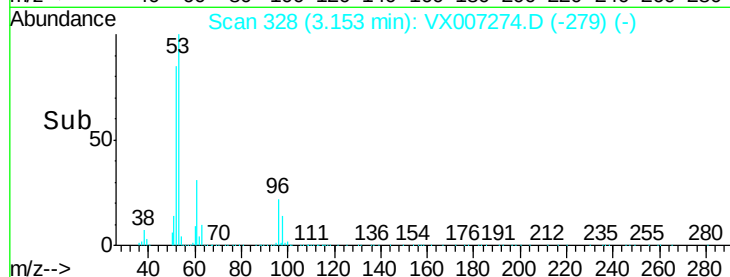
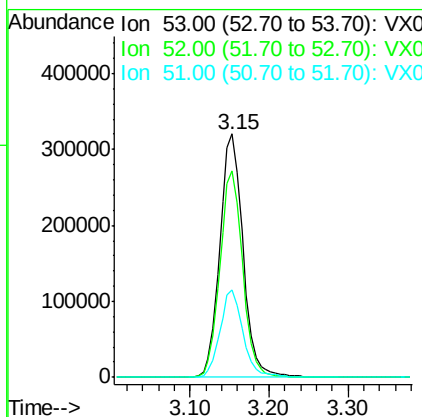
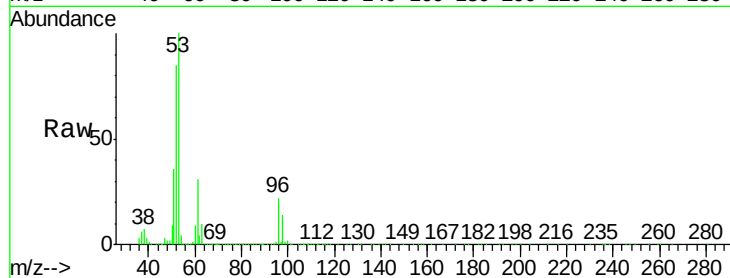
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	653036
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.0	99.0
51	35.7	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:34 AM



#16

Acetone

Concen: 234.113 ug/l

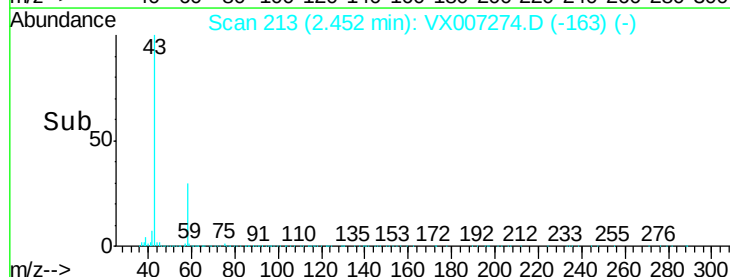
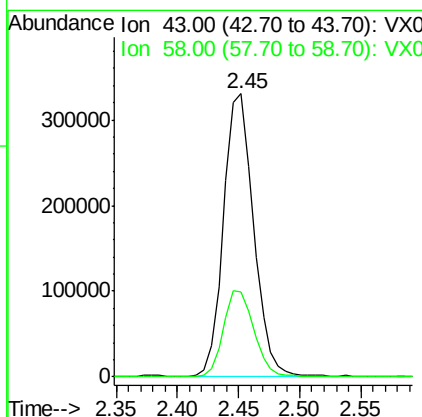
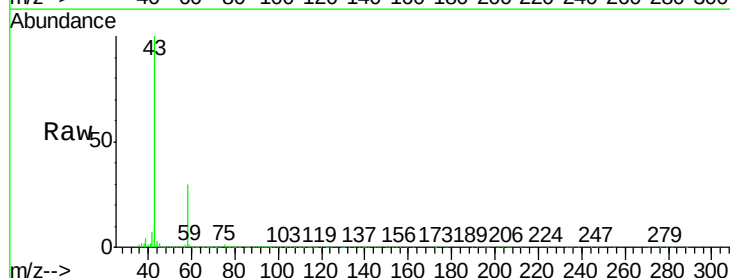
RT: 2.45 min Scan# 213

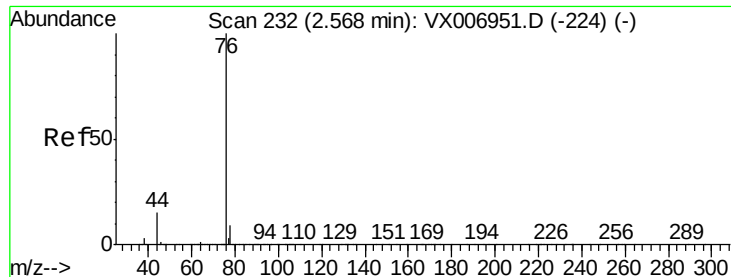
Delta R.T. 0.01 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion:	43	Resp:	561203
Ion Ratio	Lower	Upper	
43	100		
58	30.1	25.0	37.6





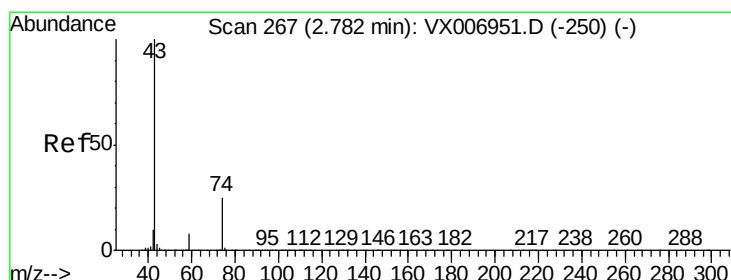
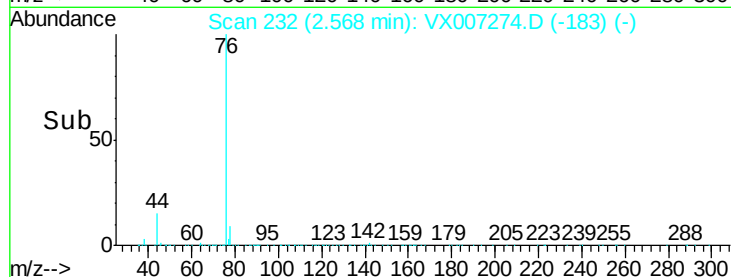
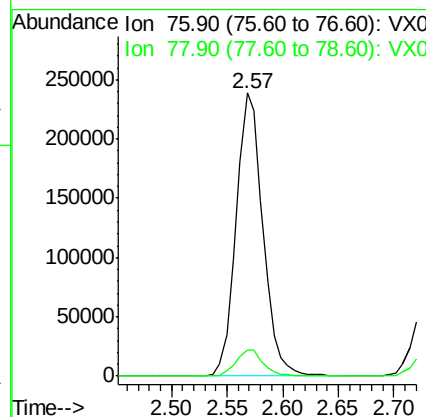
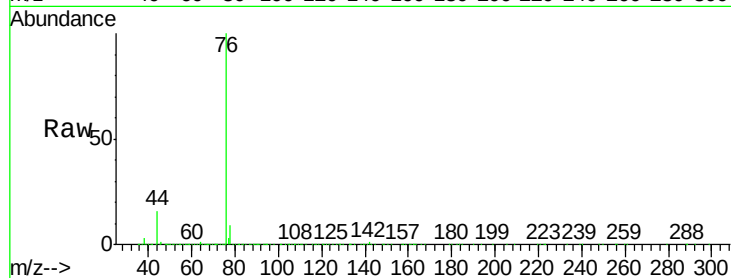
#17
Carbon Disulfide
Concen: 36.285 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

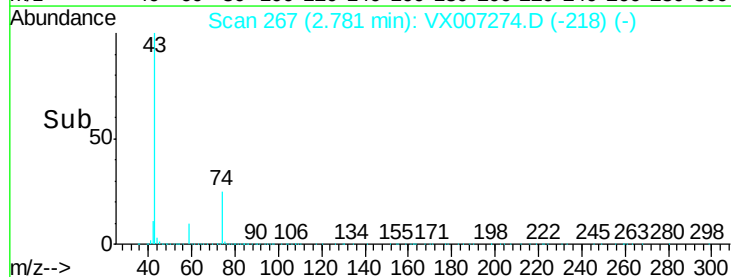
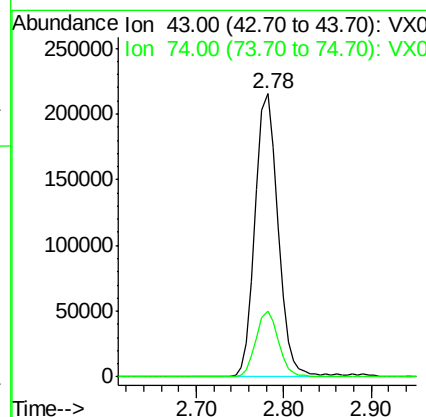
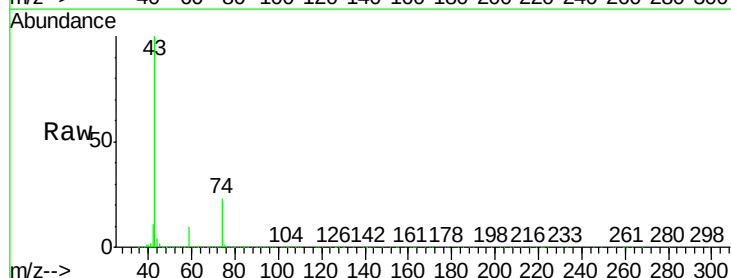
Manual Integrations
APPROVED

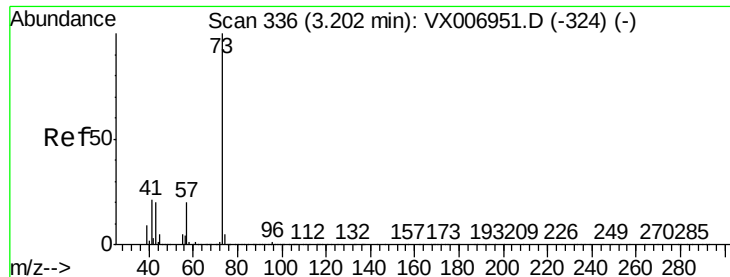
MMDadoda
1/29/2019 9:51:34 AM



#18
Methyl Acetate
Concen: 56.757 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.6	28.0





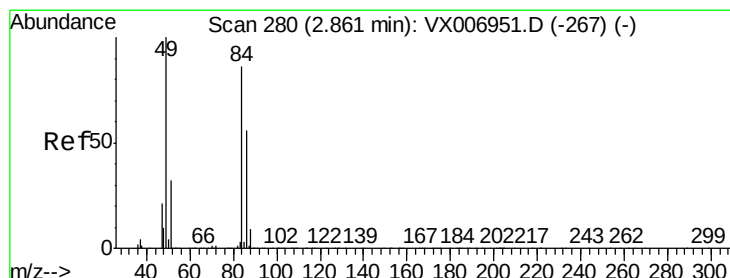
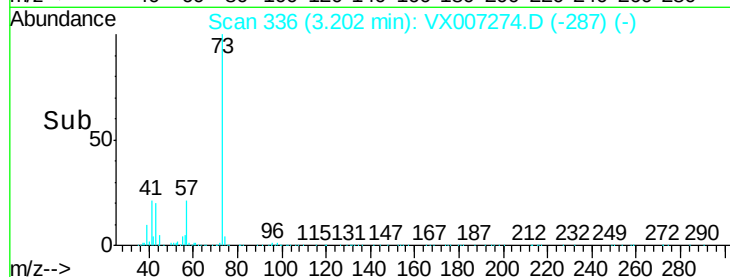
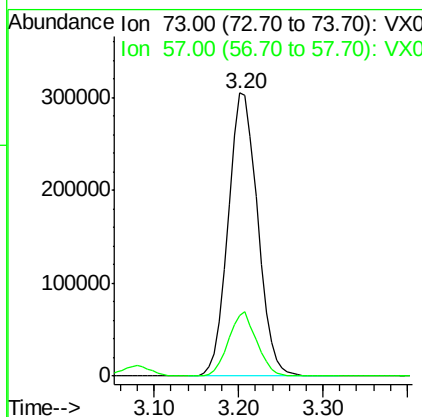
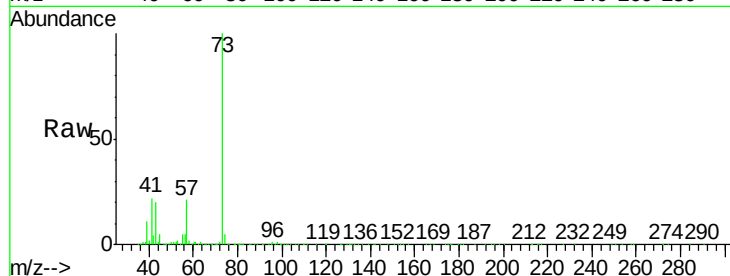
#19
Methyl tert-butyl Ether
Concen: 48.894 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.8	25.2

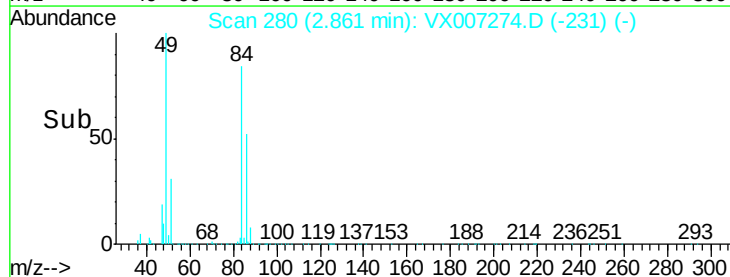
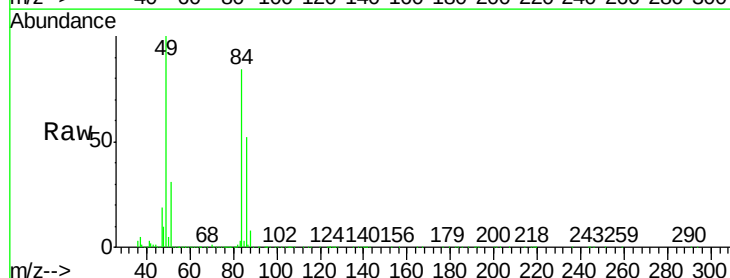
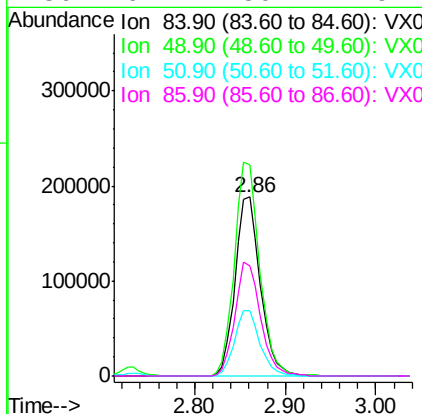
Manual Integrations
APPROVED

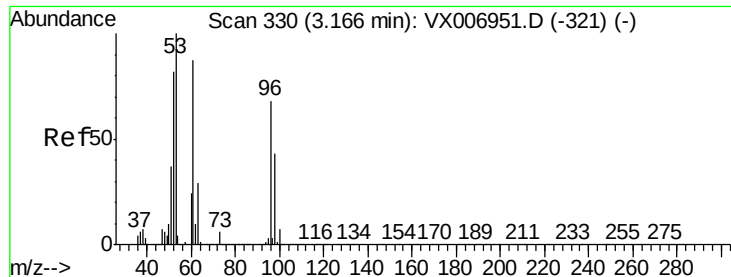
MMDadoda
1/29/2019 9:51:34 AM



#20
Methylene Chloride
Concen: 80.095 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.3	91.8	137.6
51	36.1	28.5	42.7
86	61.2	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 42.499 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

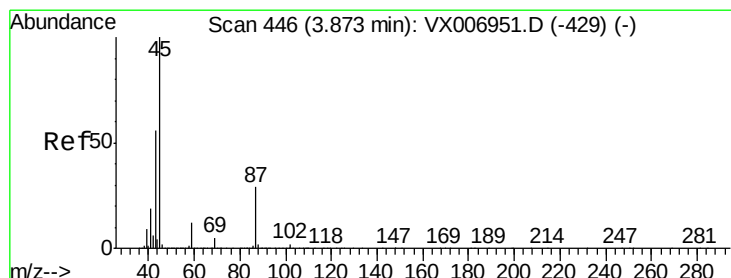
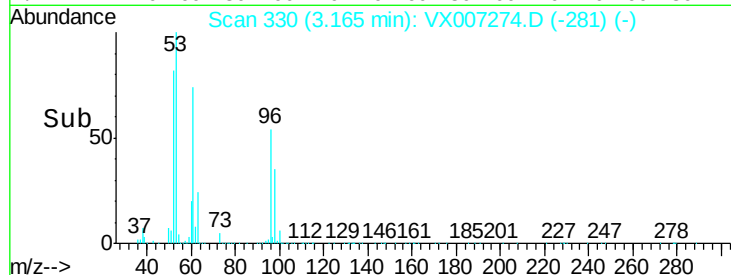
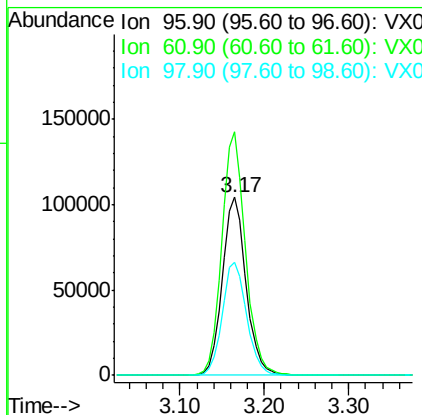
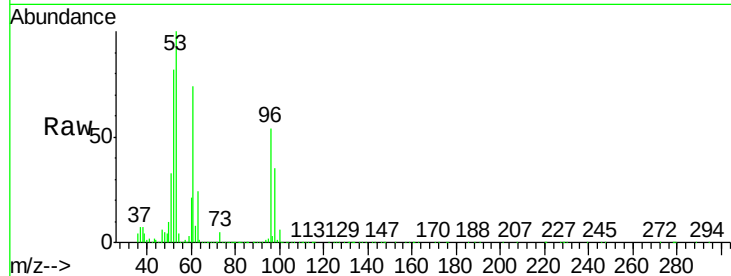
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	201958
Ion	Ratio	Lower	Upper
96	100		
61	136.7	103.7	155.5
98	63.6	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:34 AM



#22

Diisopropyl ether

Concen: 48.836 ug/l

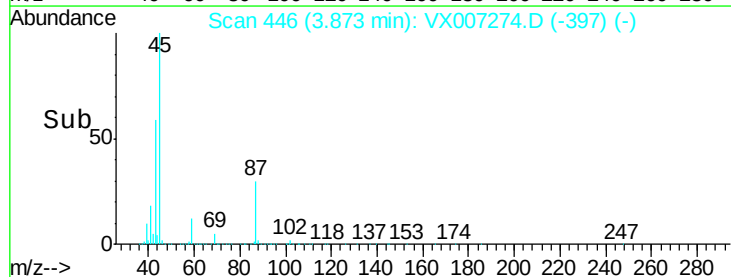
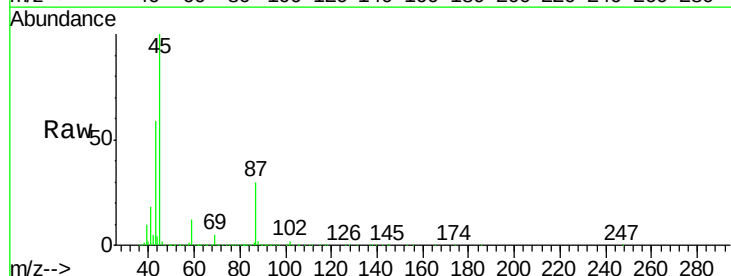
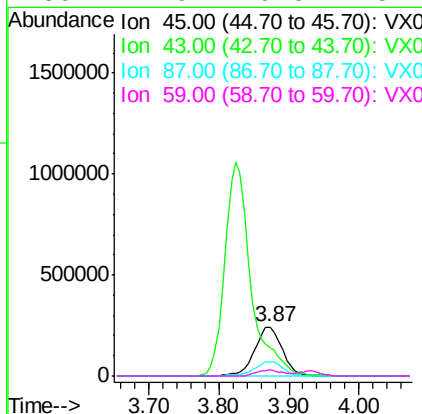
RT: 3.87 min Scan# 446

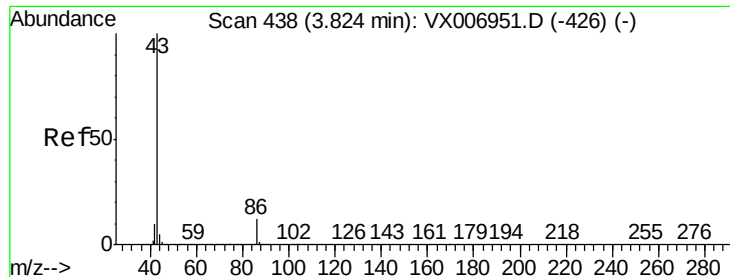
Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion:	45	Resp:	670971
Ion	Ratio	Lower	Upper
45	100		
43	58.9	51.2	76.8
87	29.9	25.8	38.6
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 237.253 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2748952

Ion Ratio Lower Upper

43 100

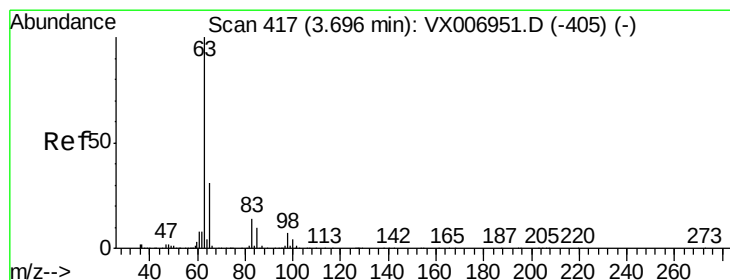
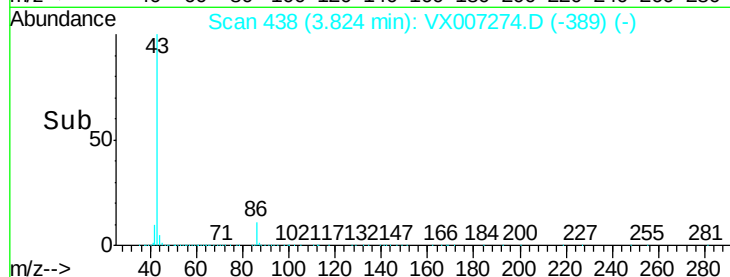
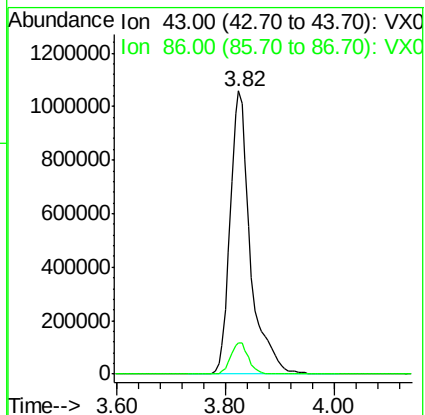
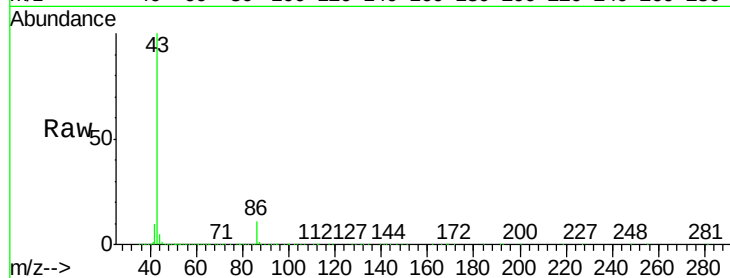
86 11.2 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

1/29/2019 9:51:34 AM



#24

1,1-Dichloroethane

Concen: 47.391 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

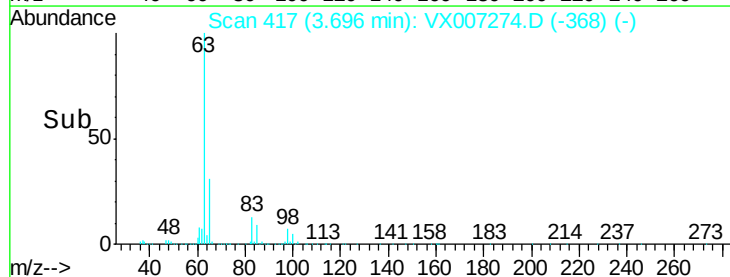
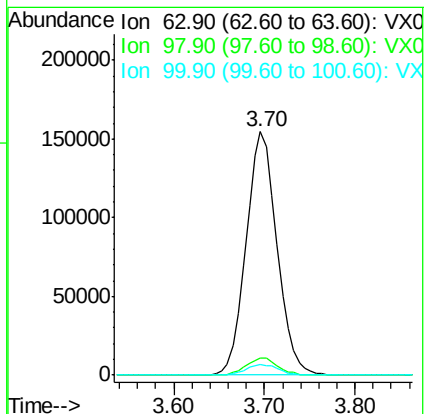
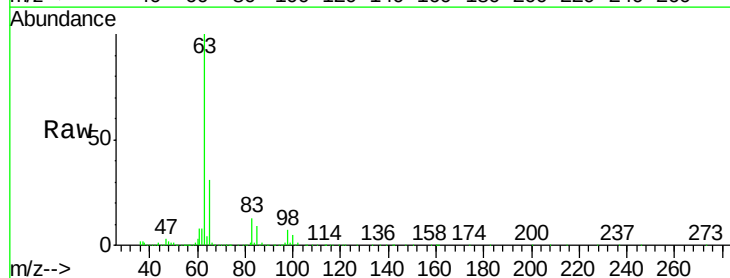
Tgt Ion: 63 Resp: 364078

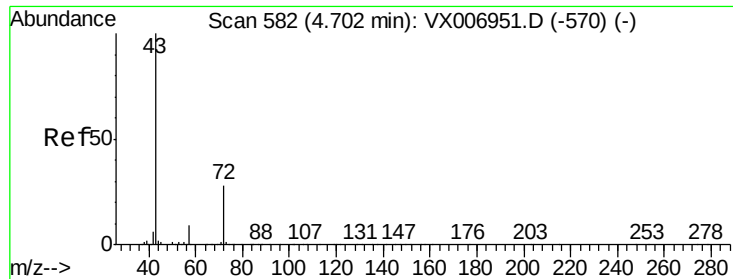
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 241.593 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 828656

