

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012819\
 Data File : VX007267.D
 Acq On : 28 Jan 2019 18:12
 Operator : JC/SP
 Sample : VX0128WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 9:51:24 AM

Quant Time: Jan 29 01:08:02 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	450393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	656114	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	612713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	317553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	243967	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
35) Dibromofluoromethane	5.51	113	219001	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
50) Toluene-d8	8.71	98	806729	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	11.13	95	286667	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	61395	16.599	ug/l	97
3) Chloromethane	1.33	50	74661	17.340	ug/l	98
4) Vinyl Chloride	1.41	62	81609	17.620	ug/l	99
5) Bromomethane	1.64	94	82899	16.753	ug/l	95
6) Chloroethane	1.72	64	56229	17.387	ug/l	96
7) Trichlorofluoromethane	1.93	101	134339	17.951	ug/l	99
8) Diethyl Ether	2.19	74	54387	18.267	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	82762	18.472	ug/l	99
10) Methyl Iodide	2.51	142	108607	17.970	ug/l	99
11) Tert butyl alcohol	3.07	59	102884	92.659	ug/l	99
12) 1,1-Dichloroethene	2.38	96	72748	17.574	ug/l	98
13) Acrolein	2.30	56	48509	103.132	ug/l	100
14) Allyl chloride	2.73	41	130098	18.338	ug/l	98
15) Acrylonitrile	3.15	53	248438	97.467	ug/l	100
16) Acetone	2.45	43	213675	91.825	ug/l	97
17) Carbon Disulfide	2.57	76	151103	14.178	ug/l	98
18) Methyl Acetate	2.78	43	142322	21.120	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	276896	19.272	ug/l	97
20) Methylene Chloride	2.86	84	88349	19.618	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	79912	17.323	ug/l	97
22) Diisopropyl ether	3.87	45	254741	19.100	ug/l	94
23) Vinyl Acetate	3.82	43	1026722	91.285	ug/l	98
24) 1,1-Dichloroethane	3.70	63	141520	18.977	ug/l	97
25) 2-Butanone	4.70	43	315435	94.737	ug/l	96
26) 2,2-Dichloropropane	4.59	77	95027	16.571	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	93419	18.360	ug/l	99
28) Bromochloromethane	5.02	49	68773	21.048	ug/l	93
29) Tetrahydrofuran	5.15	42	204010	94.283	ug/l	97
30) Chloroform	5.21	83	150177	19.233	ug/l	94
31) Cyclohexane	5.57	56	111022	16.726	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	123053	18.593	ug/l	98
36) 1,1-Dichloropropene	5.80	75	99881	17.510	ug/l	99
37) Ethyl Acetate	4.85	43	117228	19.169	ug/l	98
38) Carbon Tetrachloride	5.79	117	103029	17.952	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012819\
 Data File : VX007267.D
 Acq On : 28 Jan 2019 18:12
 Operator : JC/SP
 Sample : VX0128WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 9:51:24 AM