Ion Ratio Lower Upper

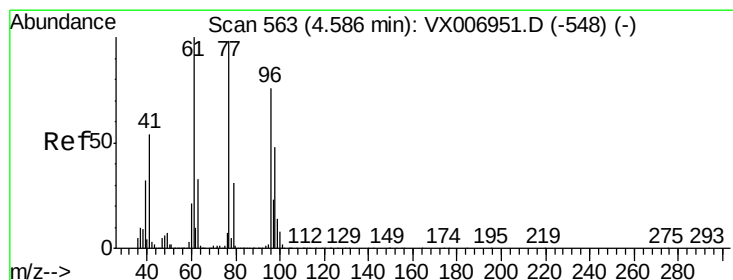
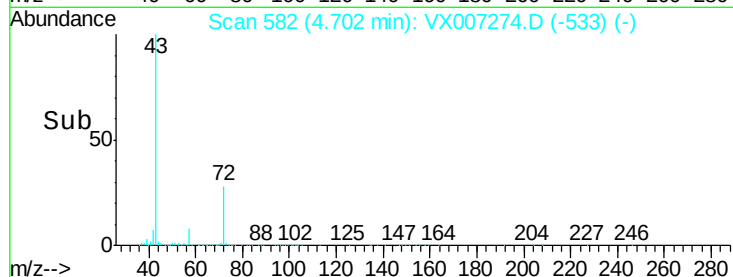
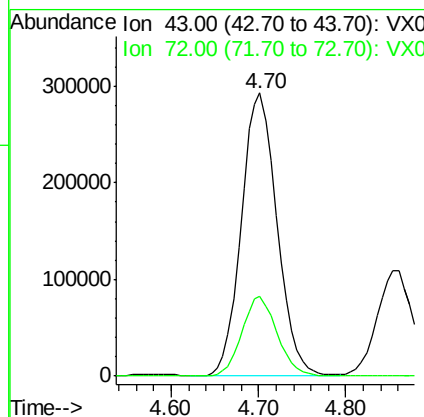
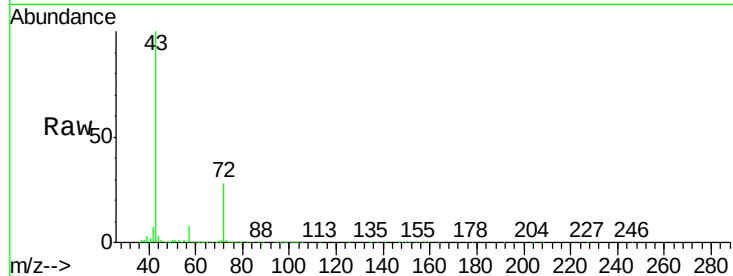
43 100

72 27.9 22.4 33.6

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:34 AM



#26

2,2-Dichloropropane

Concen: 41.852 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007274.D

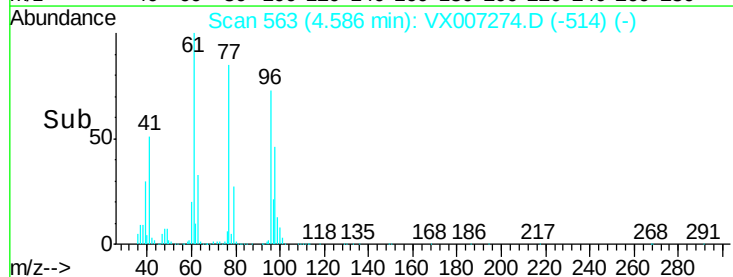
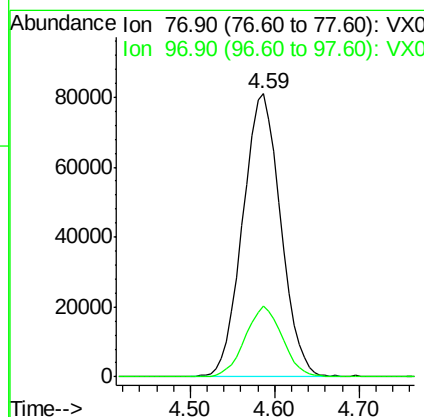
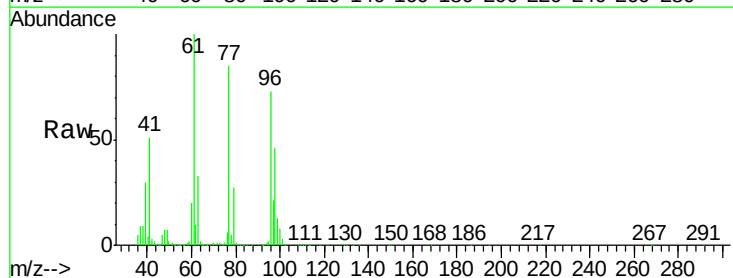
Acq: 28 Jan 2019 21:12

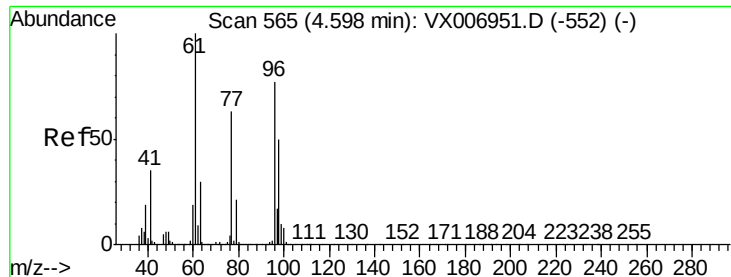
Tgt Ion: 77 Resp: 247243

Ion Ratio Lower Upper

77 100

97 24.7 12.4 37.4





#27

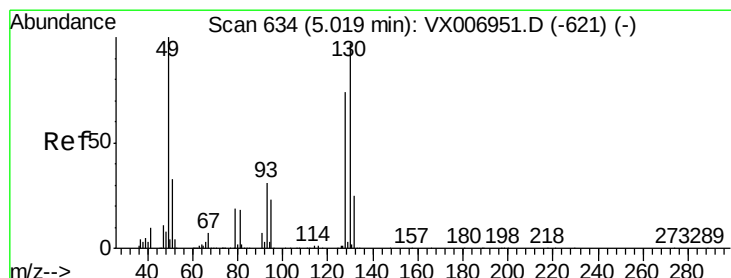
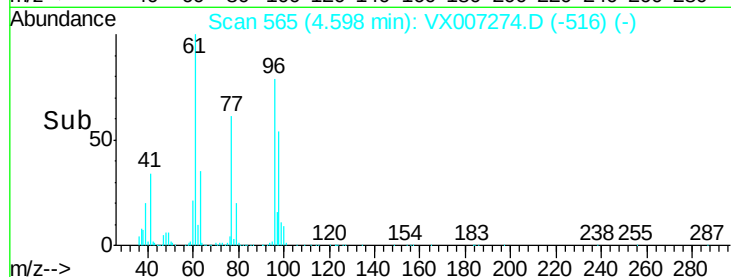
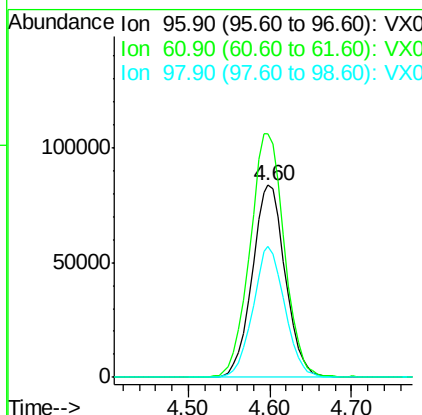
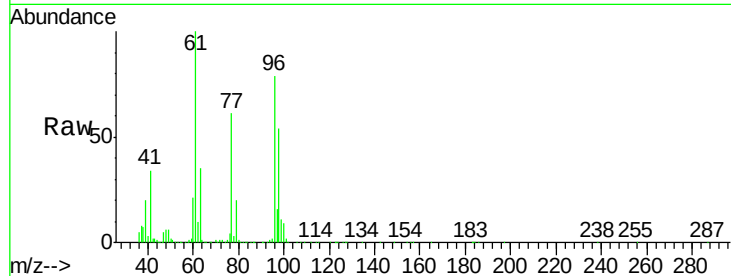
cis-1,2-Dichloroethene
Concen: 45.046 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	236117		
61	131.8	0.0	258.6	
98	65.7	0.0	132.0	

Manual Integrations
APPROVED

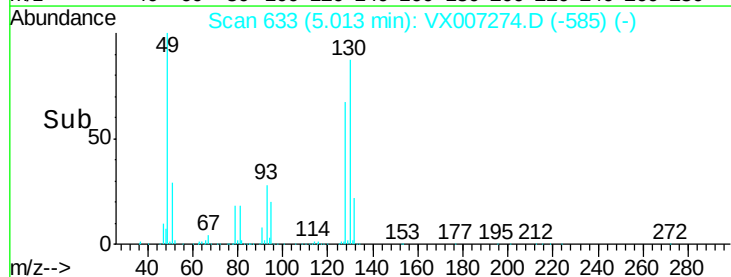
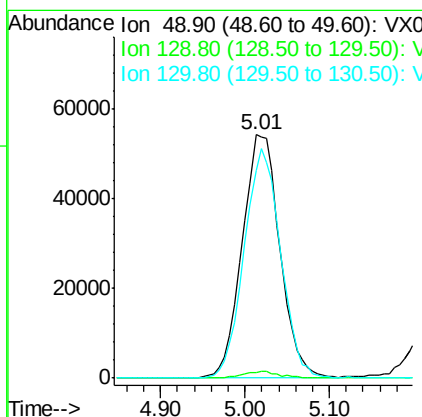
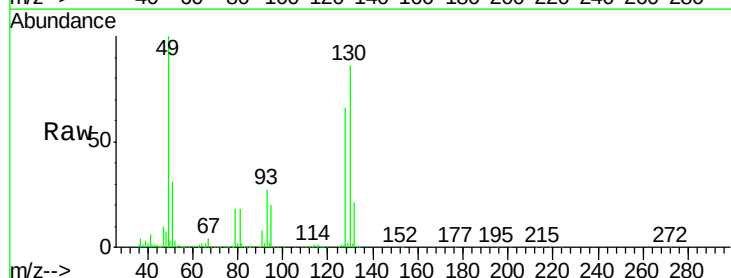
MMDadoda
1/29/2019 9:51:34 AM

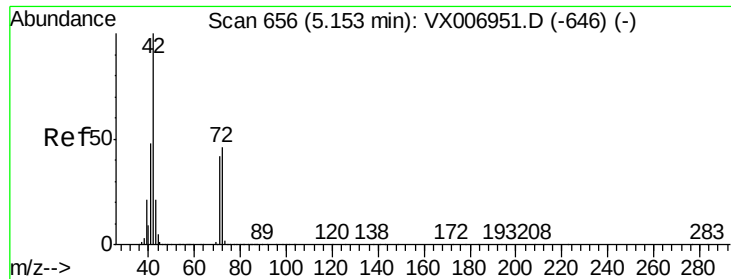


#28

Bromochloromethane
Concen: 49.069 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	165163		
129	2.7	0.0	5.4	
130	91.2	77.7	116.5	





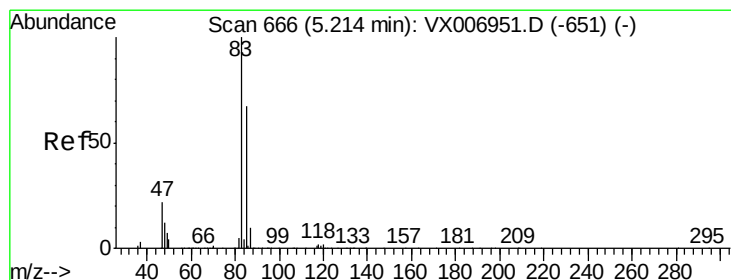
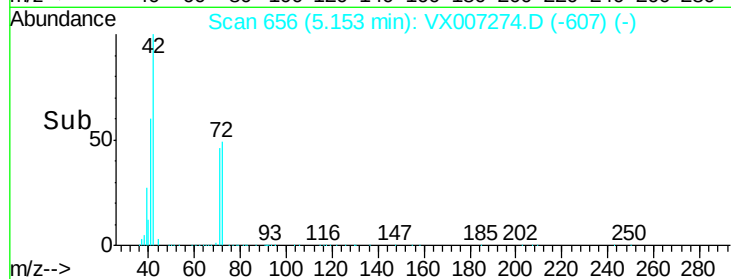
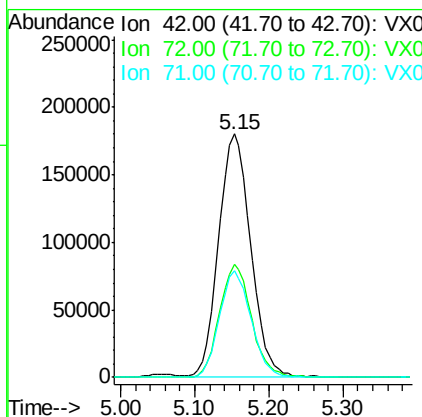
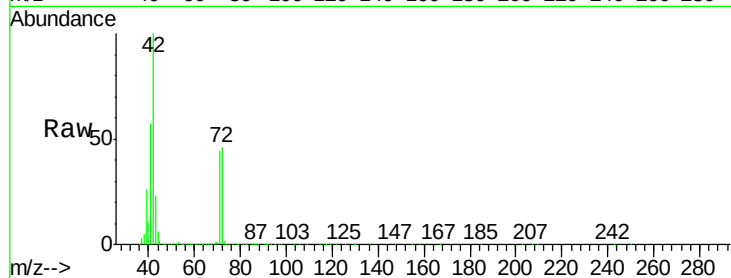
#29
Tetrahydrofuran
Concen: 242.323 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	38.9	58.3
71	43.2	36.2	54.4

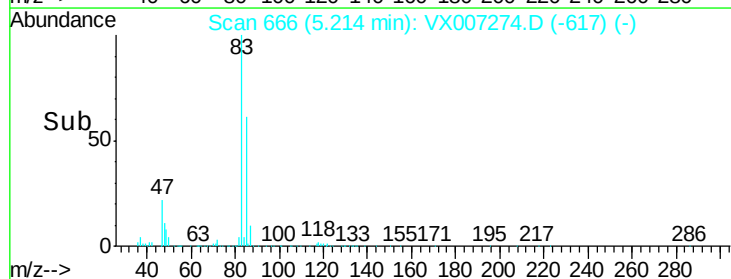
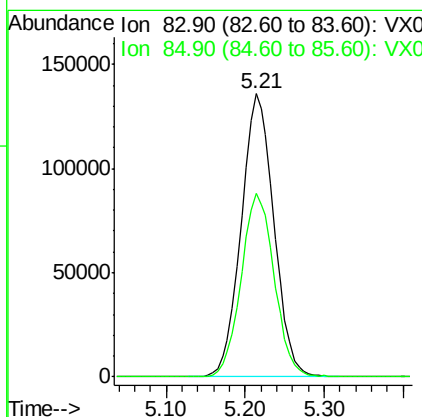
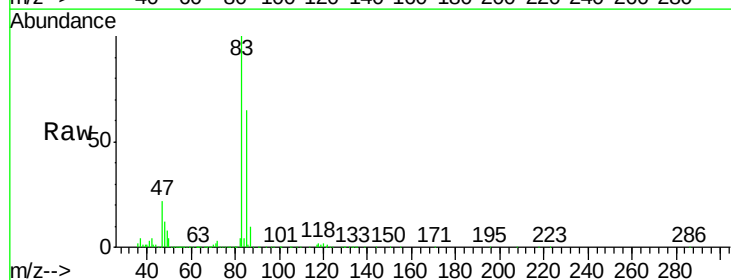
Manual Integrations
APPROVED

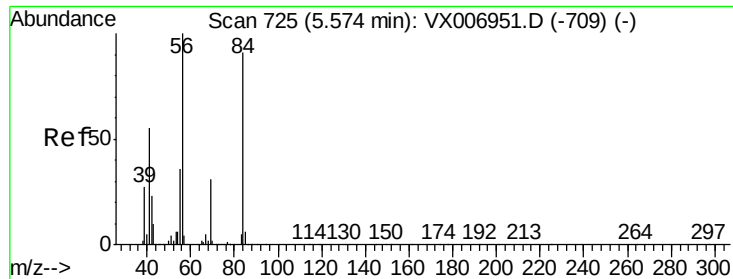
MMDadoda
1/29/2019 9:51:34 AM



#30
Chloroform
Concen: 48.649 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8





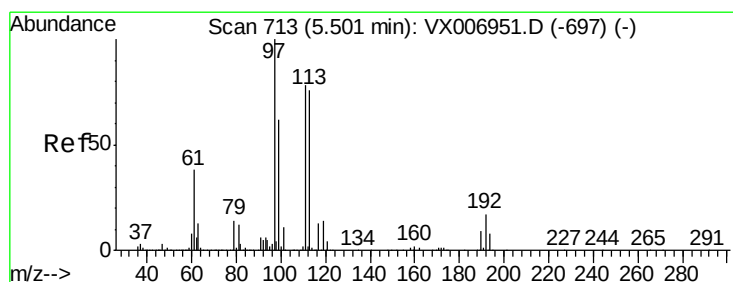
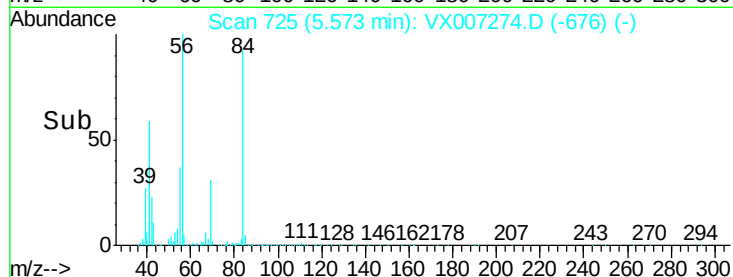
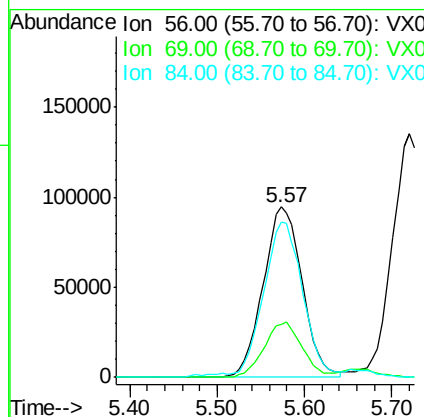
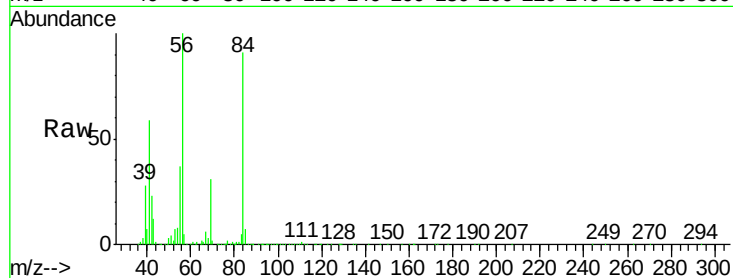
#31
Cyclohexane
Concen: 42.852 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.4	36.6
84	90.6	70.0	105.0

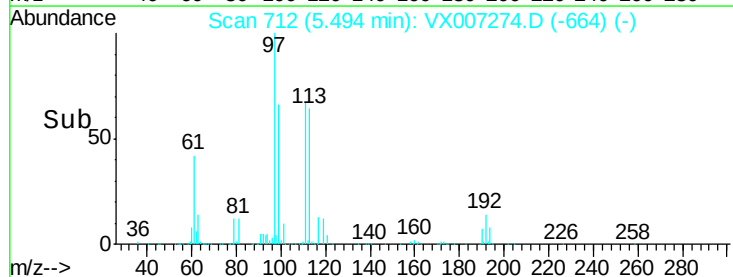
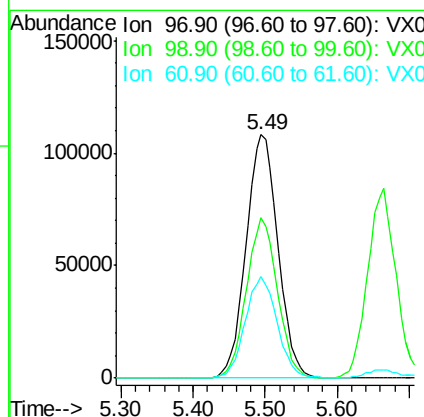
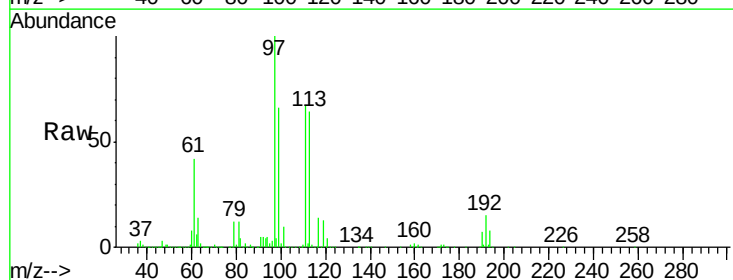
Manual Integrations
APPROVED

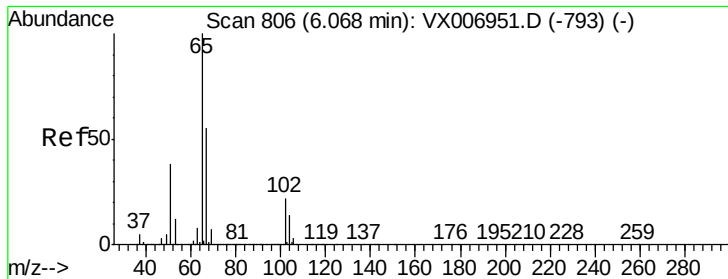
MMDadoda
1/29/2019 9:51:34 AM



#32
1,1,1-Trichloroethane
Concen: 48.762 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	41.7	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 49.839 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 241664

Ion Ratio Lower Upper

65 100

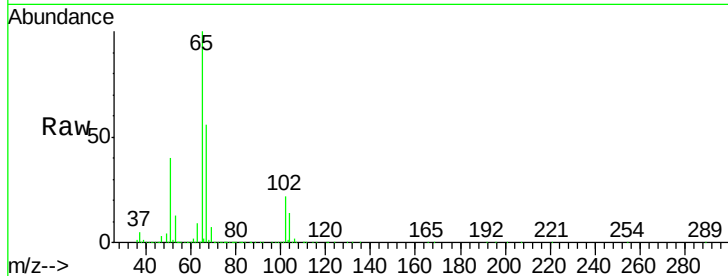
67 54.3 0.0 105.0

Manual Integrations

APPROVED

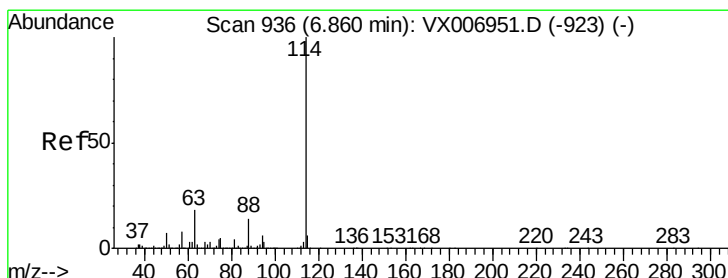
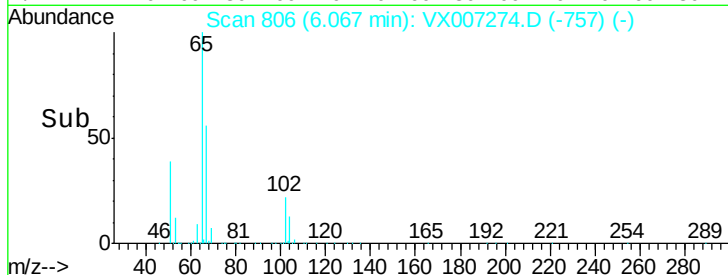
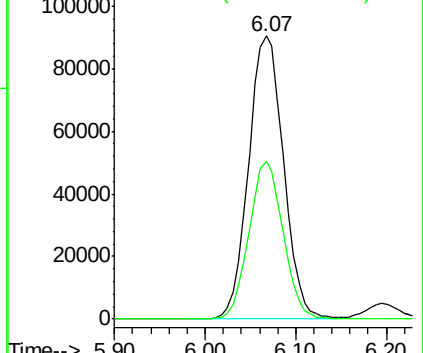
MMDadoda

1/29/2019 9:51:34 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: VX007274.D

Acq: 28 Jan 2019 21:12

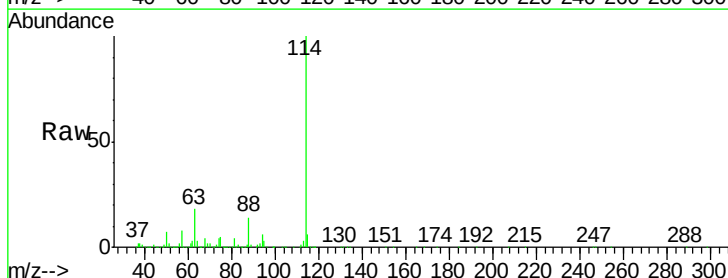
Tgt Ion: 114 Resp: 691356

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

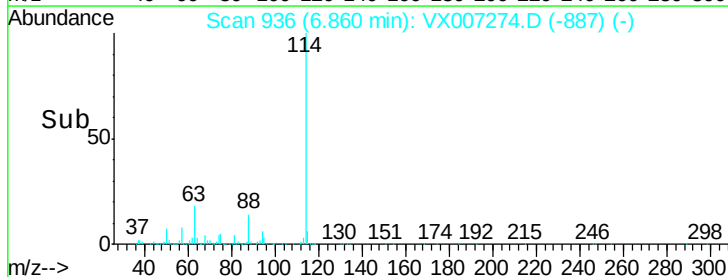
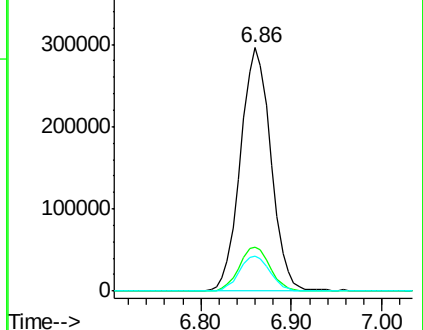
88 14.1 0.0 28.8

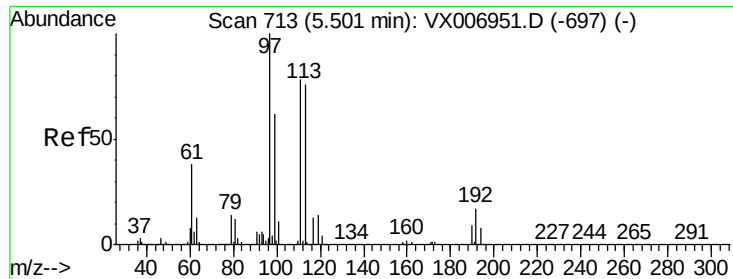


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.946 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

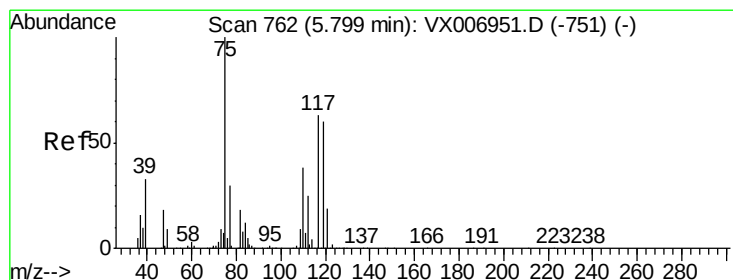
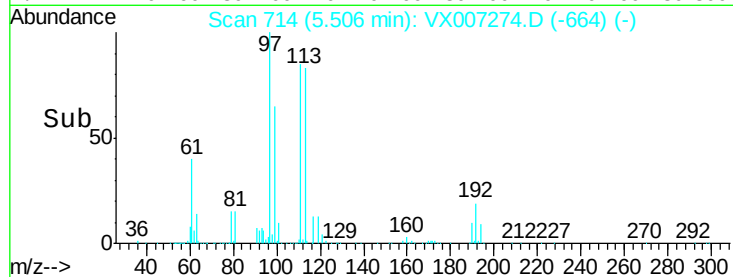
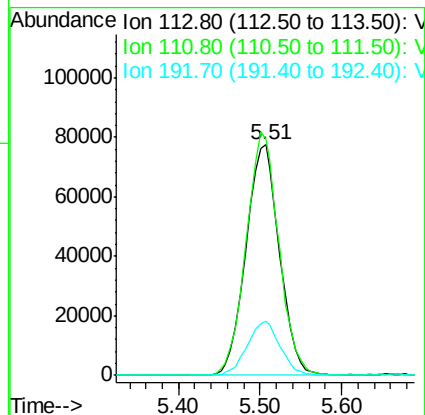
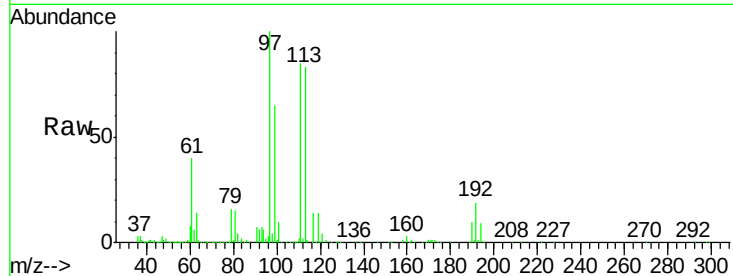
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	221131
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.6	122.4
192	23.2	16.7	25.1

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:34 AM



#36

1,1-Dichloropropene

Concen: 43.877 ug/l

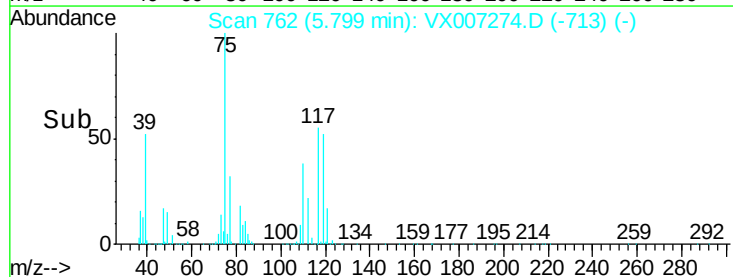
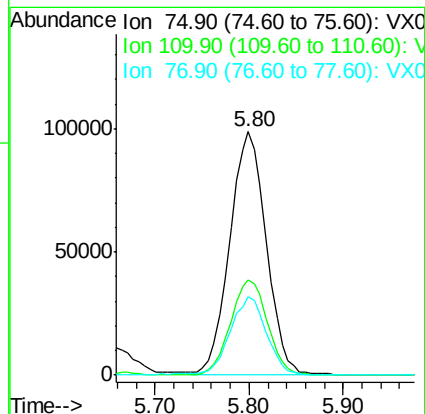
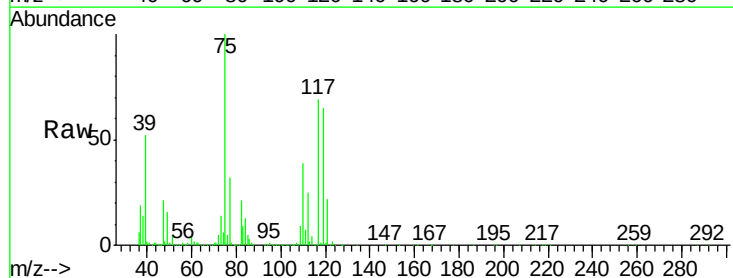
RT: 5.80 min Scan# 762

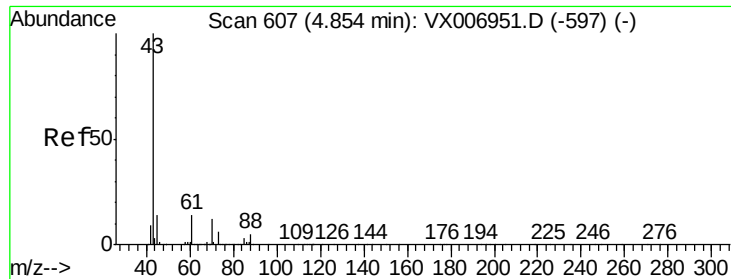
Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion:	75	Resp:	263734
Ion Ratio	Lower	Upper	
75	100		
110	40.1	20.2	60.5
77	32.2	24.8	37.2





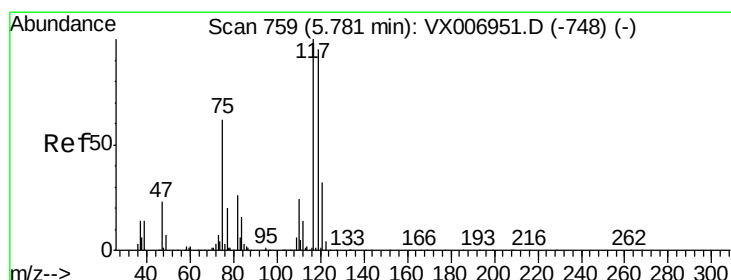
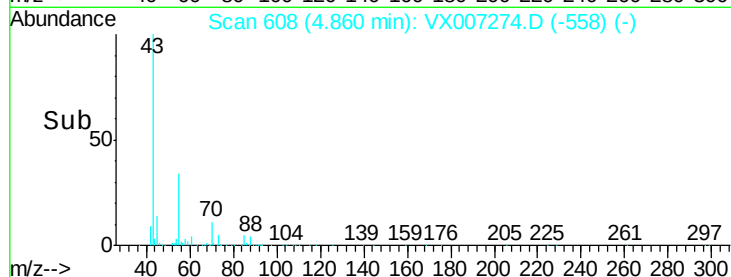
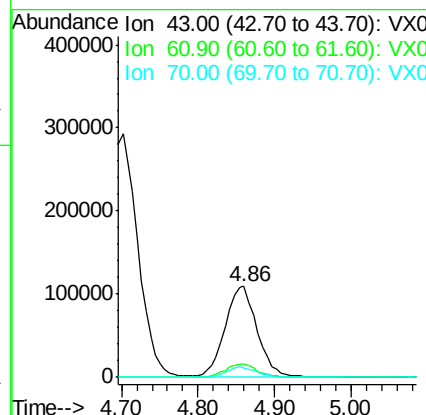
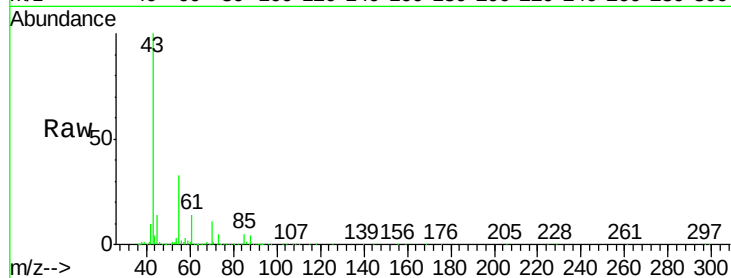
#37
Ethyl Acetate
Concen: 48.916 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.9	17.9
70	10.6	9.7	14.5

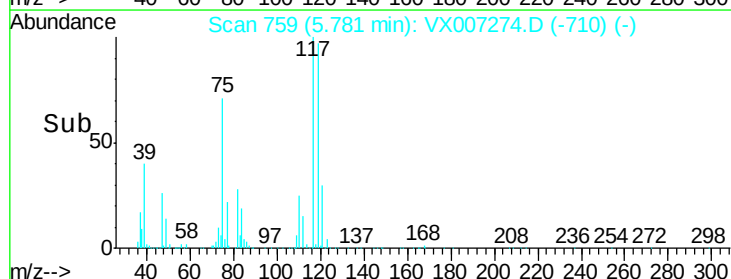
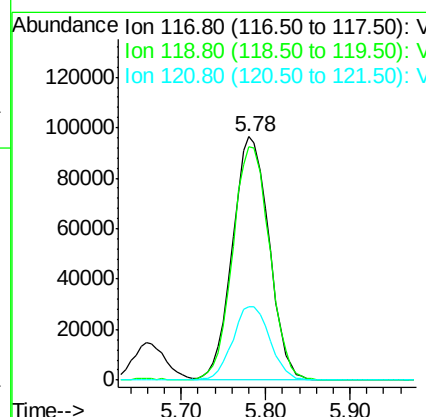
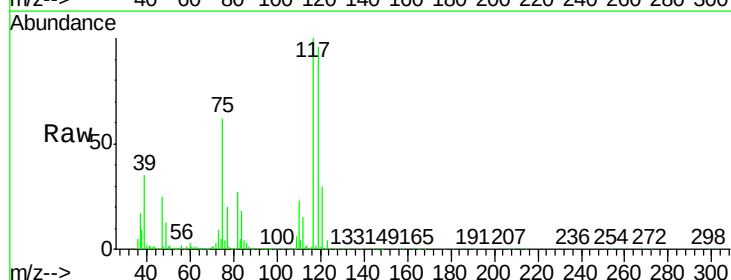
Manual Integrations
APPROVED

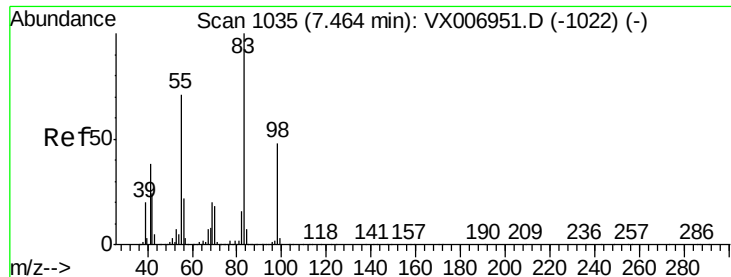
MMDadoda
1/29/2019 9:51:34 AM



#38
Carbon Tetrachloride
Concen: 46.776 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	79.4	119.2
121	30.1	24.0	36.0





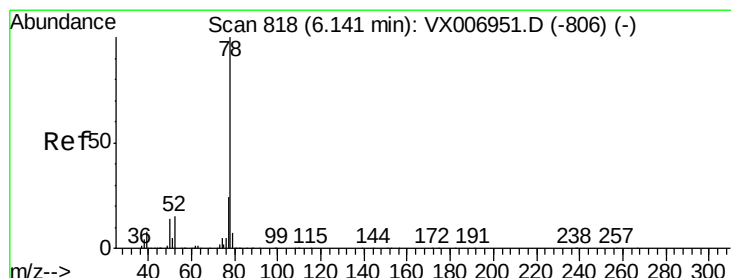
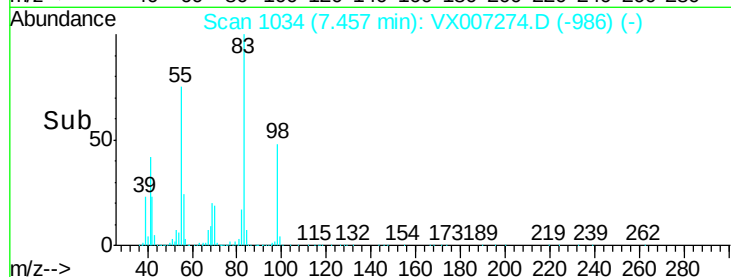
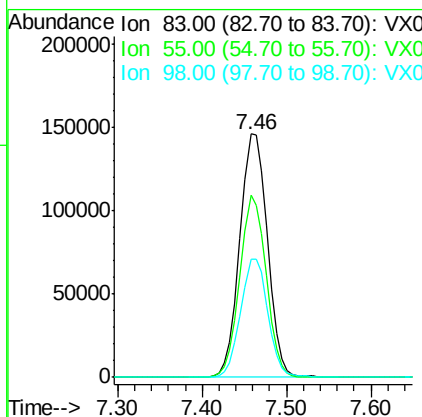
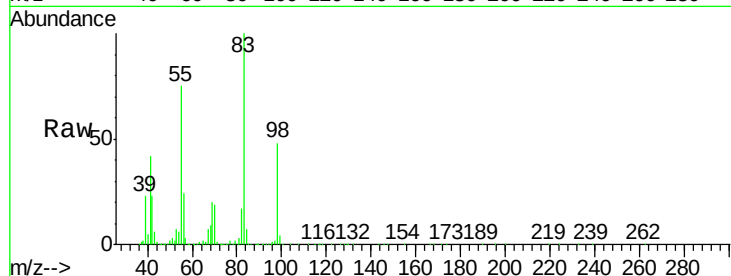
#39
Methylvlcyclohexane
Concen: 42.292 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	54.9	82.3
98	48.4	37.9	56.9

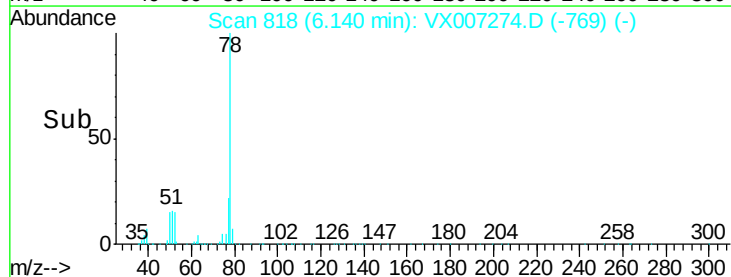
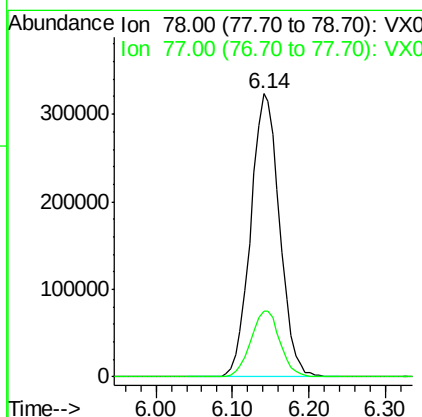
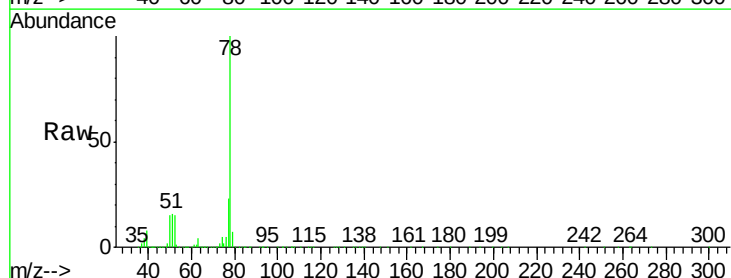
Manual Integrations
APPROVED

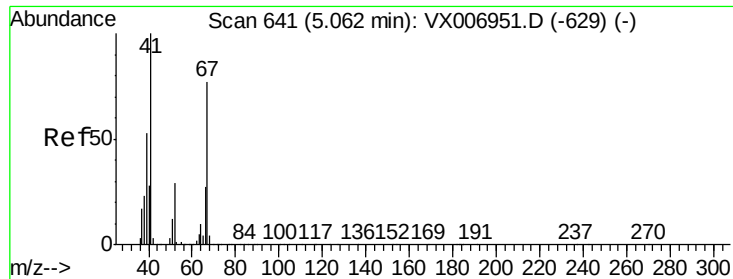
MMDadoda
1/29/2019 9:51:34 AM



#40
Benzene
Concen: 46.344 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8





#41

Methacrylonitrile

Concen: 46.984 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 174419

Ion Ratio Lower Upper

41 100

39 55.0 42.8 64.2

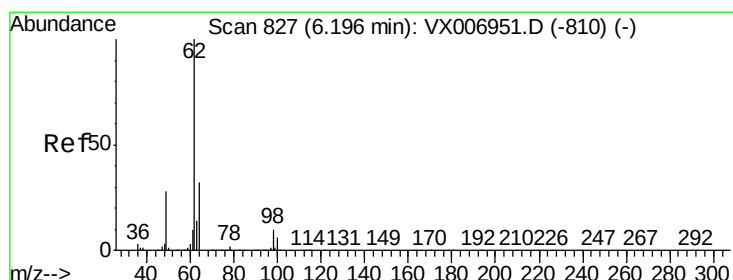
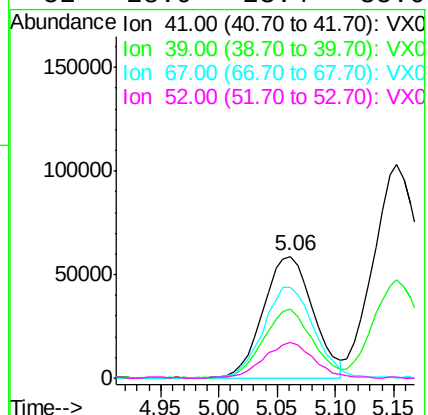
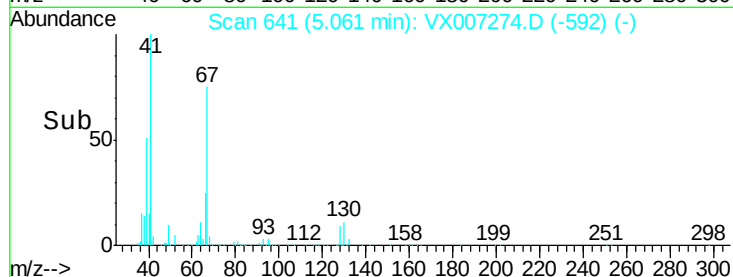
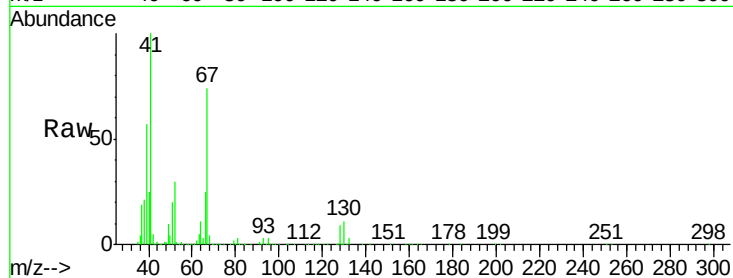
67 75.4 62.1 93.1

52 28.9 23.4 35.0

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:34 AM



#42

1,2-Dichloroethane

Concen: 47.070 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007274.D

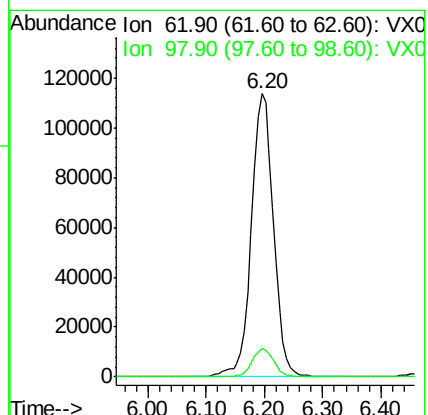
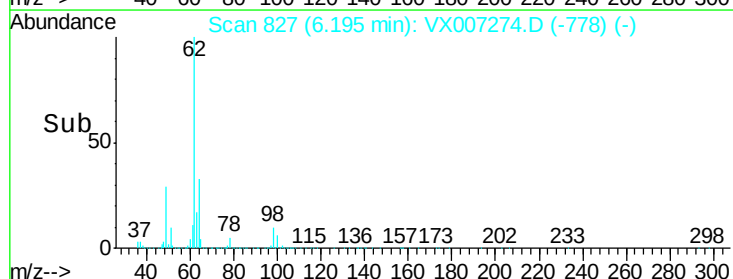
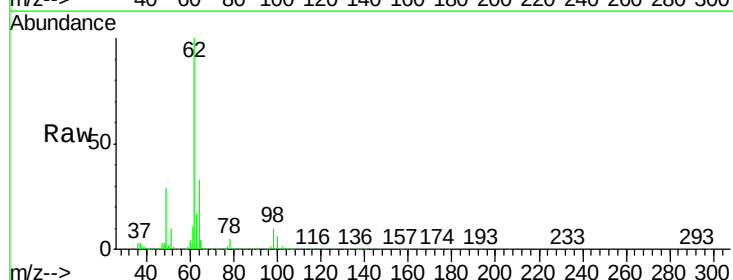
Acq: 28 Jan 2019 21:12

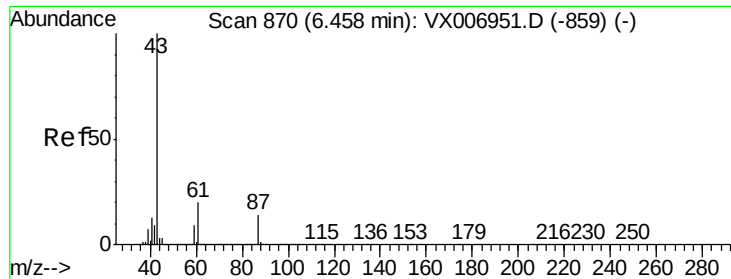
Tgt Ion: 62 Resp: 298324

Ion Ratio Lower Upper

62 100

98 9.8 0.0 20.2





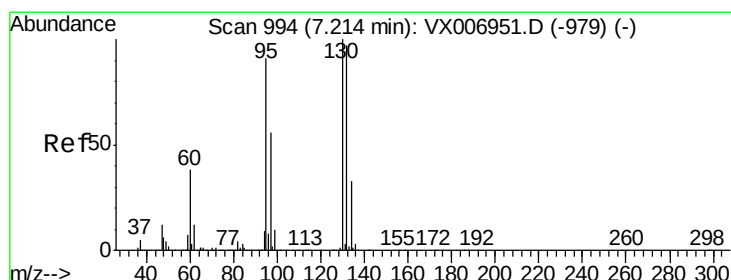
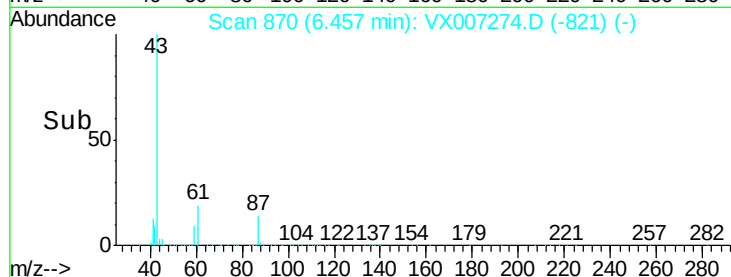
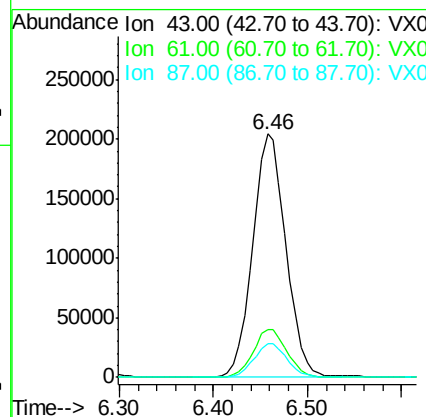
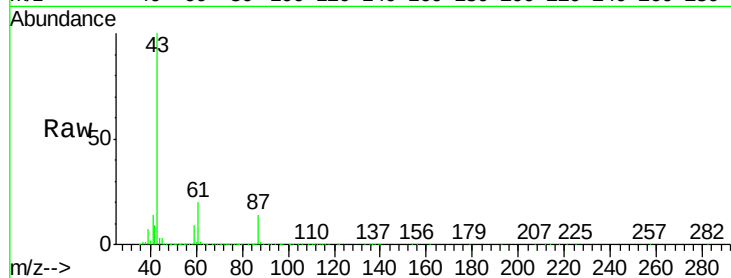
#43
Isopropyl Acetate
Concen: 49.640 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.8	25.2
87	14.0	12.4	18.6

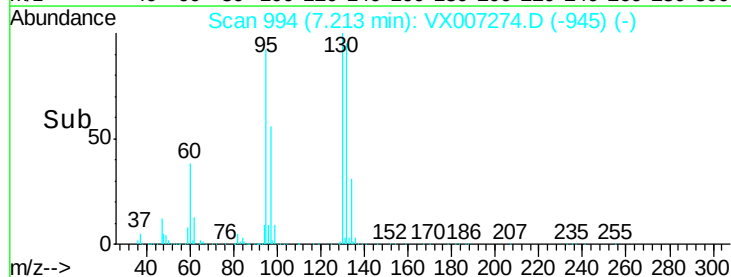
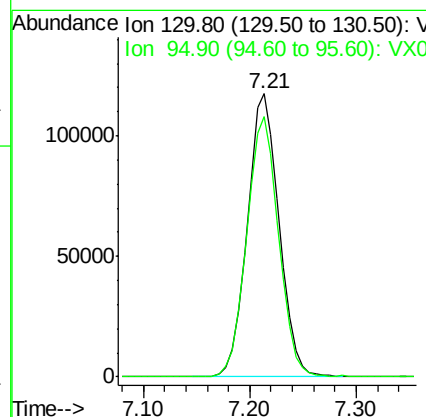
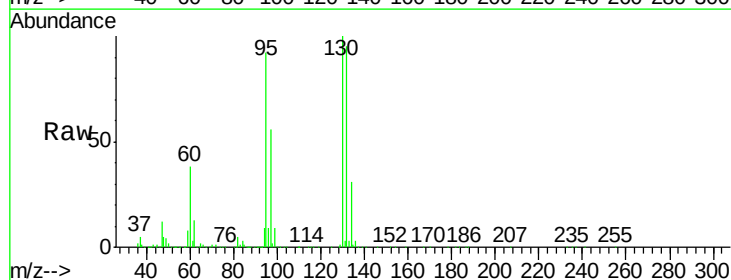
Manual Integrations
APPROVED

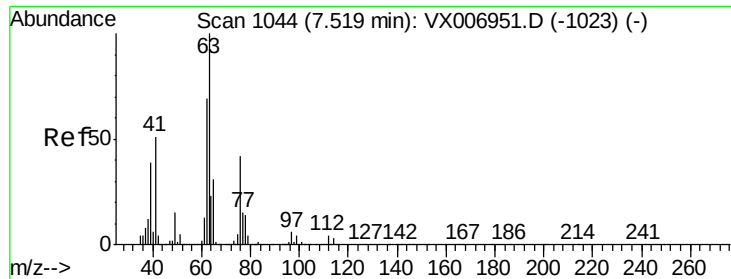
MMDadoda
1/29/2019 9:51:34 AM



#44
Trichloroethene
Concen: 44.670 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	187.0





#45

1,2-Dichloropropane

Concen: 48.295 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tot Ion: 63 Resp: 222685

Ion Ratio Lower Upper

63 100

65 30.7 25.4 38.0

Instrument :

MSVOA_X

ClientSampleId :