Quant Time: Jan 29 01:08:02 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	122426	16.835	ug/l	98
40) Benzene	6.15	78	324956	18.669	ug/l	98
41) Methacrylonitrile	5.06	41	65736	18.659	ug/l	98
42) 1,2-Dichloroethane	6.20	62	114000	18.953	ug/l	99
43) Isopropyl Acetate	6.46	43	184243	19.099	ug/l	97
44) Trichloroethene	7.21	130	94624	18.142	ug/l	90
45) 1,2-Dichloropropane	7.51	63	86040	19.662	ug/l	99
46) Dibromomethane	7.66	93	60620	19.711	ug/l	99
47) Bromodichloromethane	7.90	83	104392	19.942	ug/l	96
48) Methyl methacrylate	7.77	41	96943	19.569	ug/l	97
49) 1,4-Dioxane	7.75	88	43175	376.285	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	639310	103.124	ug/l	99
52) Toluene	8.78	92	207615	18.558	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	106299	18.313	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	121224	18.911	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	93821	20.952	ug/l	99
56) Ethyl methacrylate	9.18	69	129578	19.822	ug/l	96
57) 1,3-Dichloropropane	9.37	76	145233	19.797	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	347147	103.284	ug/l	98
59) 2-Hexanone	9.49	43	473759	100.281	ug/l	99
60) Dibromochloromethane	9.58	129	88159	20.275	ug/l	98
61) 1,2-Dibromoethane	9.67	107	96418	19.559	ug/l	98
64) Tetrachloroethene	9.34	164	102764	19.372	ug/l	96
65) Chlorobenzene	10.14	112	252773	18.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	88331	19.649	ug/l	98
67) Ethyl Benzene	10.25	91	401850	18.215	ug/l	99
68) m/p-Xylenes	10.36	106	313427	36.059	ug/l	100
69) o-Xylene	10.69	106	156499	18.462	ug/l	99
70) Styrene	10.71	104	251641	18.743	ug/l	99
71) Bromoform	10.86	173	64368	19.218	ug/l #	99
73) Isopropylbenzene	11.02	105	416610	18.605	ug/l	100
74) N-amyl acetate	10.90	43	163091	18.090	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	136426	19.191	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	124848m	19.401	ug/l	
77) Bromobenzene	11.26	156	115789	18.767	ug/l	98
78) n-propylbenzene	11.36	91	456029	18.552	ug/l	99
79) 2-Chlorotoluene	11.42	91	279346	18.878	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	341965	18.277	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	30239	16.891	ug/l	88
82) 4-Chlorotoluene	11.51	91	315025	18.387	ug/l	99
83) tert-Butylbenzene	11.77	119	339693	18.197	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	354349	18.834	ug/l	99
85) sec-Butylbenzene	11.94	105	411114	18.440	ug/l	100
86) p-Isopropyltoluene	12.07	119	368308	18.469	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	202534	18.161	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	201353	19.146	ug/l	98
89) n-Butylbenzene	12.39	91	303998	17.883	ug/l	99
90) Hexachloroethane	12.60	117	53203	18.648	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	201924	18.348	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	26339	18.734	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012819\
Data File : VX007267.D
Acq On : 28 Jan 2019 18:12
Operator : JC/SP
Sample : VX0128WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

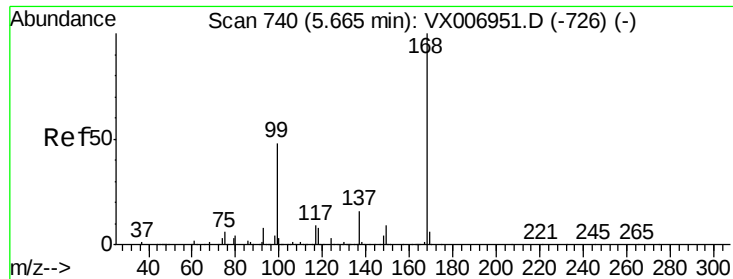
Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM

Quant Time: Jan 29 01:08:02 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	136021	18.015	ug/l	98
94) Hexachlorobutadiene	13.78	225	66090	19.725	ug/l	99
95) Naphthalene	13.83	128	417860	18.264	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	139041	18.538	ug/l	99

(#) = 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: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion:168 Resp: 450393