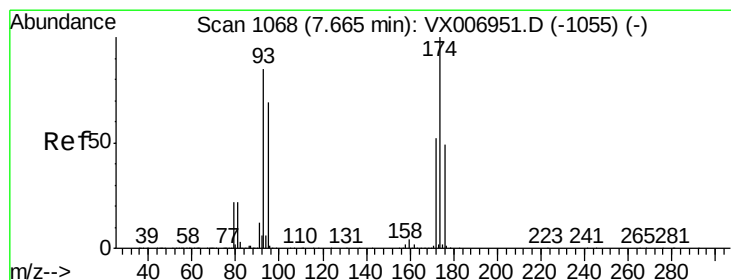
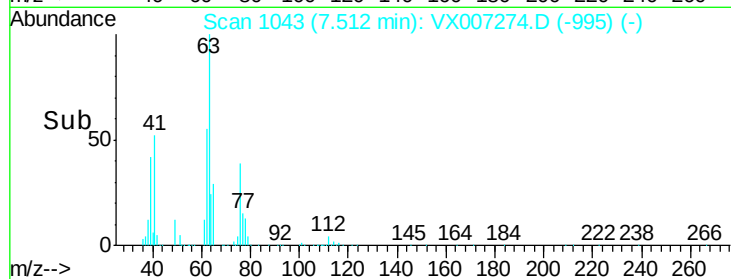
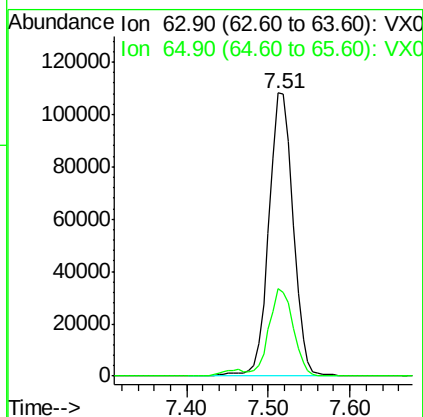
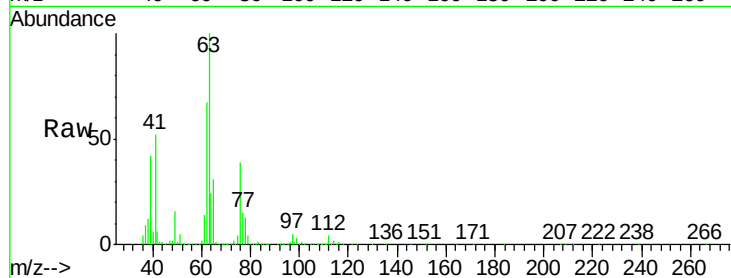
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

1/29/2019 9:51:34 AM



#46

Dibromomethane

Concen: 48.628 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

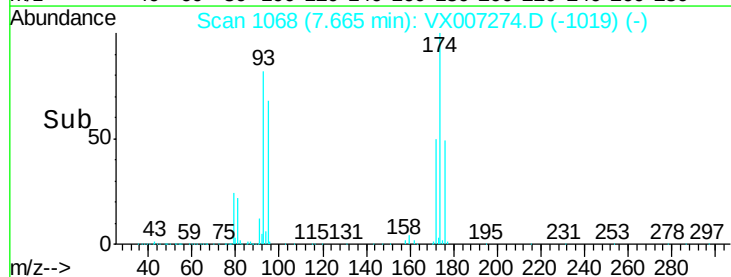
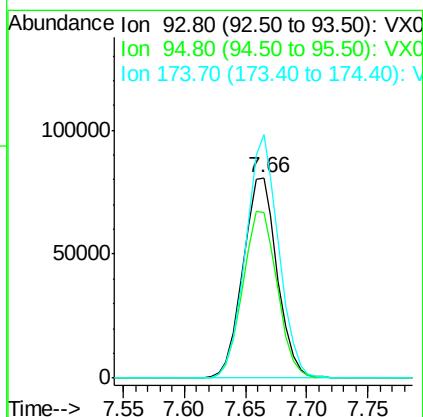
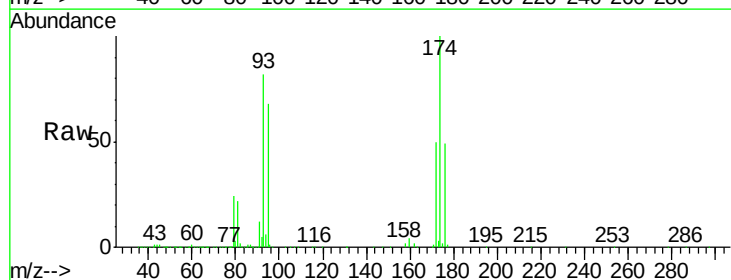
Tgt Ion: 93 Resp: 157581

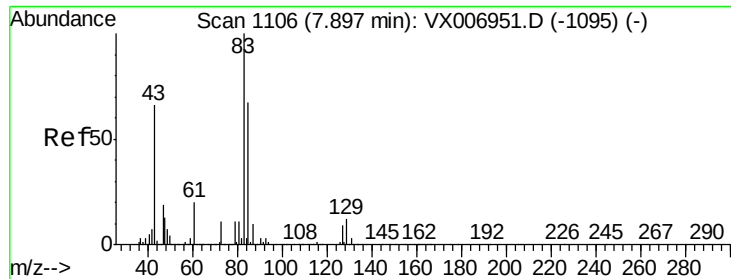
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.4

174 116.2 91.0 136.4





#47

Bromodichloromethane

Concen: 51.608 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

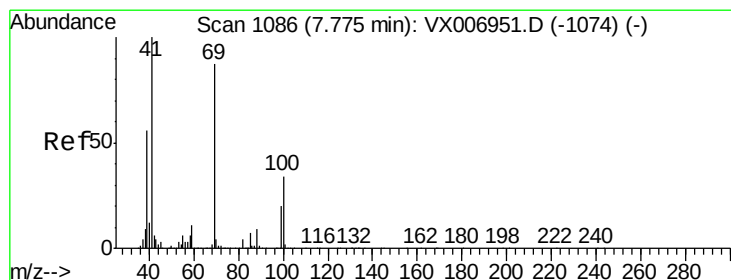
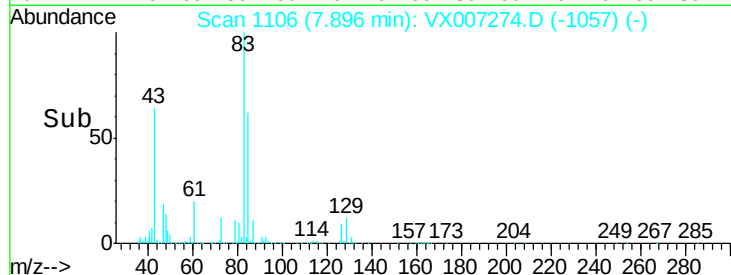
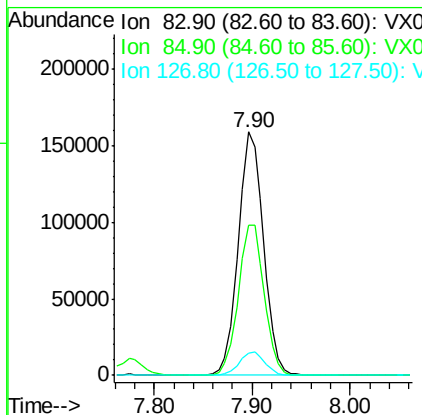
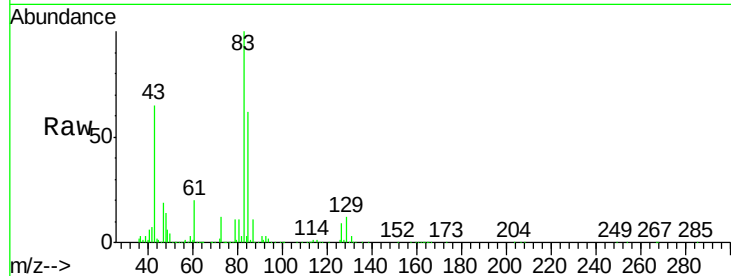
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	284668
Ion	Ratio	Lower	Upper
83	100		
85	61.8	53.2	79.8
127	9.2	7.8	11.6

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:34 AM



#48

Methyl methacrylate

Concen: 49.888 ug/l

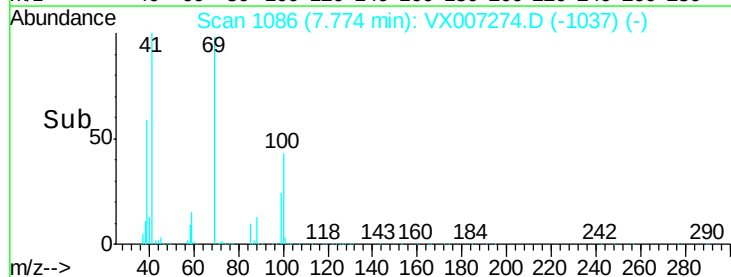
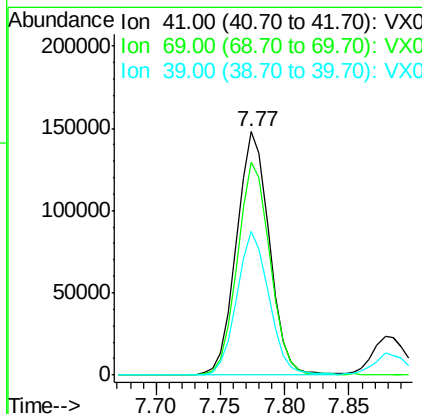
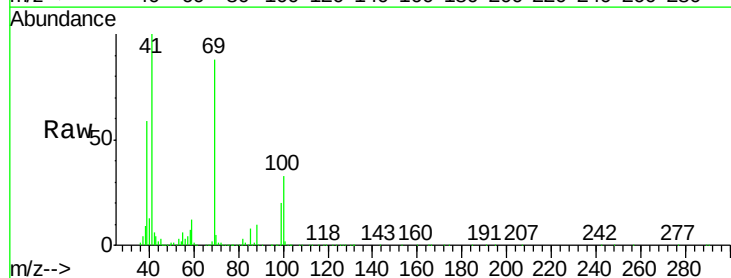
RT: 7.77 min Scan# 1086

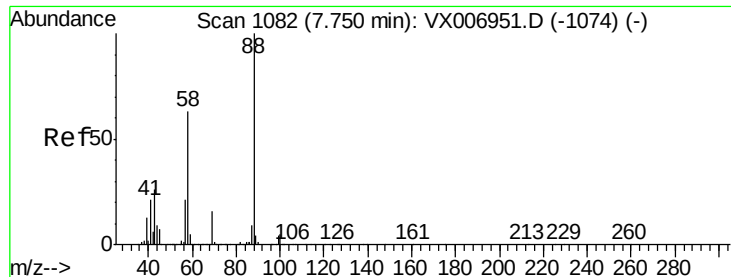
Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion:	41	Resp:	260413
Ion	Ratio	Lower	Upper
41	100		
69	87.5	72.4	108.6
39	58.0	45.8	68.8





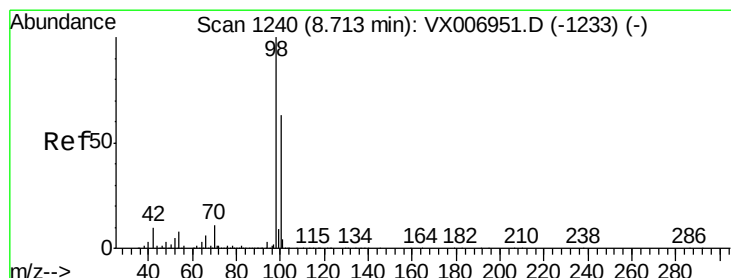
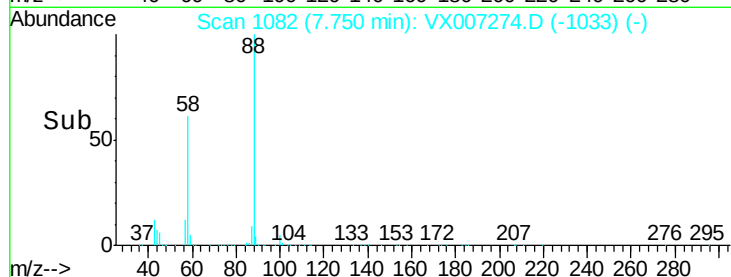
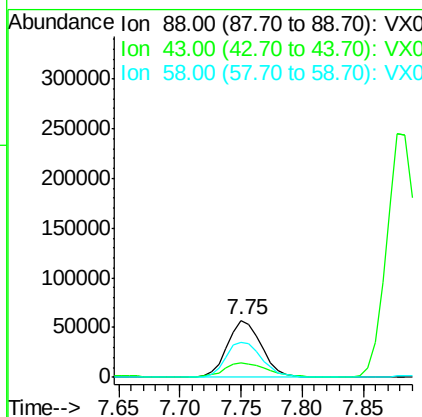
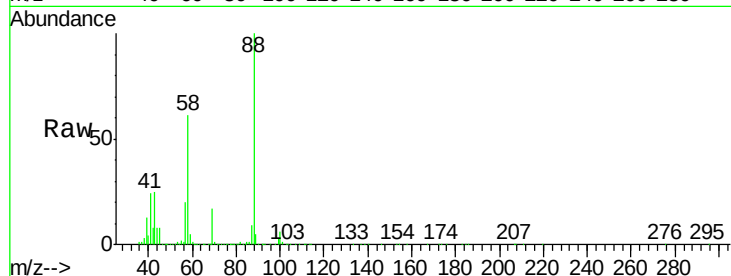
#49
1,4-Dioxane
Concen: 919.552 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	22.2	33.4
58	66.0	51.0	76.4

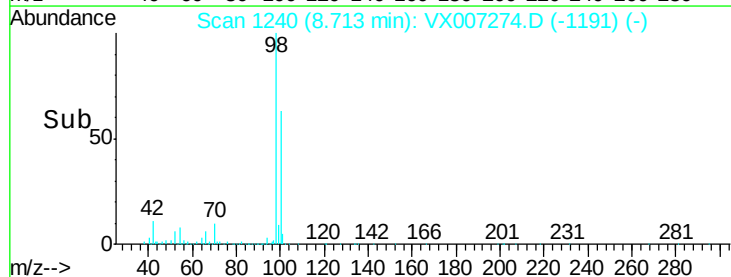
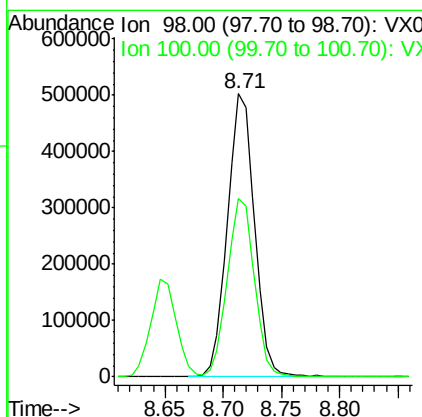
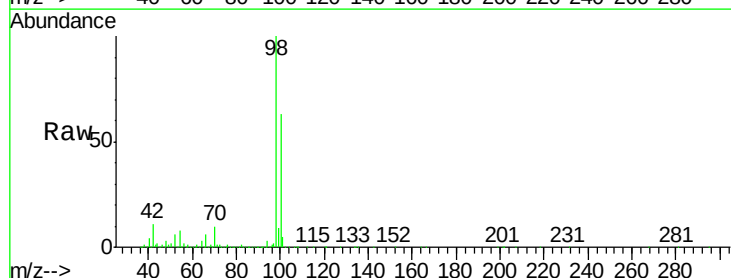
Manual Integrations
APPROVED

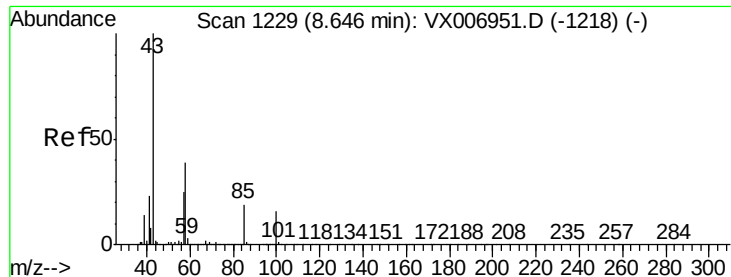
MMDadoda
1/29/2019 9:51:34 AM



#50
Toluene-d8
Concen: 50.197 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	52.0	78.0





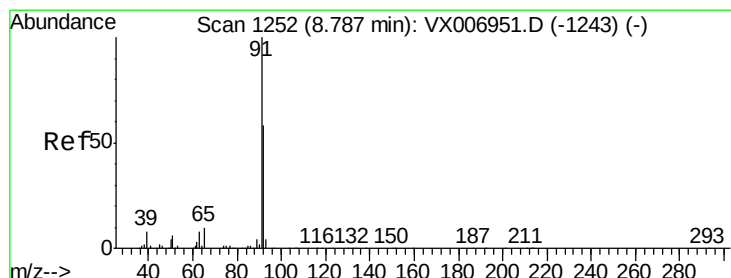
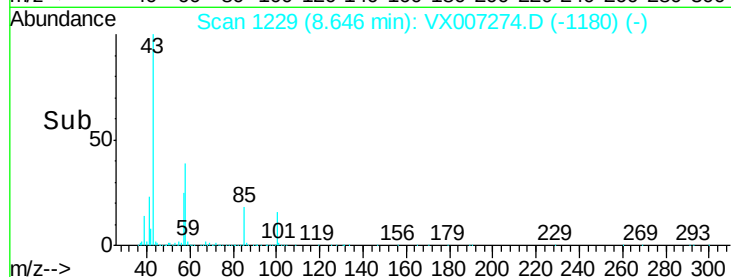
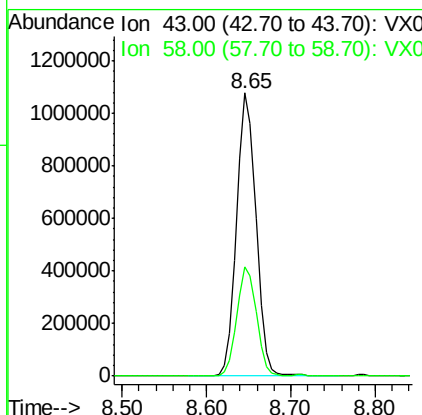
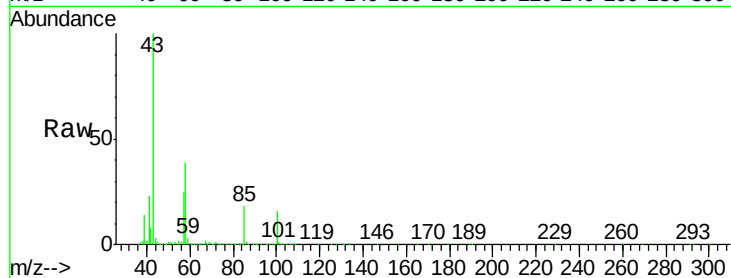
#51
4-Methyl-2-Pentanone
Concen: 254.953 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1665464
Ion Ratio Lower Upper
43 100
58 38.7 31.8 47.6

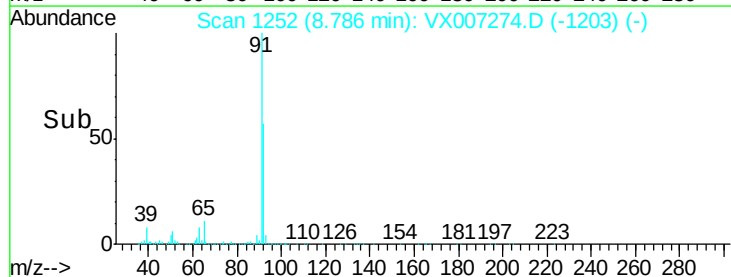
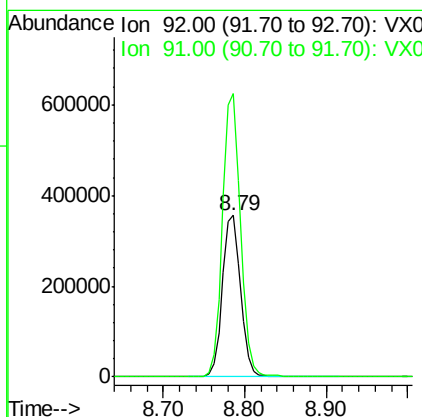
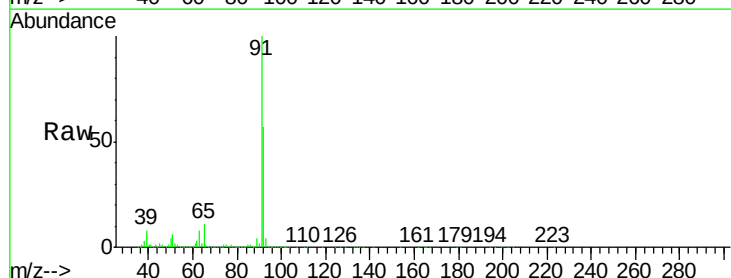
Manual Integrations
APPROVED

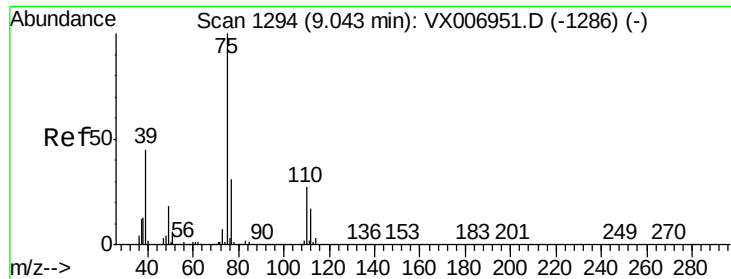
MMDadoda
1/29/2019 9:51:34 AM



#52
Toluene
Concen: 46.807 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion: 92 Resp: 551765
Ion Ratio Lower Upper
92 100
91 174.2 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 50.495 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 308846

Ion Ratio Lower Upper

75 100

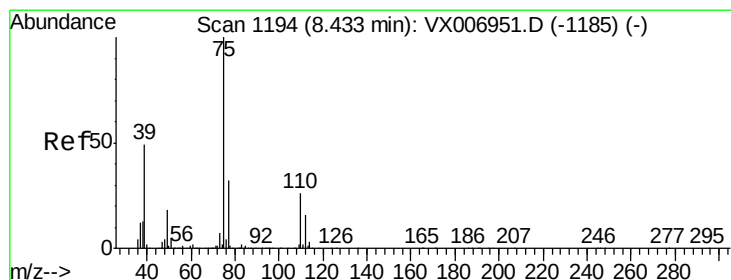
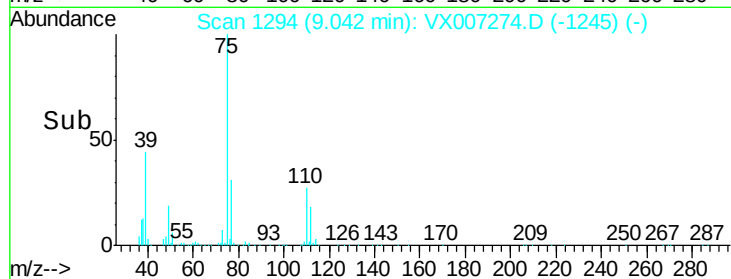
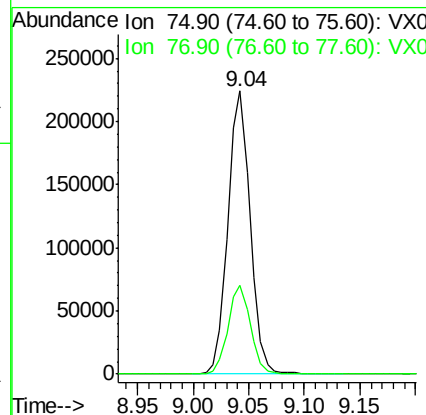
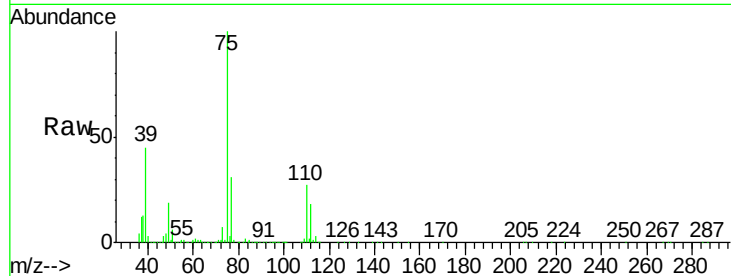
77 31.2 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

1/29/2019 9:51:34 AM



#54

cis-1,3-Dichloropropene

Concen: 50.066 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

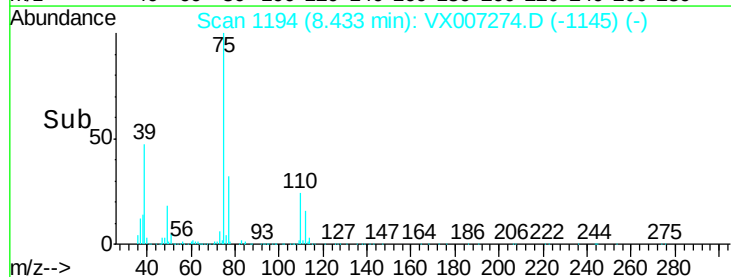
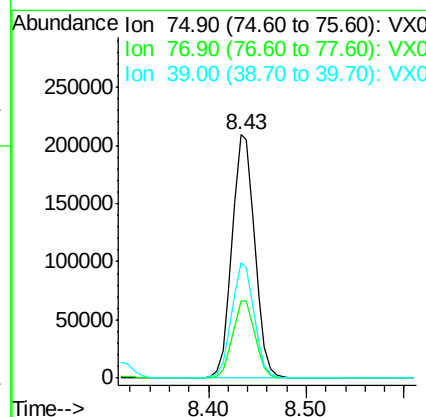
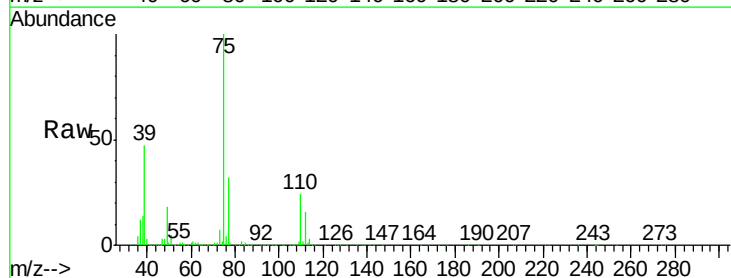
Tgt Ion: 75 Resp: 338174

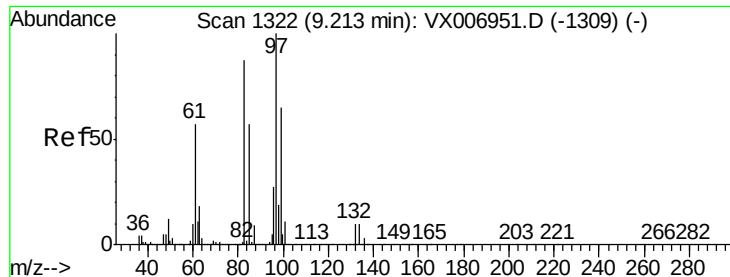
Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

39 47.3 36.7 55.1





#55

1,1,2-Trichloroethane

Concen: 52.568 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

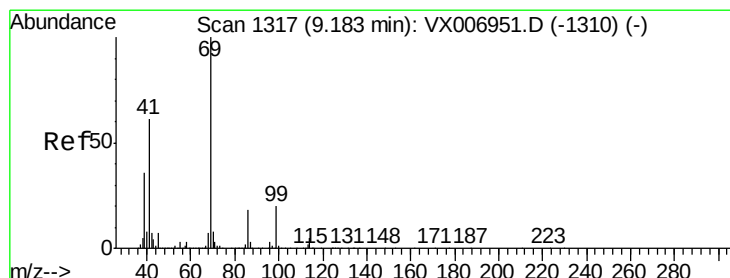
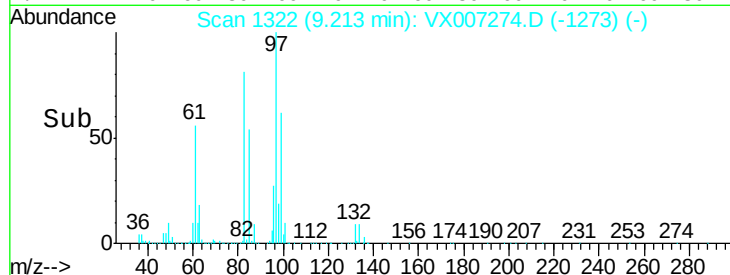
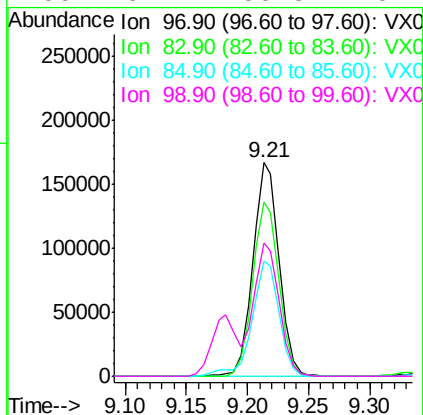
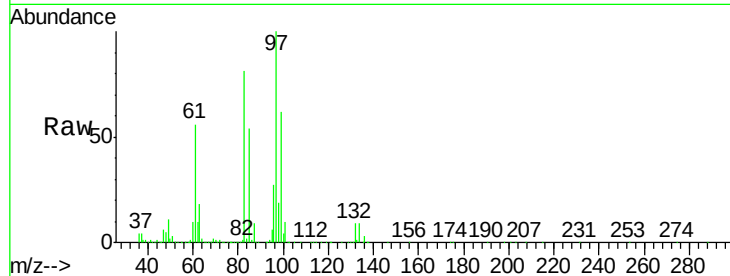
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		248035		
83	81.3	66.6	99.8		
85	53.9	42.7	64.1		
99	62.2	50.8	76.2		

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:34 AM



#56

Ethyl methacrylate

Concen: 50.997 ug/l

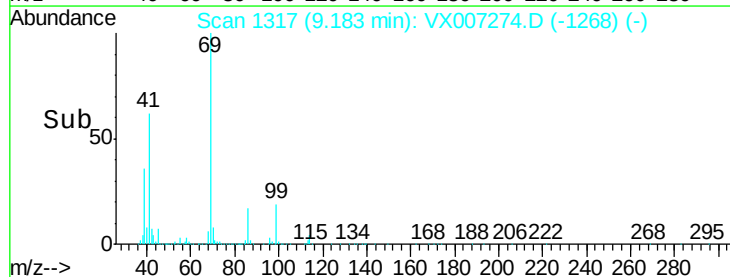
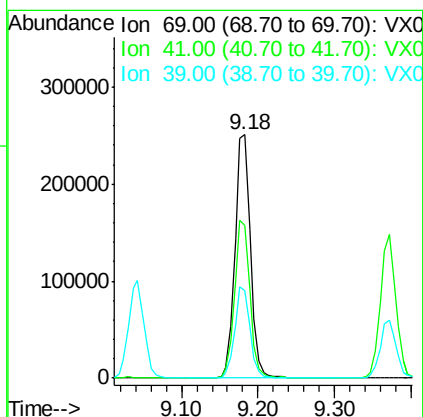
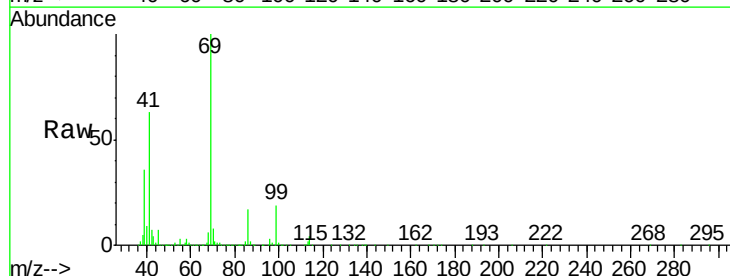
RT: 9.18 min Scan# 1317

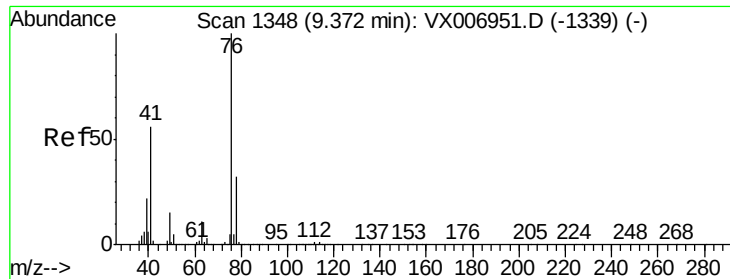
Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		351279		
41	63.9	48.7	73.1		
39	36.7	27.0	40.6		





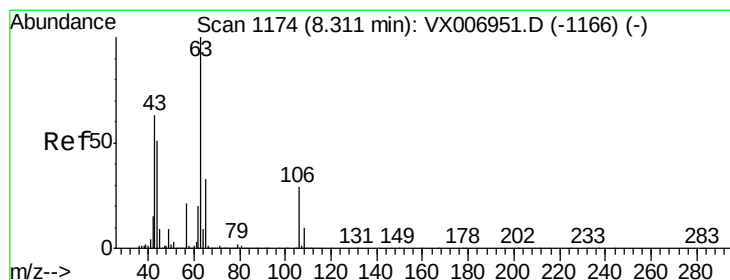
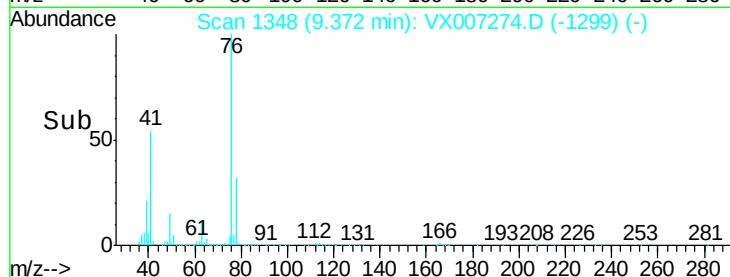
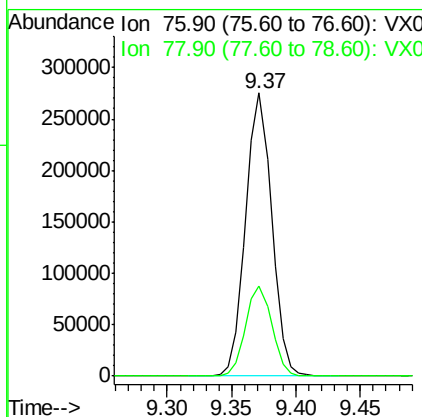
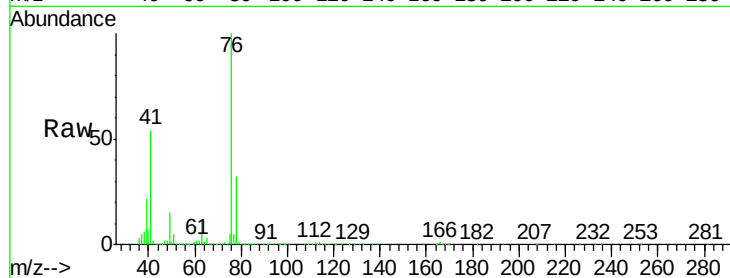
#57
 1,3-Dichloropropane
 Concen: 49.756 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007274.D
 Acq: 28 Jan 2019 21:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

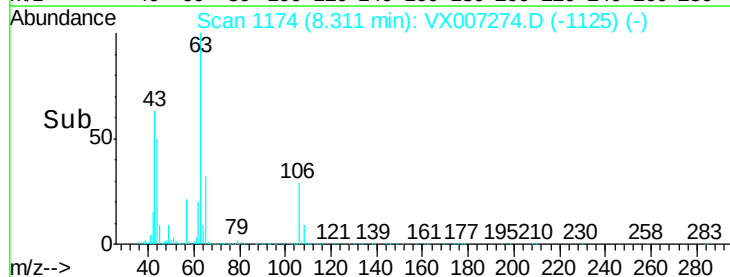
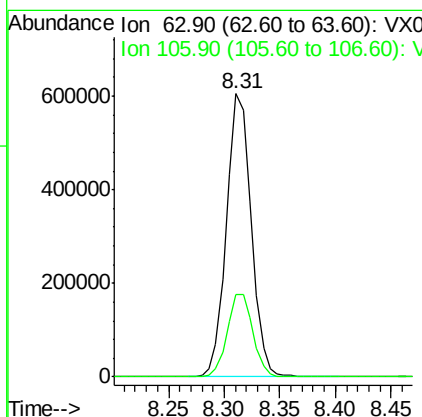
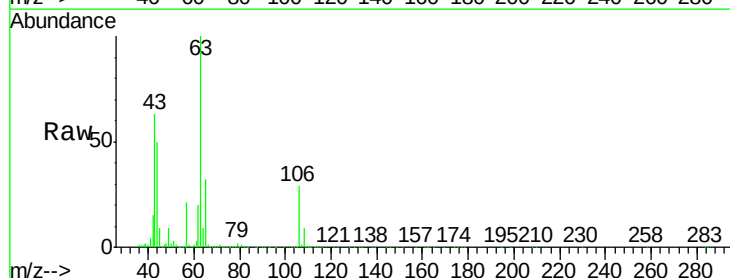
Manual Integrations
 APPROVED

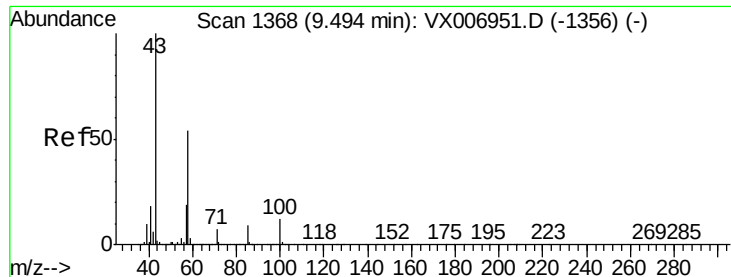
MMDadoda
 1/29/2019 9:51:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.723 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX007274.D
 Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	24.6	36.8





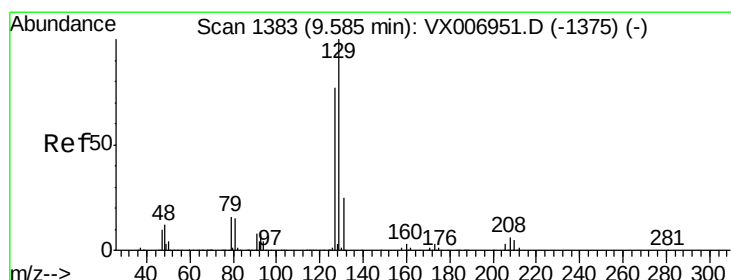
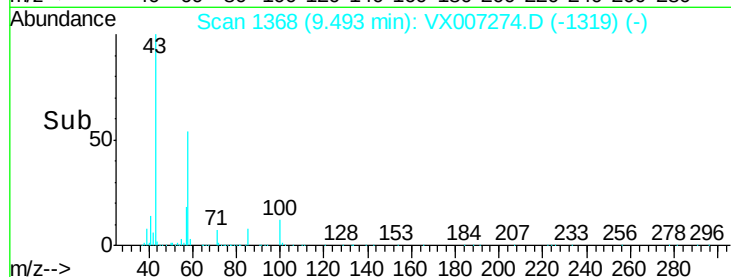
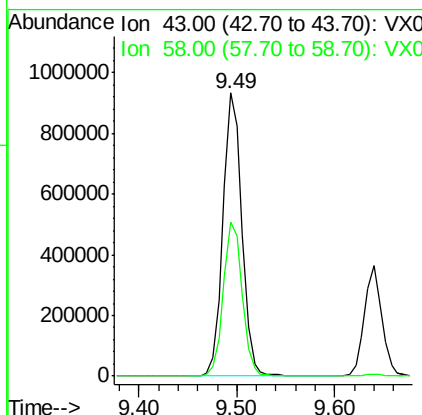
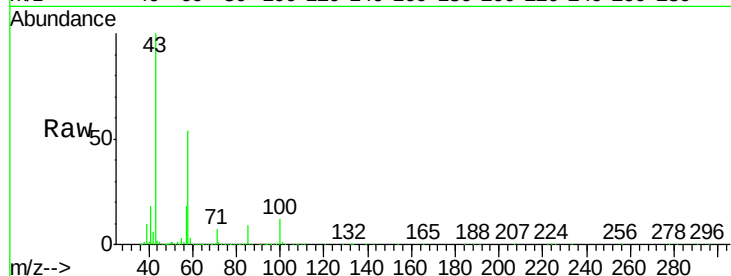
#59
2-Hexanone
Concen: 251.515 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1252063
Ion Ratio Lower Upper
43 100
58 54.6 27.7 83.1

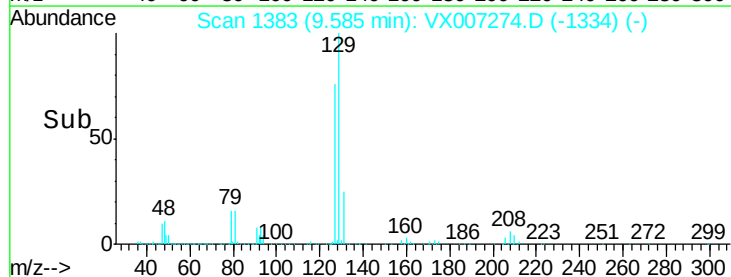
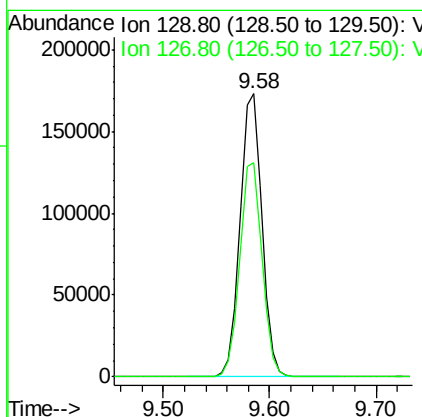
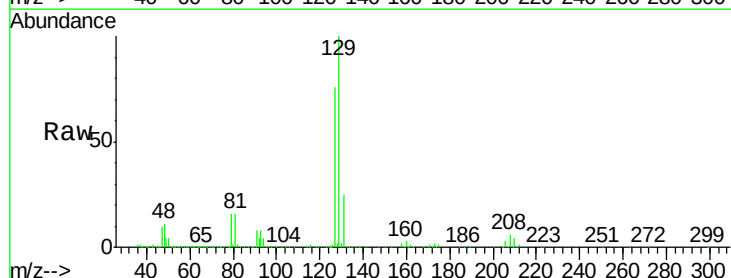
Manual Integrations
APPROVED

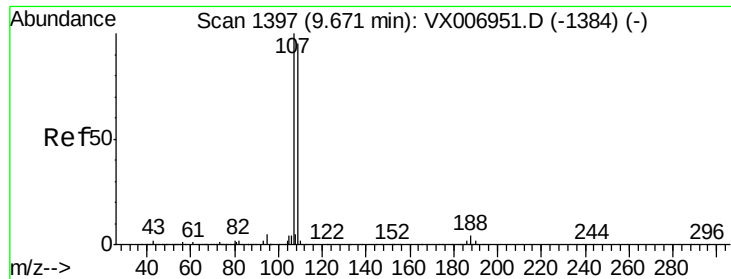
MMDadoda
1/29/2019 9:51:34 AM



#60
Dibromochloromethane
Concen: 54.738 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion: 129 Resp: 250792
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.8





#61

1,2-Dibromoethane

Concen: 49.589 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 257587

Ion Ratio Lower Upper

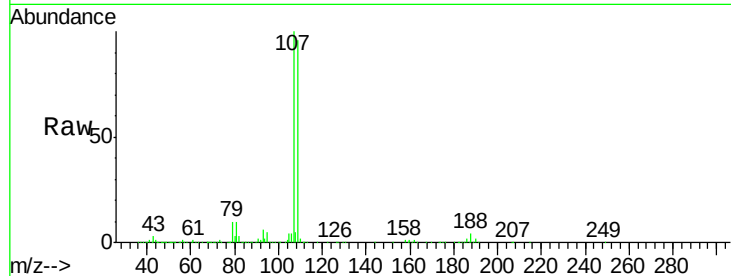
107 100

109 95.1 75.8 113.6

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:34 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

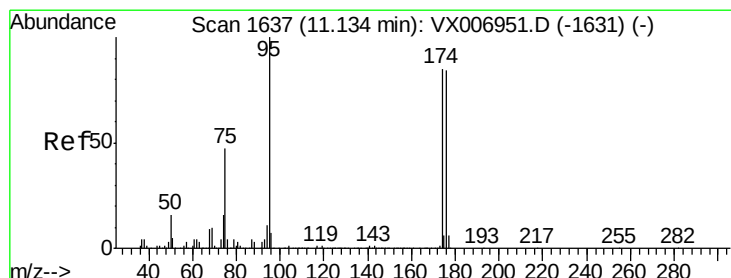
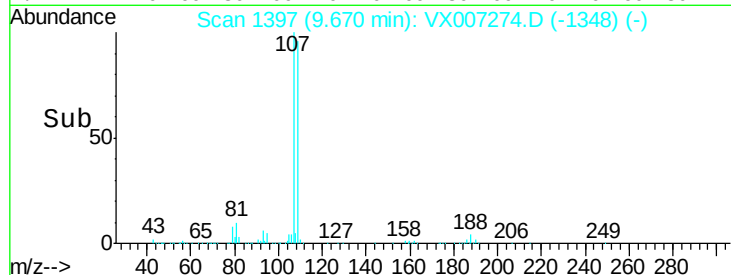
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.464 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

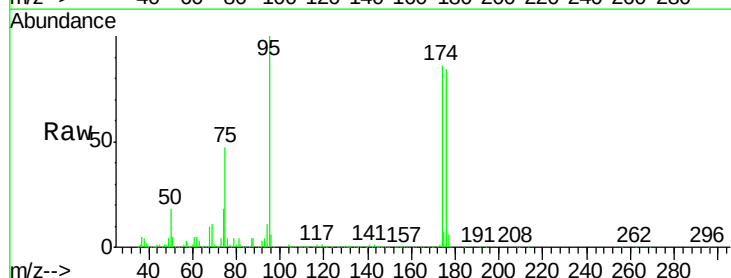
Tgt Ion: 95 Resp: 290757

Ion Ratio Lower Upper

95 100

174 94.2 0.0 182.2

176 91.6 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

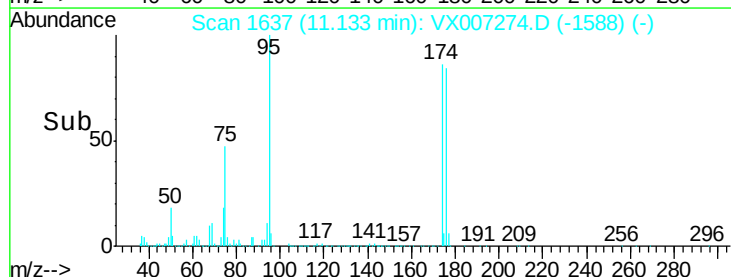
150000

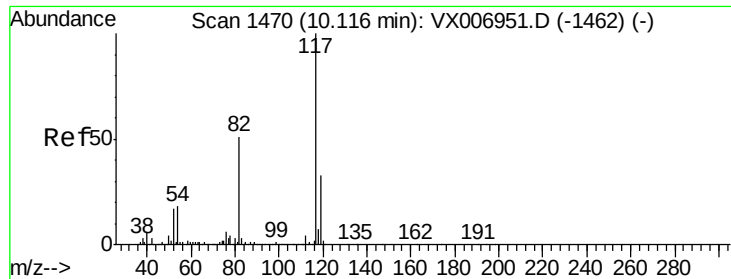
100000

50000

0

Time-->





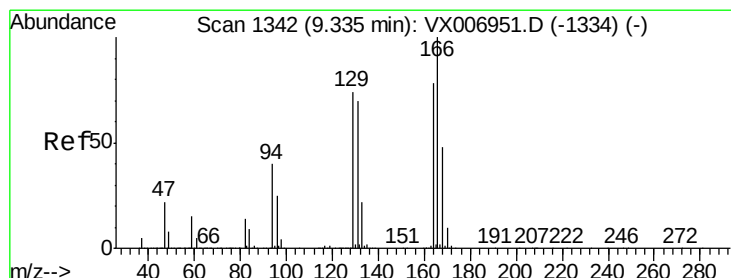
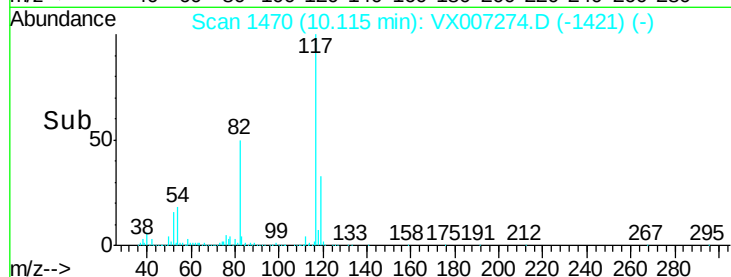
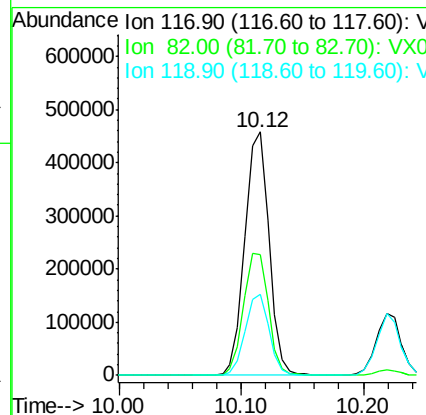
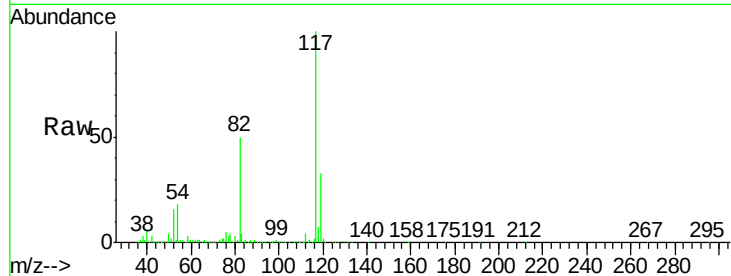
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	629168		
82	49.5		41.0	61.6
119	33.0		25.4	38.0

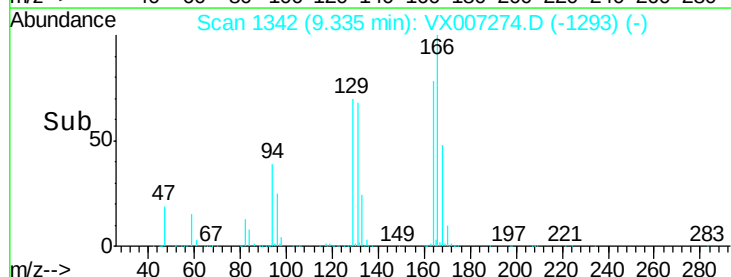
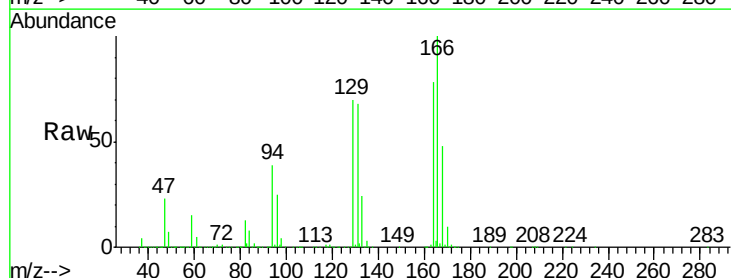
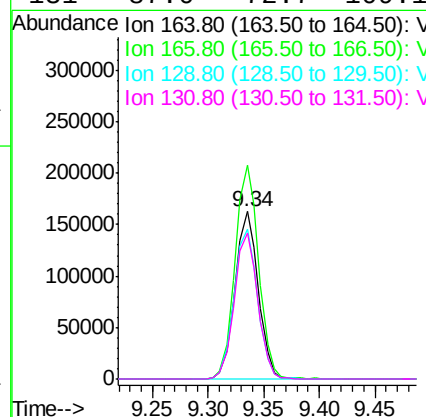
Manual Integrations
APPROVED

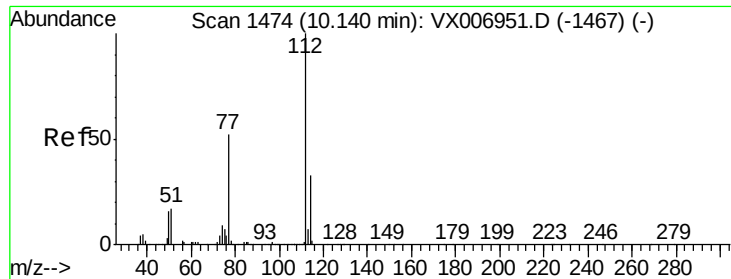
MMDadoda
1/29/2019 9:51:34 AM



#64
Tetrachloroethene
Concen: 43.106 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	234804		
166	127.7		102.5	153.7
129	89.8		75.1	112.7
131	87.0		72.7	109.1





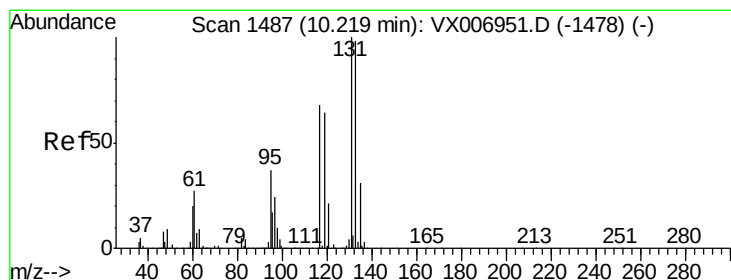
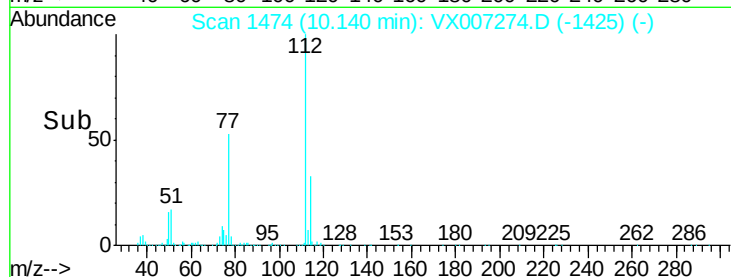
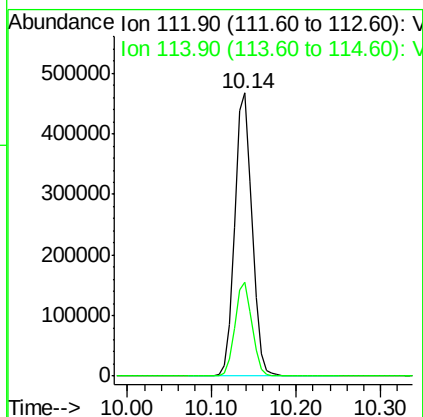
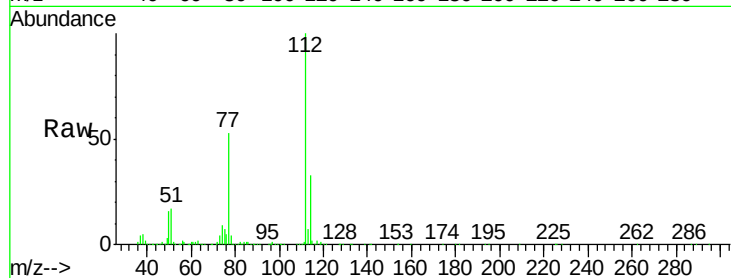
#65
Chlorobenzene
Concen: 47.144 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.7	38.5

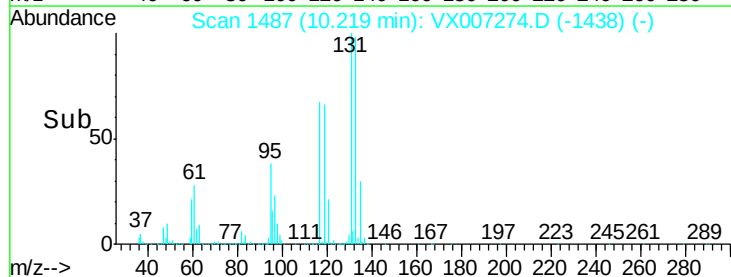
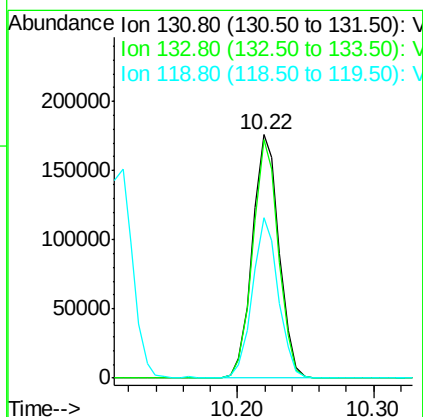
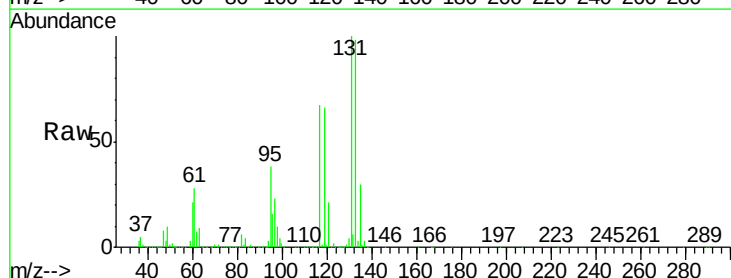
Manual Integrations
APPROVED

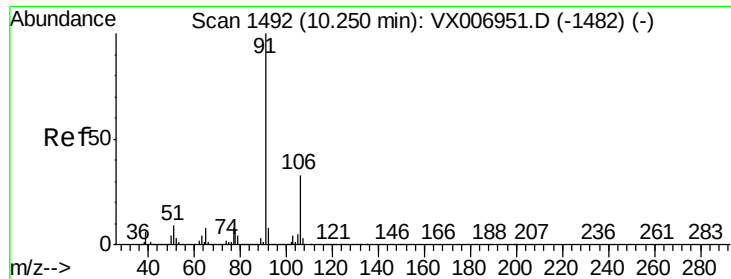
MMDadoda
1/29/2019 9:51:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.442 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.0	144.2
119	64.0	32.6	97.8





#67

Ethyl Benzene

Concen: 46.567 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1054943

Ion Ratio Lower Upper

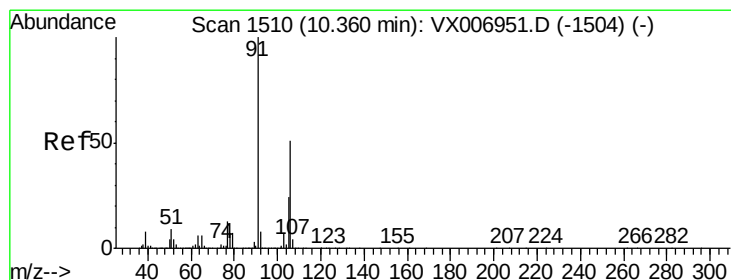
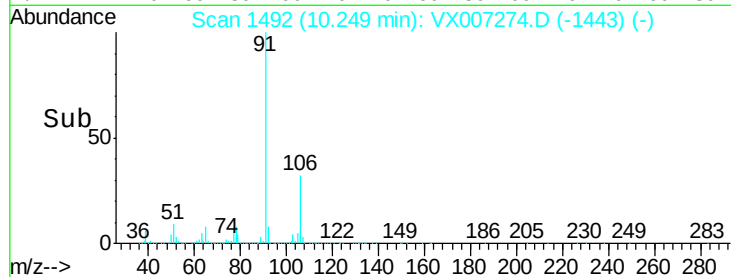
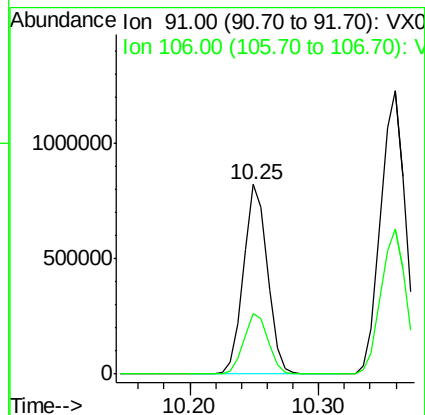
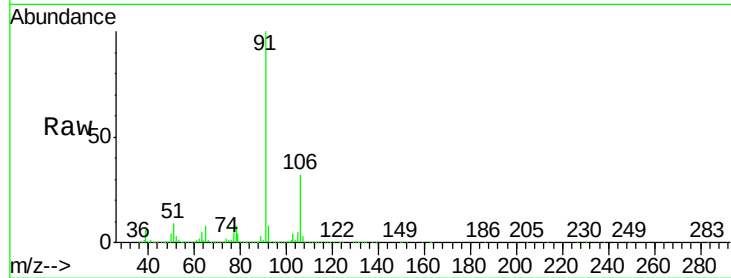
91 100

106 32.1 26.4 39.6

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:34 AM



#68

m/p-Xylenes

Concen: 93.661 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007274.D

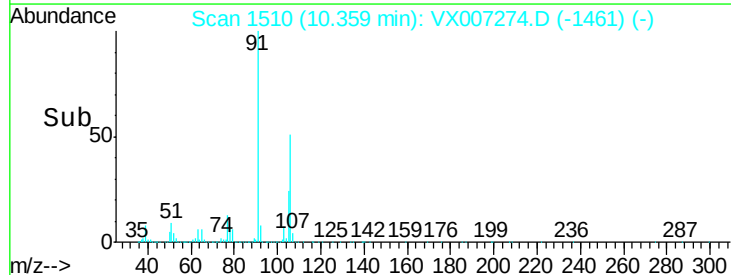
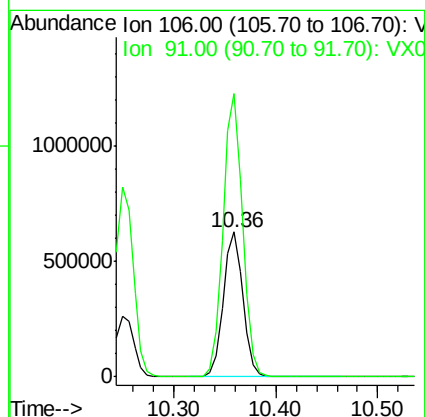
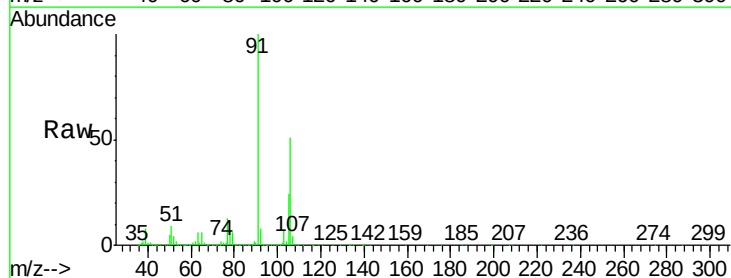
Acq: 28 Jan 2019 21:12

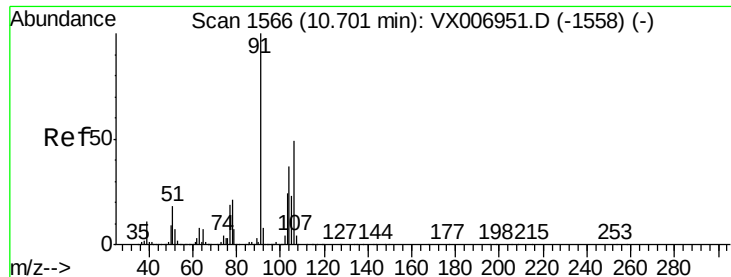
Tgt Ion: 106 Resp: 835961

Ion Ratio Lower Upper

106 100

91 195.7 155.8 233.6





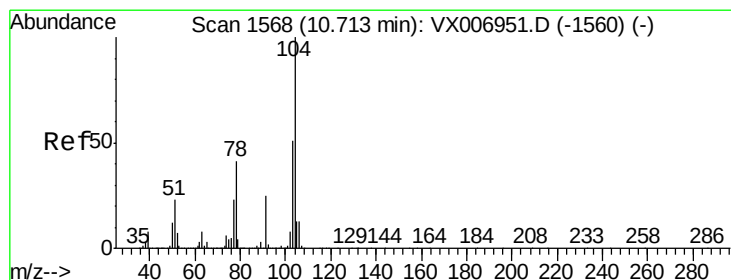
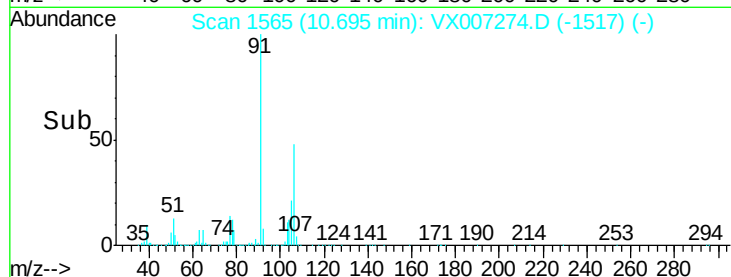
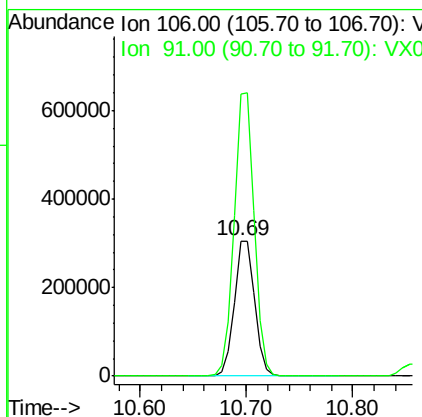
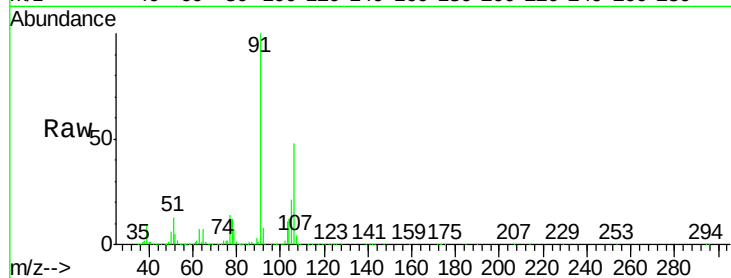
#69
o-Xylene
Concen: 47.087 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.2	101.3	303.7

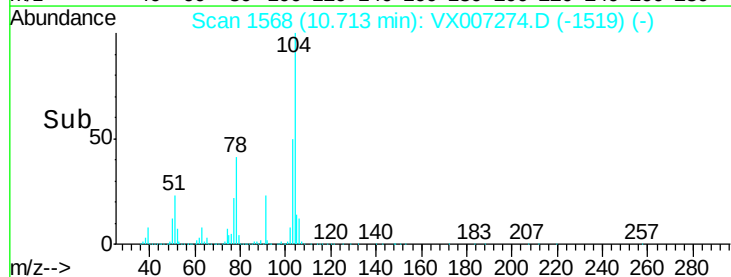
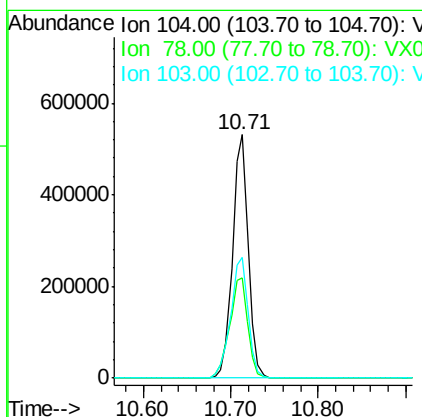
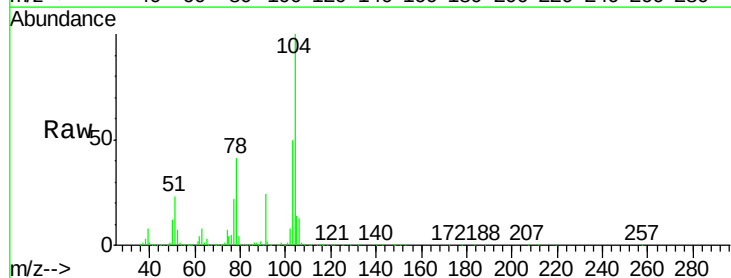
Manual Integrations
APPROVED

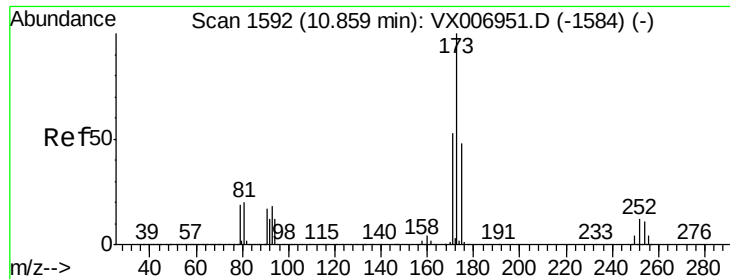
MMDadoda
1/29/2019 9:51:34 AM



#70
Styrene
Concen: 48.646 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	37.7	56.5
103	55.5	43.8	65.8





#71

Bromoform

Concen: 45.947 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

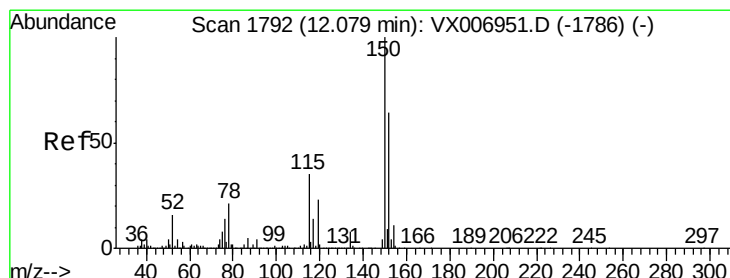
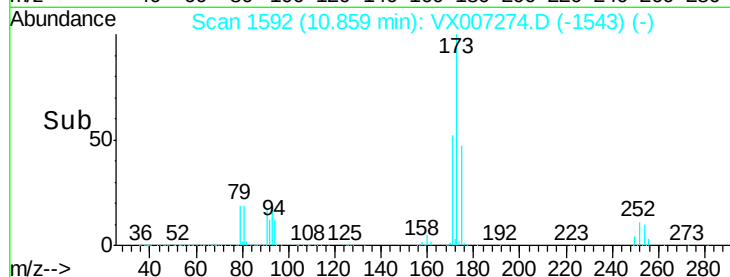
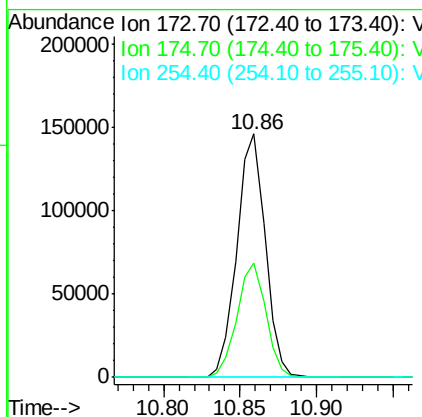
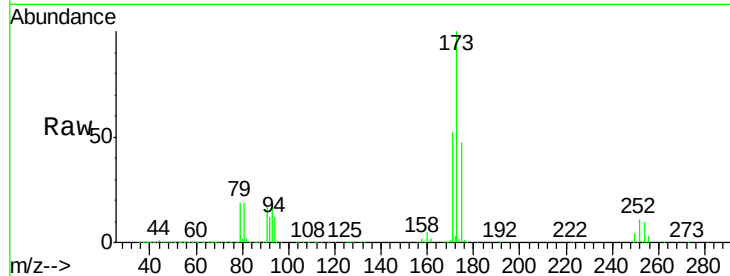
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	188012
Ion Ratio	Lower	Upper	
173	100		
175	47.8	24.7	74.1
254	0.1	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:34 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

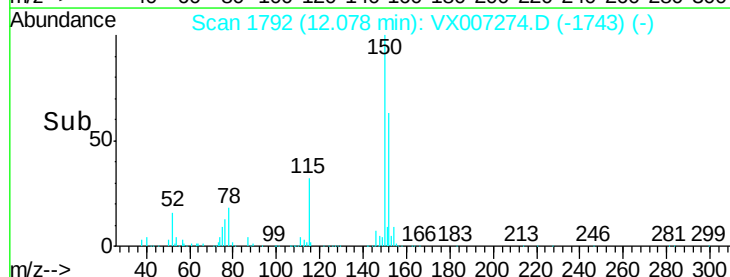
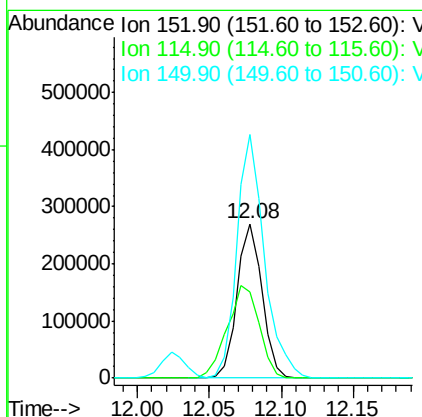
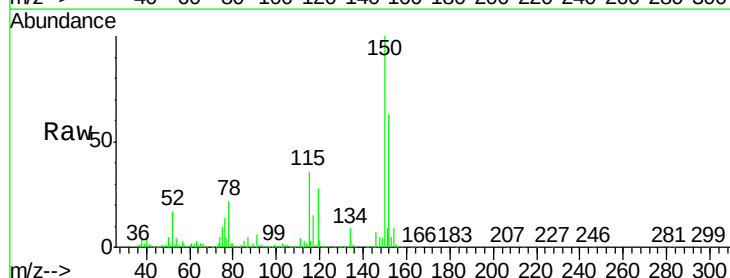
RT: 12.08 min Scan# 1792

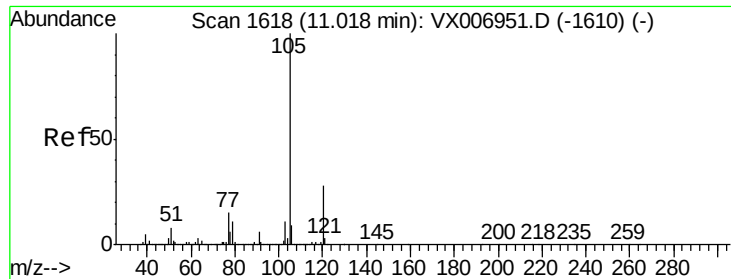
Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion:	152	Resp:	326193
Ion Ratio	Lower	Upper	
152	100		
115	77.1	39.1	117.2
150	173.1	0.0	344.8





#73

Isopropylbenzene

Concen: 47.661 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1096267

Ion Ratio Lower Upper

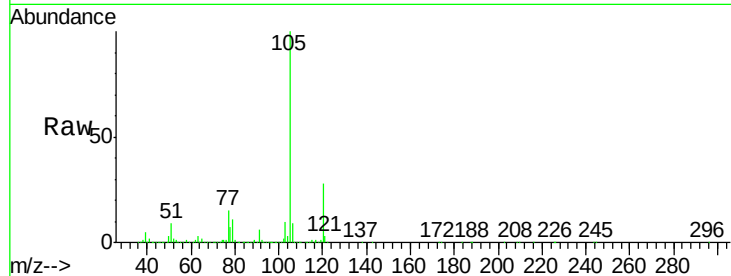
105 100

120 27.9 14.1 42.4

Manual Integrations
APPROVED

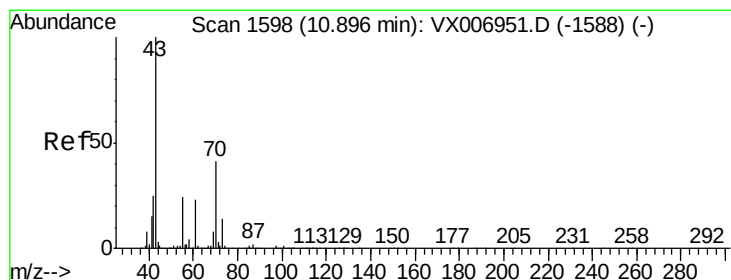
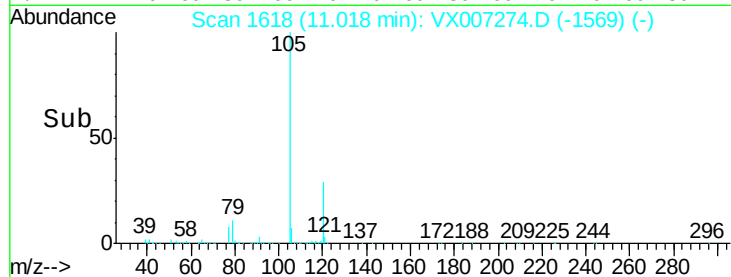
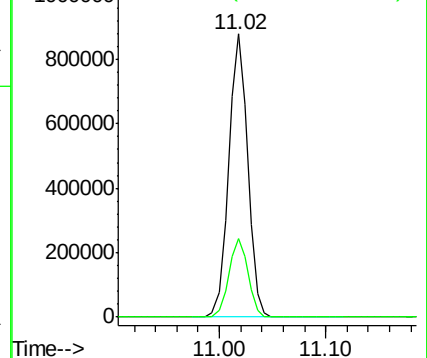
MMDadoda

1/29/2019 9:51:34 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.105 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion: 43 Resp: 454754

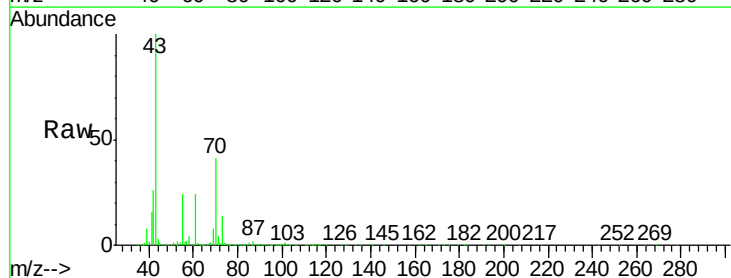
Ion Ratio Lower Upper

43 100

70 42.6 35.8 53.8

55 24.2 19.4 29.0

61 24.4 20.1 30.1

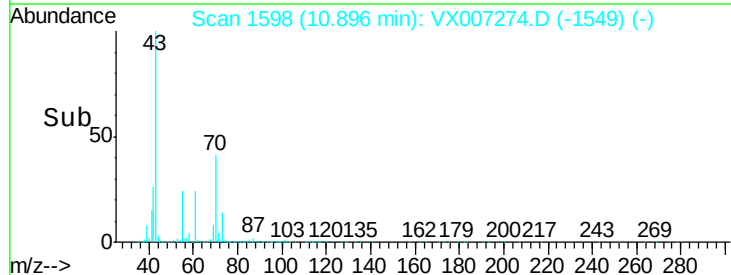
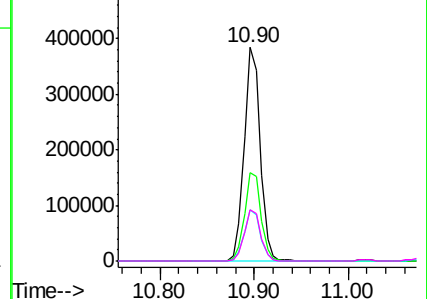


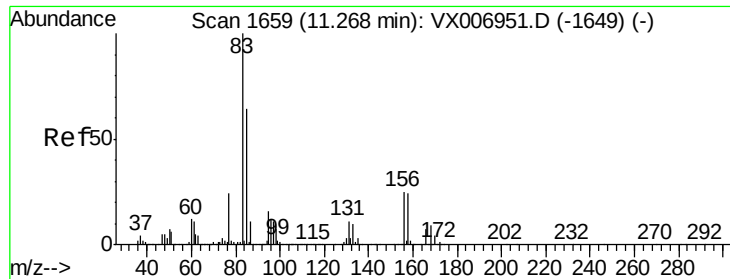
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.854 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

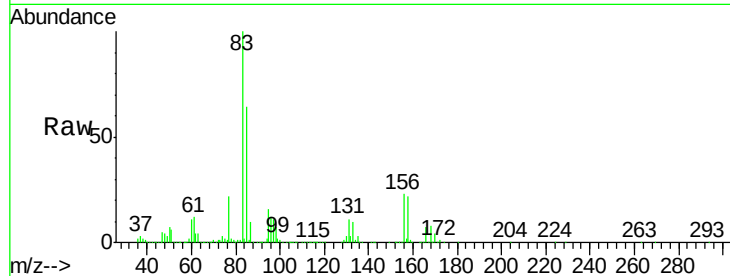
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	356734
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	64.5	32.2	96.6

Manual Integrations
APPROVED

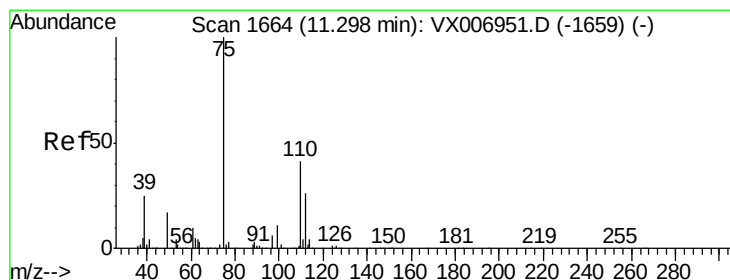
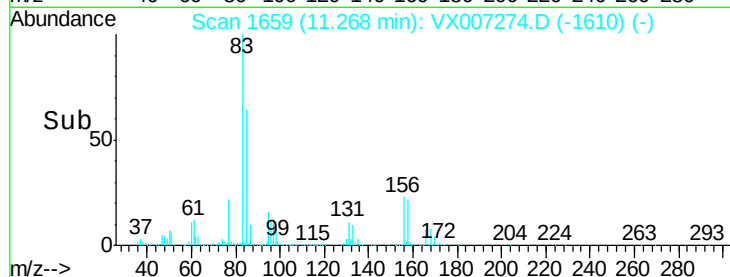
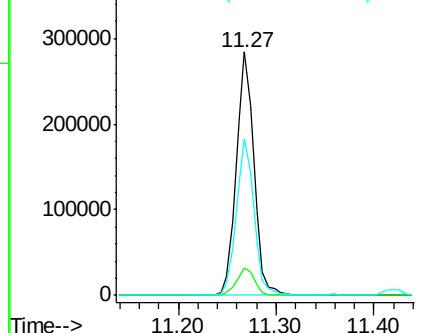
MMDadoda
1/29/2019 9:51:34 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.985 ug/l m

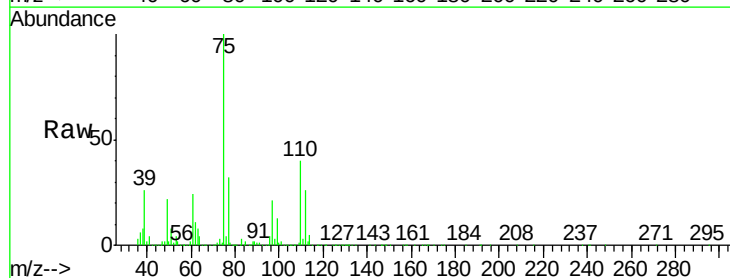
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007274.D

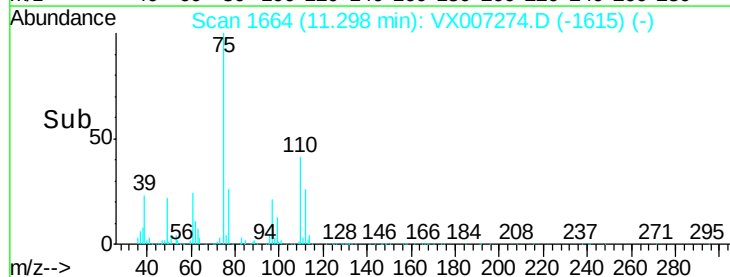
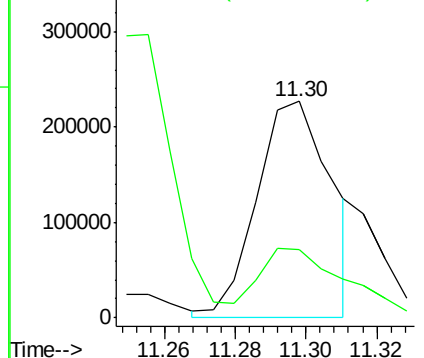
Acq: 28 Jan 2019 21:12

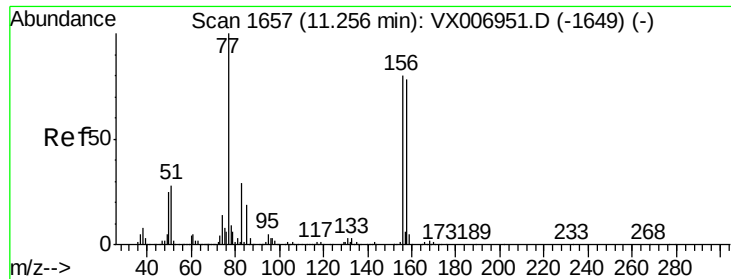
Tgt Ion:	75	Resp:	330408
Ion Ratio	Lower	Upper	
75	100		
77	37.6	18.5	55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





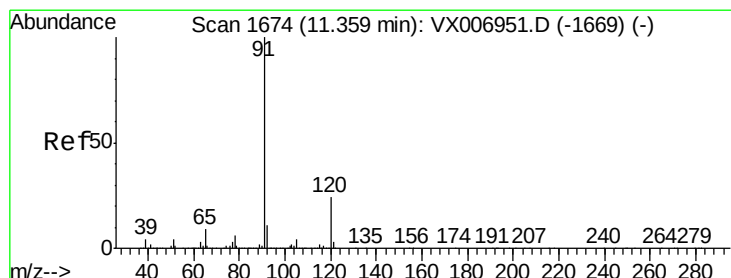
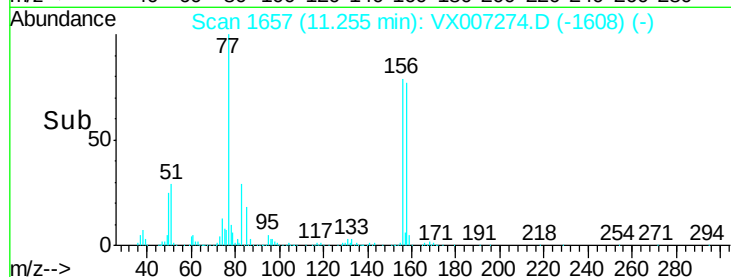
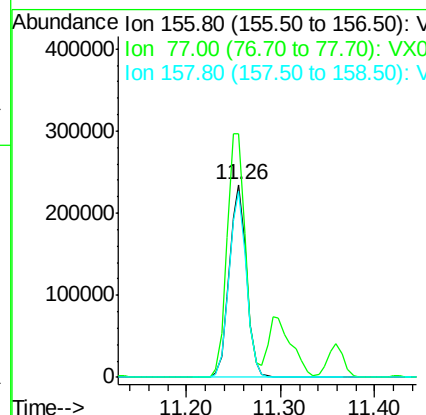
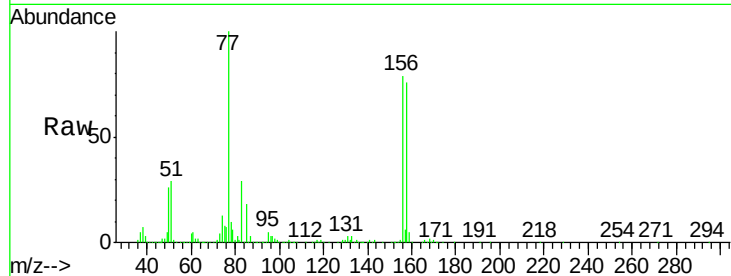
#77
Bromobenzene
Concen: 46.740 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.5	68.0	204.0
158	96.8	48.3	144.8

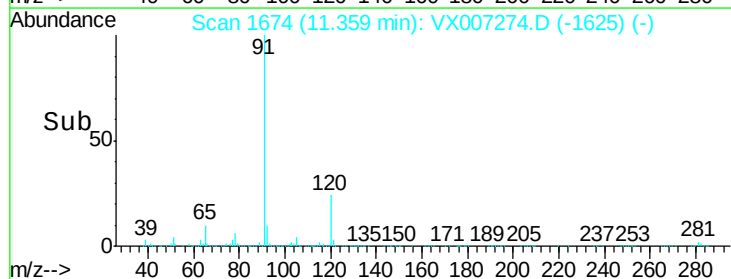
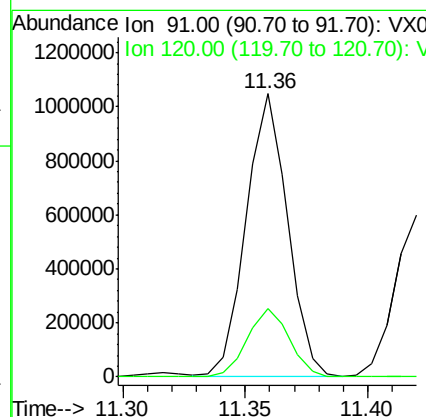
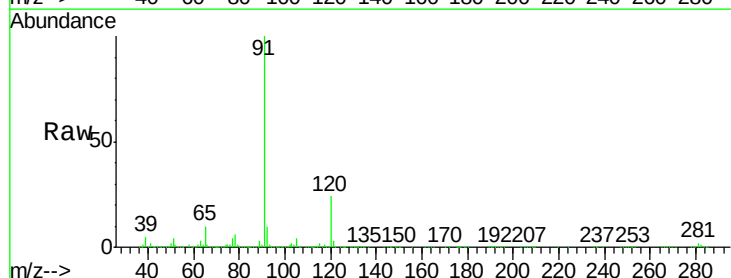
Manual Integrations
APPROVED

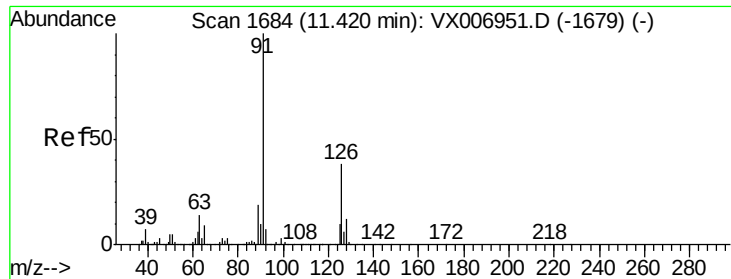
MMDadoda
1/29/2019 9:51:34 AM



#78
n-propylbenzene
Concen: 48.489 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.7	38.0





#79

2-Chlorotoluene

Concen: 47.572 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 723087

Ion Ratio Lower Upper

91 100

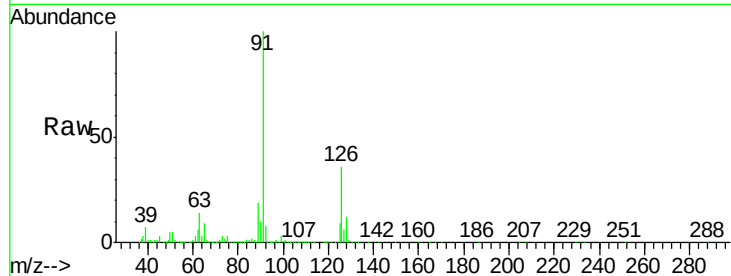
126 36.5 18.6 56.0

Manual Integrations

APPROVED

MMDadoda

1/29/2019 9:51:34 AM



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

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

1200000

1000000

800000

600000

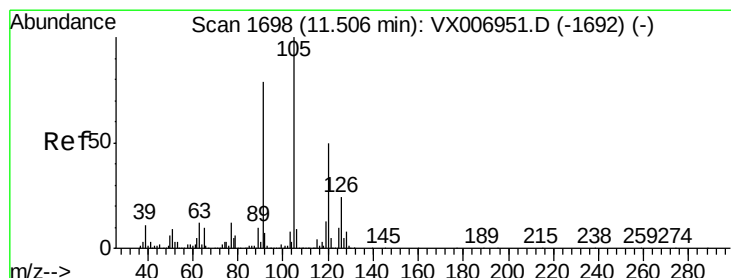
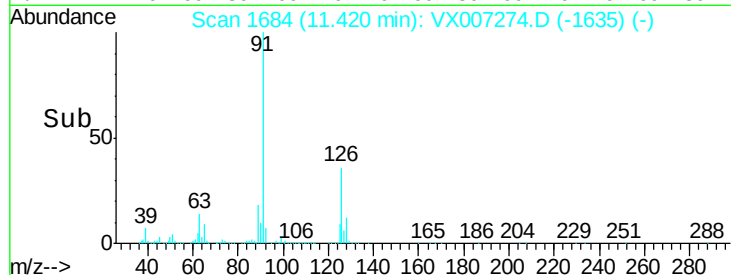
400000

200000

0

11.40 11.42 11.44 11.46

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.394 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007274.D

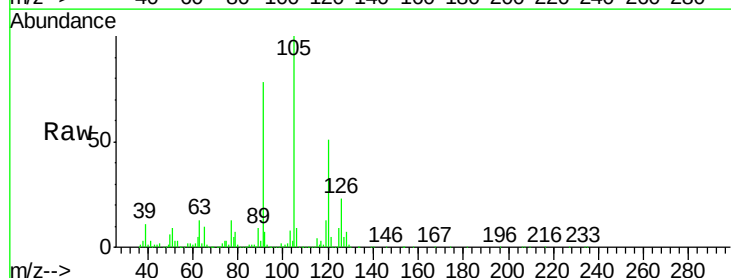
Acq: 28 Jan 2019 21:12

Tgt Ion: 105 Resp: 891655

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.3



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

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

800000

600000

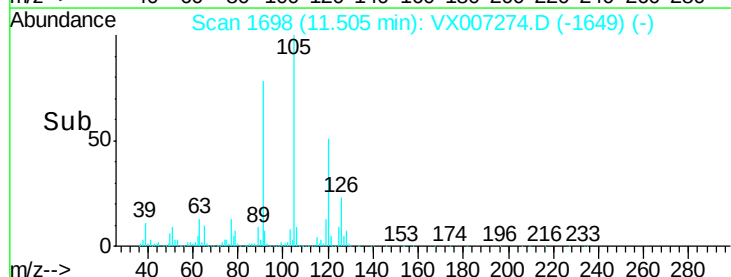
400000

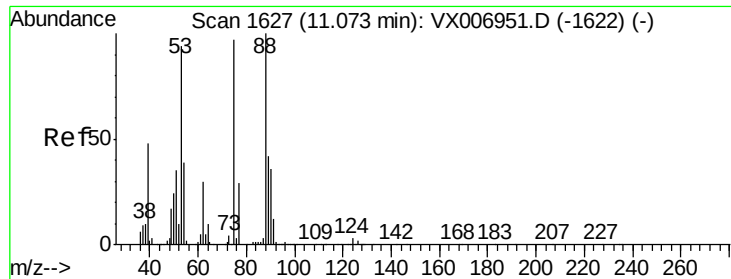
200000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 44.038 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

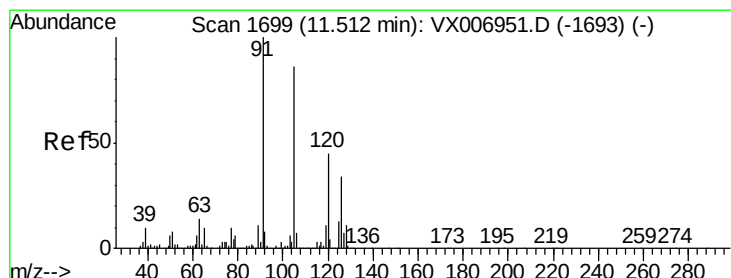
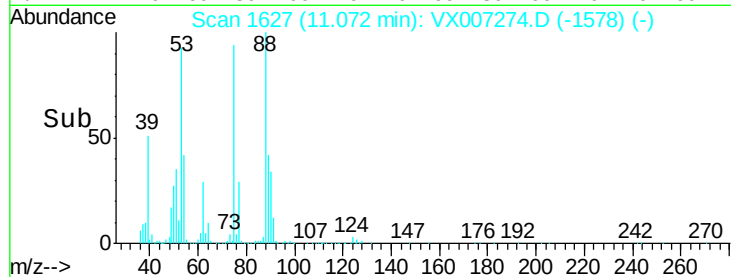
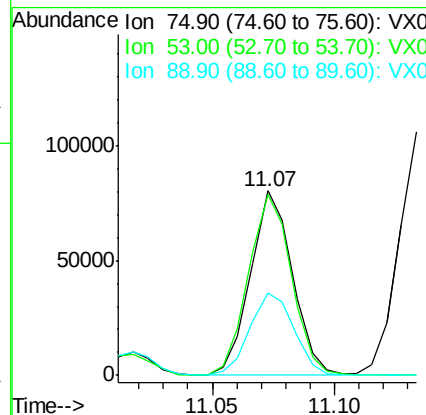
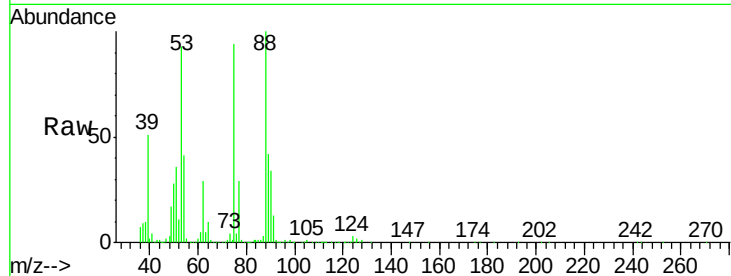
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	95389
Ion	Ratio	Lower	Upper
75	100		
53	100.5	79.7	119.5
89	47.4	38.0	57.0

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:34 AM



#82

4-Chlorotoluene

Concen: 47.305 ug/l

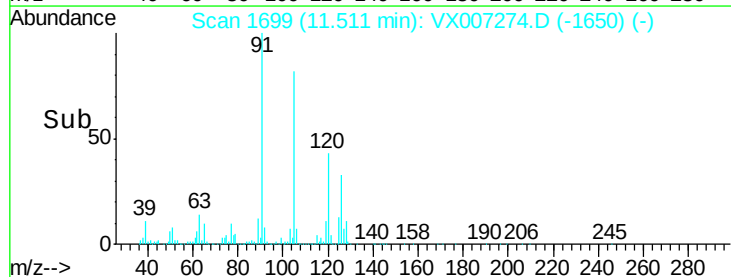
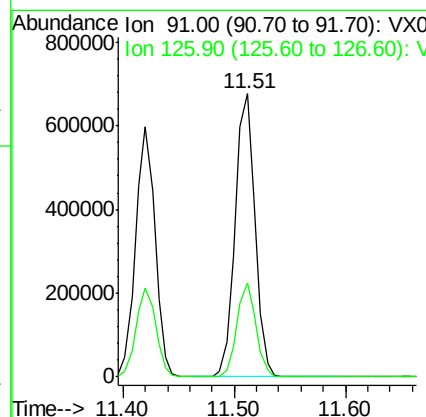
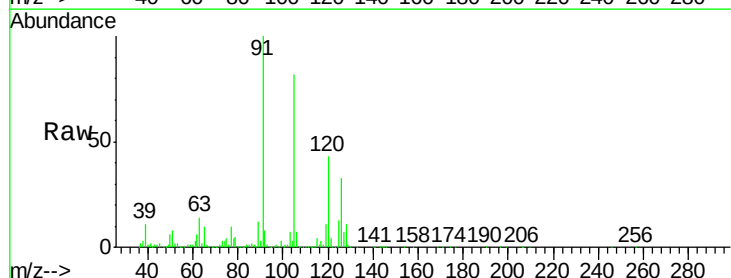
RT: 11.51 min Scan# 1699

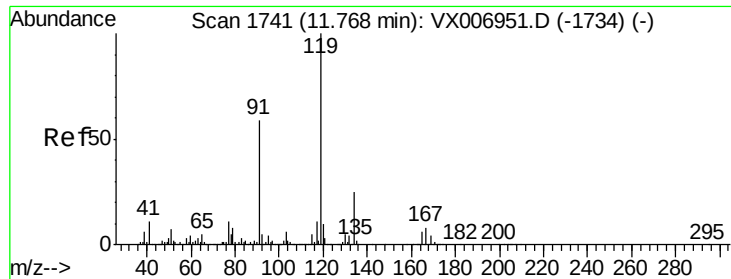
Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion:	91	Resp:	832508
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.3	48.9





#83

tert-Butylbenzene

Concen: 48.405 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

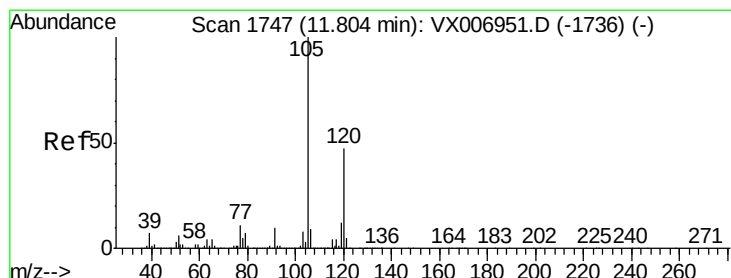
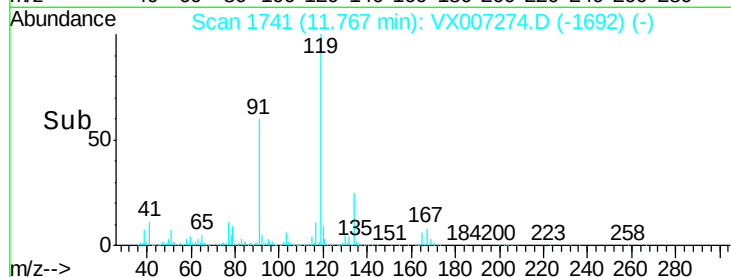
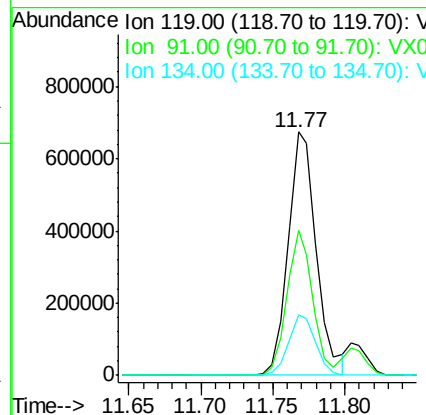
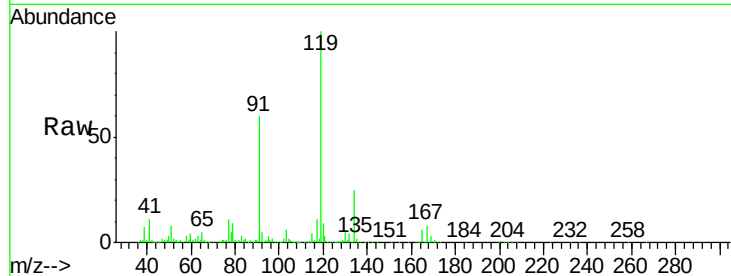
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	928198
Ion Ratio	Lower	Upper	
119	100		
91	54.4	27.7	83.1
134	23.7	11.9	35.5

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:34 AM



#84

1,2,4-Trimethylbenzene

Concen: 47.871 ug/l

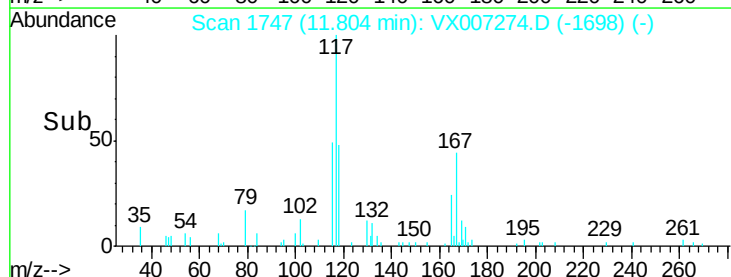
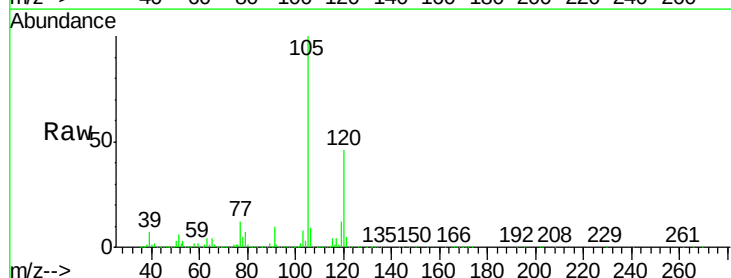
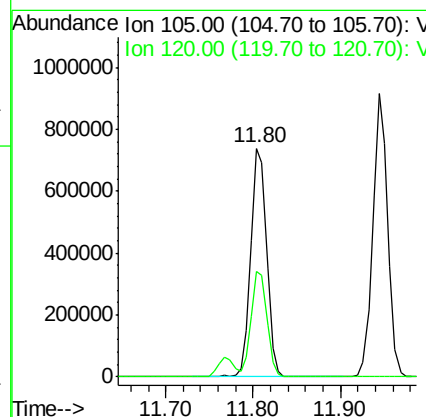
RT: 11.80 min Scan# 1747

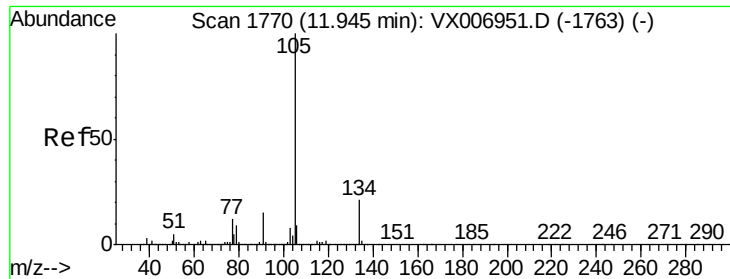
Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion:	105	Resp:	925181
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 47.713 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1092656

Ion Ratio Lower Upper

105 100

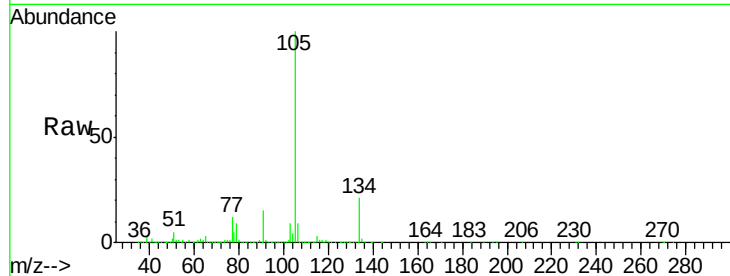
134 21.3 10.7 31.9

Manual Integrations

APPROVED

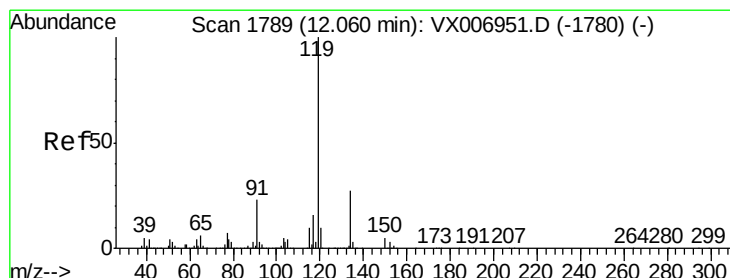
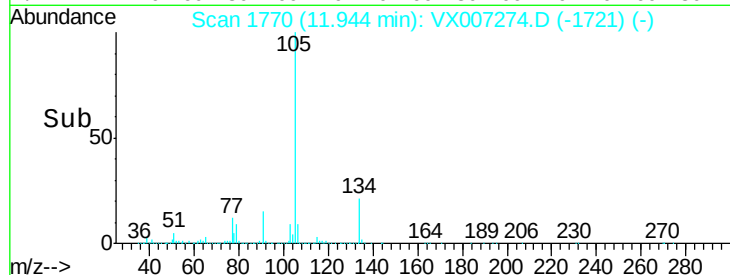
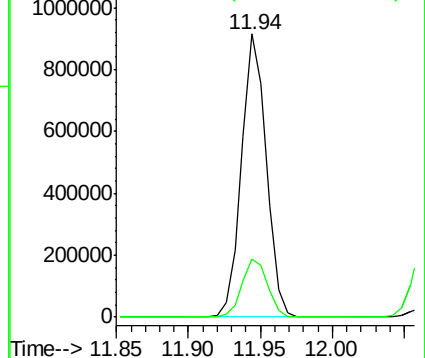
MMDadoda

1/29/2019 9:51:34 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.829 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

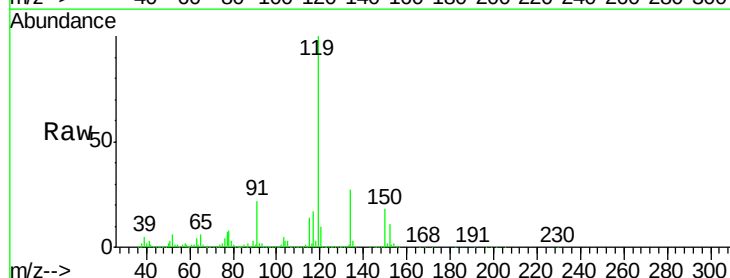
Tgt Ion:119 Resp: 979725

Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

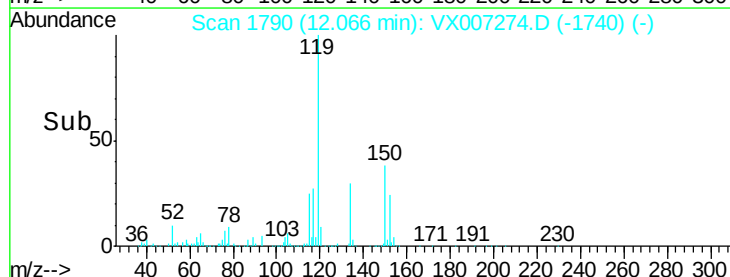
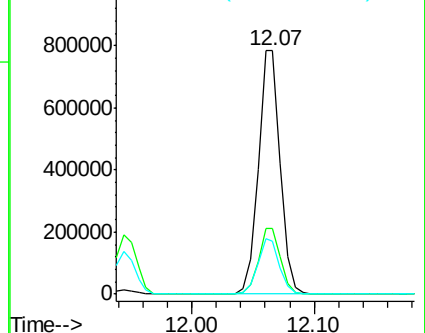
91 22.4 11.3 33.9

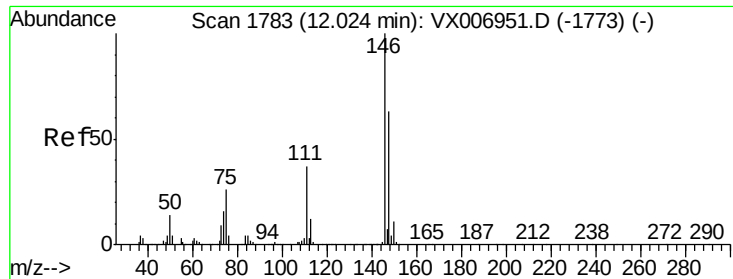


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





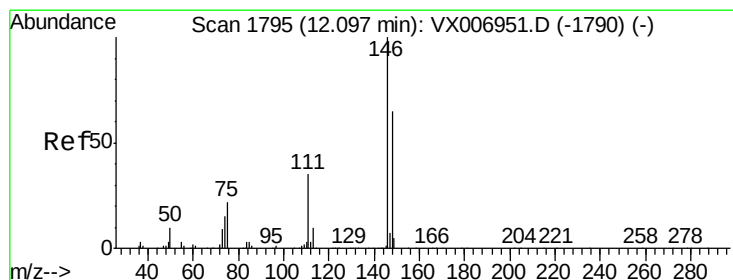
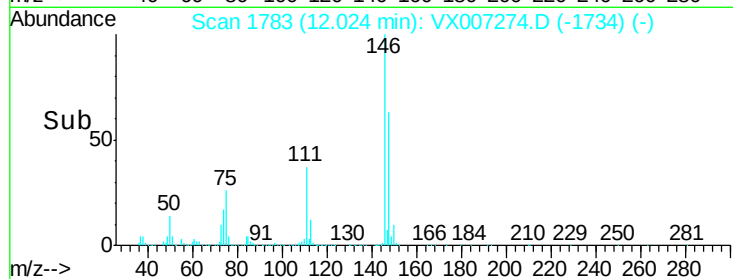
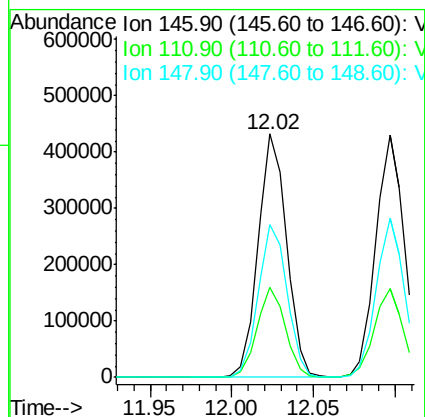
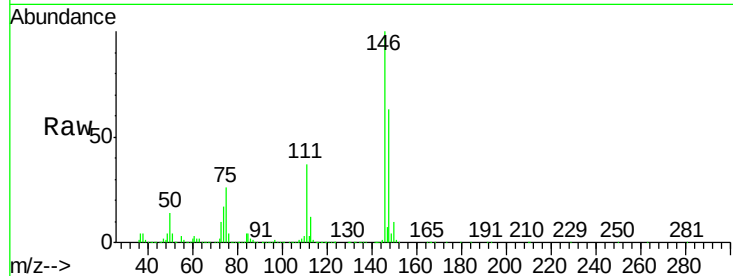
#87
 1,3-Dichlorobenzene
 Concen: 46.089 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007274.D
 Acq: 28 Jan 2019 21:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	527964
Ion Ratio		Lower	Upper
146	100		
111	36.6	18.6	55.8
148	63.6	31.8	95.3

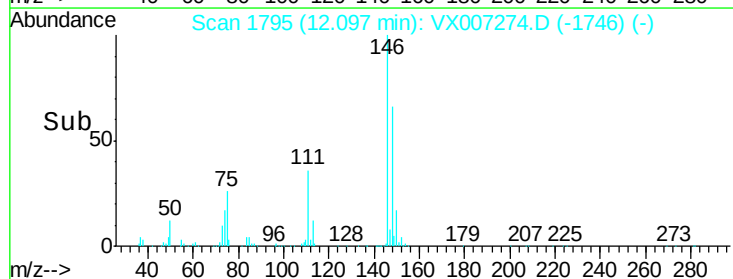
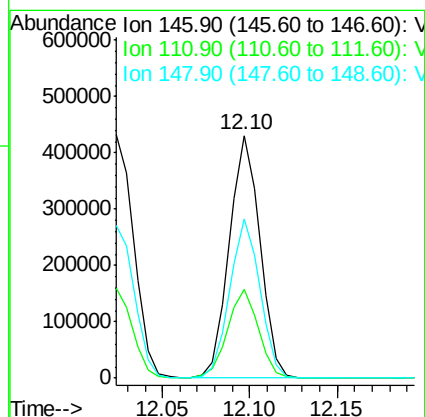
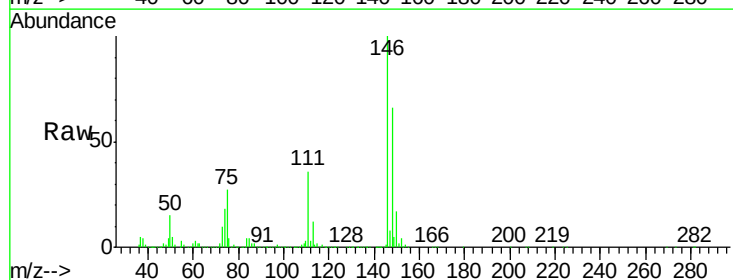
Manual Integrations
 APPROVED

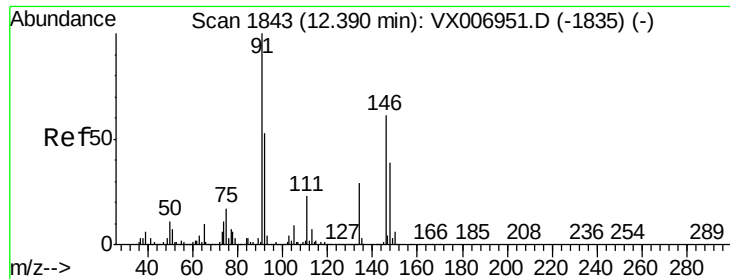
MMDadoda
 1/29/2019 9:51:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.449 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007274.D
 Acq: 28 Jan 2019 21:12

Tgt Ion:	146	Resp:	525795
Ion Ratio		Lower	Upper
146	100		
111	36.8	18.1	54.1
148	65.1	31.9	95.9





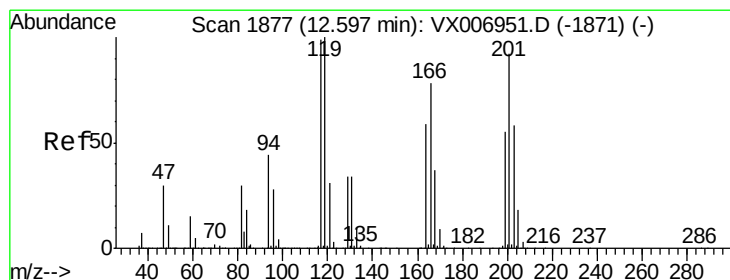
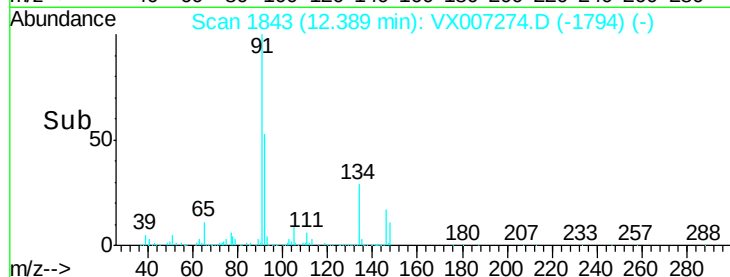
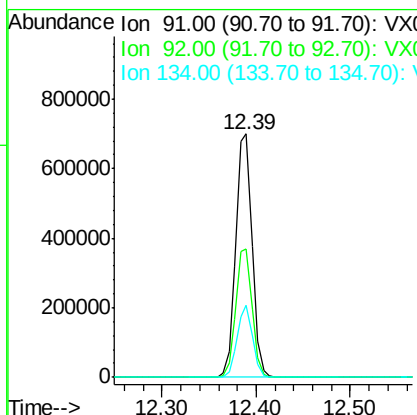
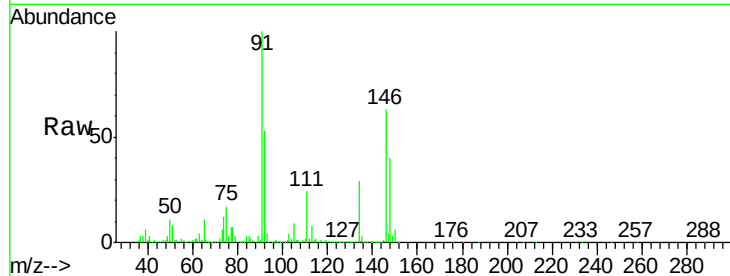
#89
n-Butylbenzene
Concen: 47.952 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.4
134	27.9	14.4	43.2

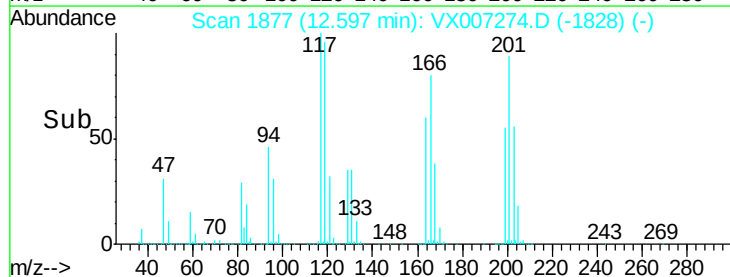
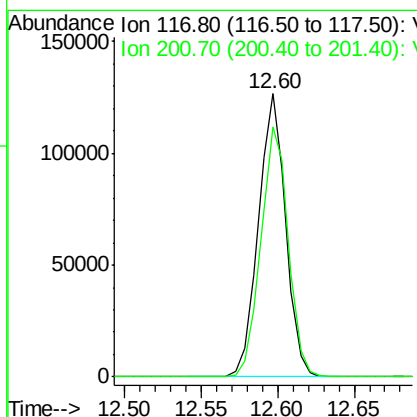
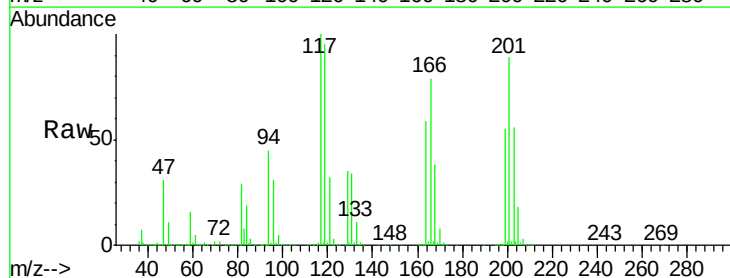
Manual Integrations
APPROVED

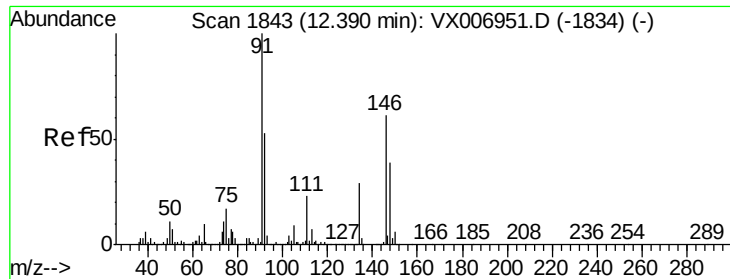
MMDadoda
1/29/2019 9:51:34 AM



#90
Hexachloroethane
Concen: 48.004 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007274.D
Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 46.840 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

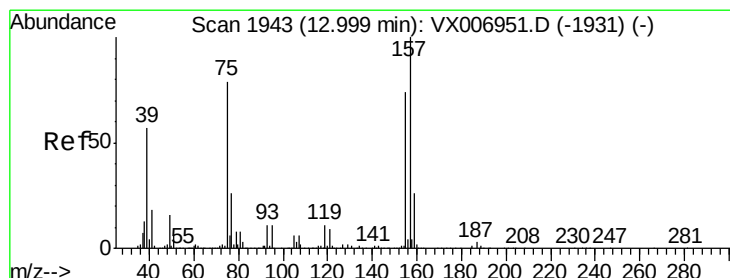
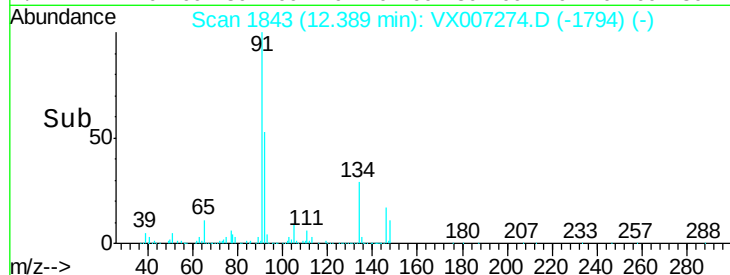
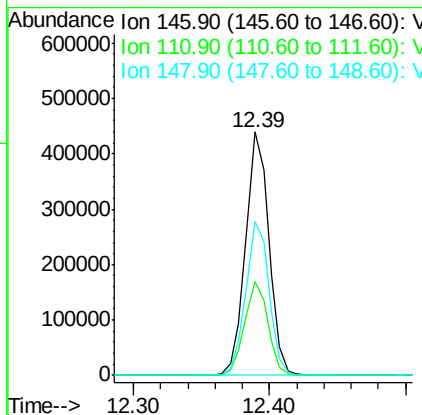
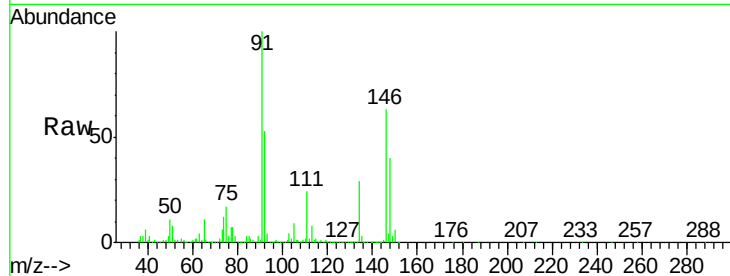
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	529515
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.4	58.2
148	63.5	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:34 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.245 ug/l

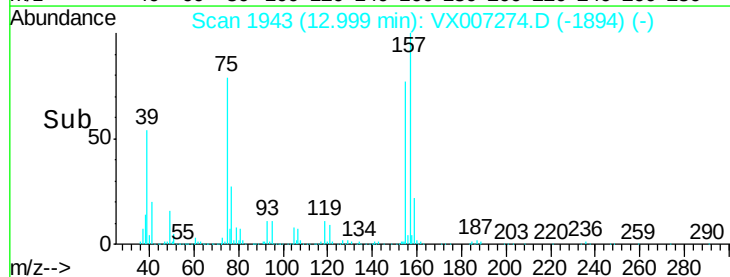
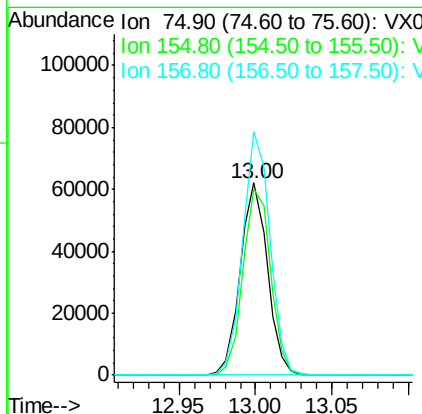
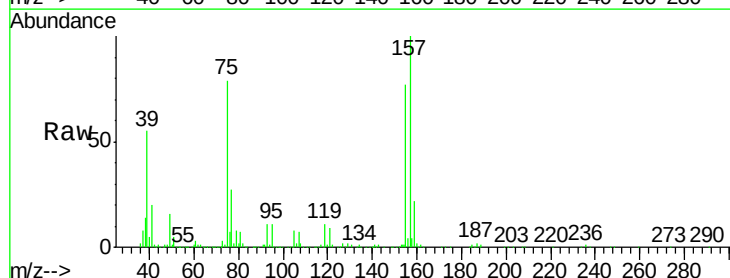
RT: 13.00 min Scan# 1943

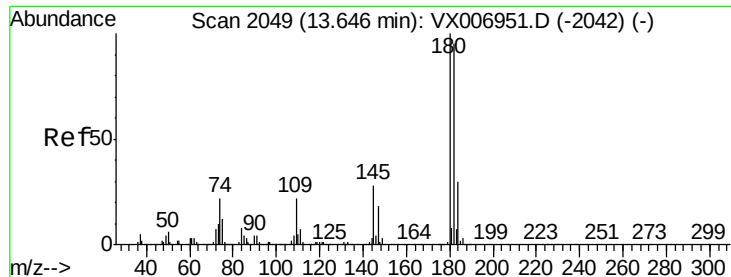
Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Tgt Ion:	75	Resp:	76895
Ion Ratio	Lower	Upper	
75	100		
155	98.5	50.6	151.8
157	126.2	64.6	193.8





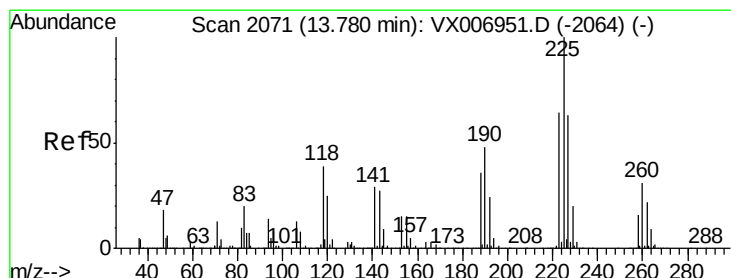
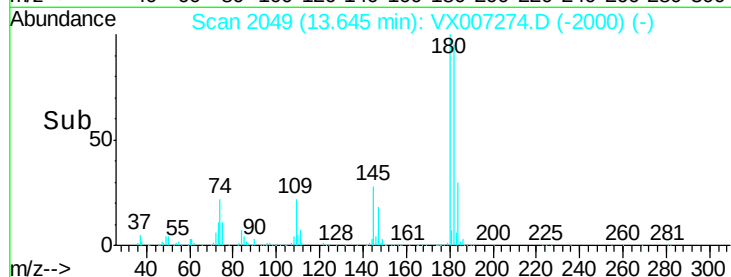
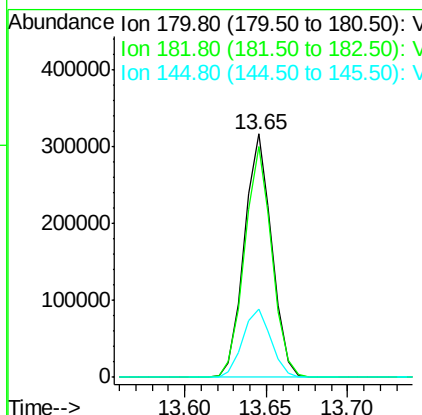
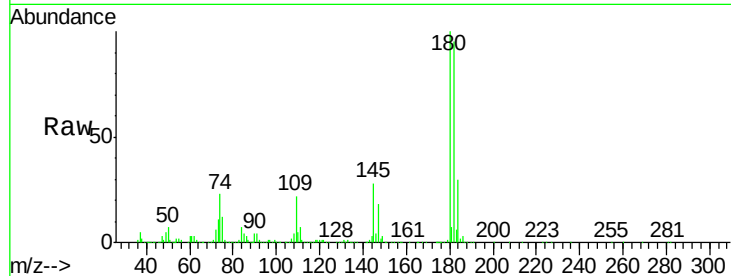
#93
 1,2,4-Trichlorobenzene
 Concen: 47.791 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007274.D
 Acq: 28 Jan 2019 21:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	370661		
182	94.4	47.3	142.0	
145	29.1	14.8	44.3	

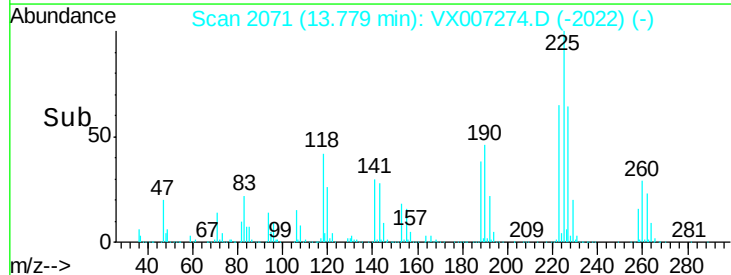
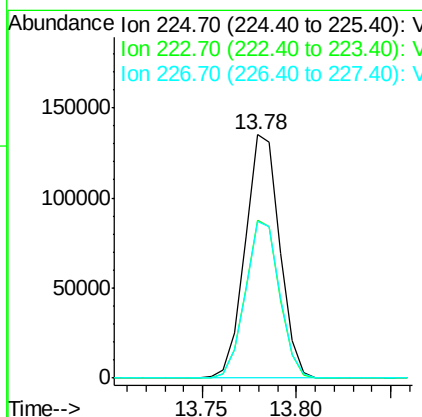
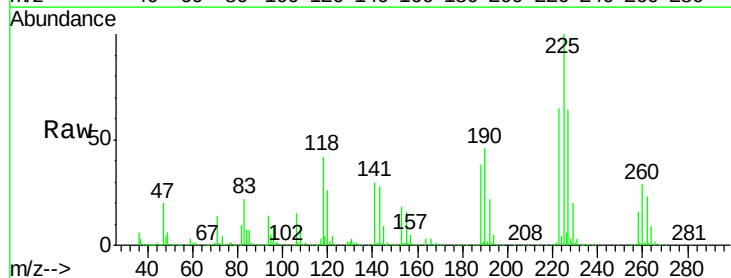
Manual Integrations
 APPROVED

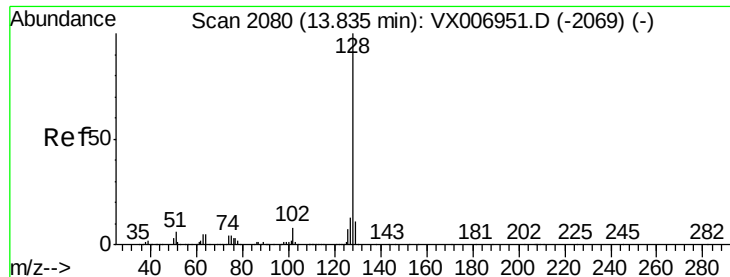
MMDadoda
 1/29/2019 9:51:34 AM



#94
 Hexachlorobutadiene
 Concen: 49.805 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007274.D
 Acq: 28 Jan 2019 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	171418		
223	63.9	32.1	96.3	
227	63.8	32.3	96.8	





#95

Naphthalene

Concen: 48.711 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1144792

Ion Ratio Lower Upper

128 100

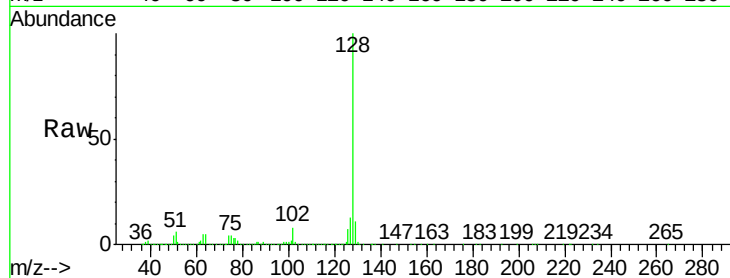
127 13.0 10.1 15.1

129 10.9 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

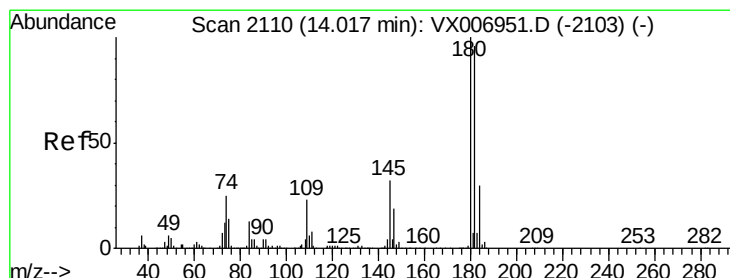
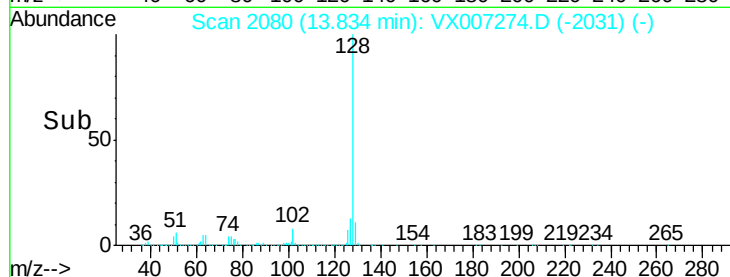
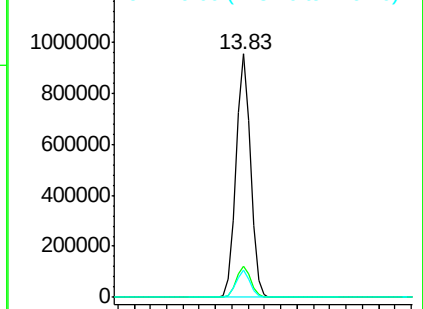
1/29/2019 9:51:34 AM



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: 48.453 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007274.D

Acq: 28 Jan 2019 21:12

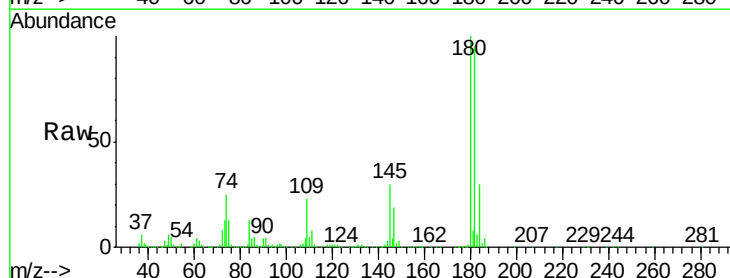
Tgt Ion:180 Resp: 373310

Ion Ratio Lower Upper

180 100

182 95.5 48.5 145.5

145 29.9 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