Ion Ratio Lower Upper

168 100

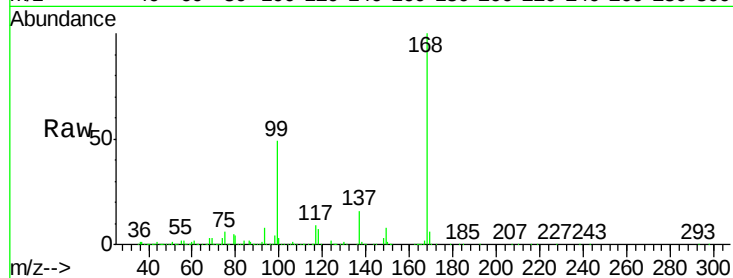
99 48.9 41.8 62.8

Manual Integrations

APPROVED

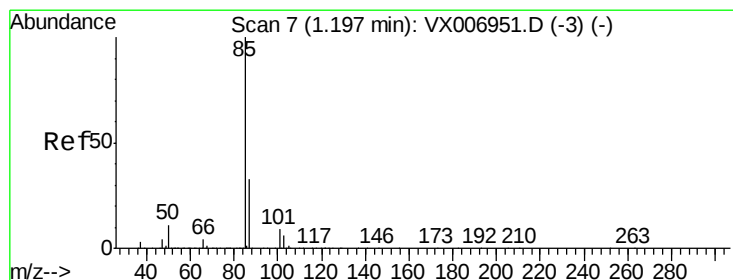
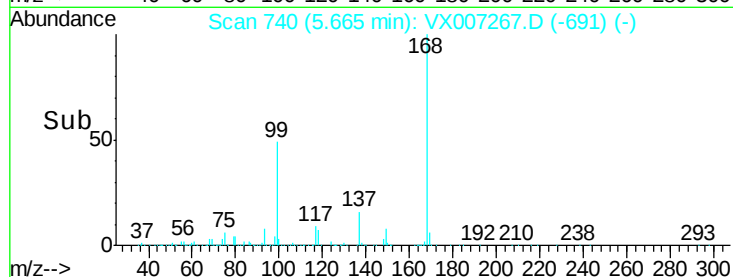
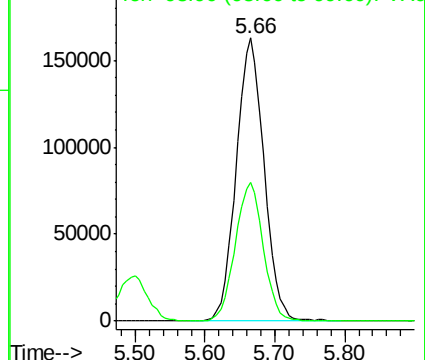
MMDadoda

1/29/2019 9:51:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.599 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007267.D

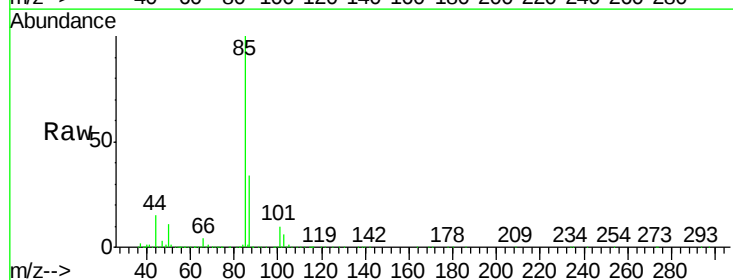
Acq: 28 Jan 2019 18:12

Tgt Ion: 85 Resp: 61395

Ion Ratio Lower Upper

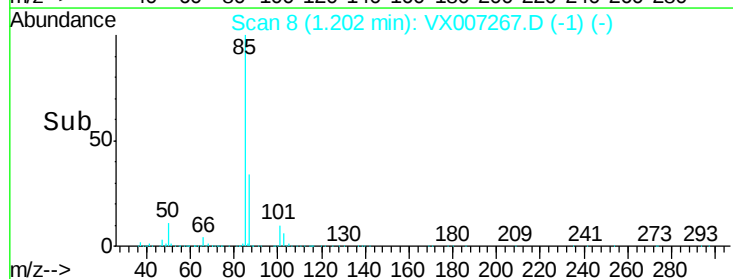
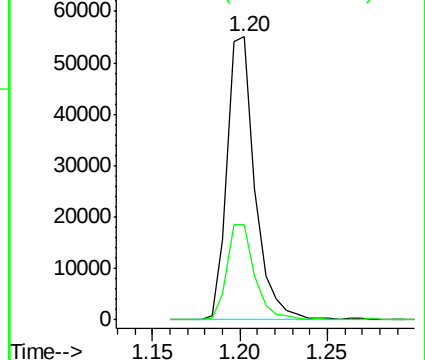
85 100

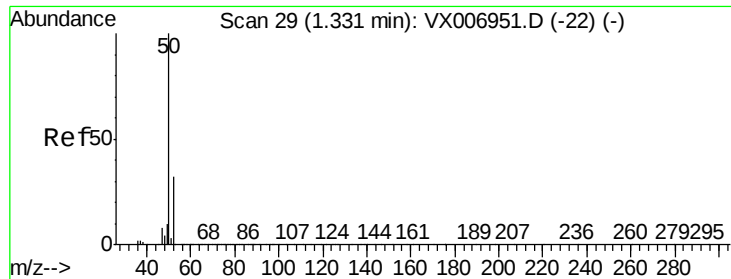
87 33.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.340 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 50 Resp: 74661

Ion Ratio Lower Upper

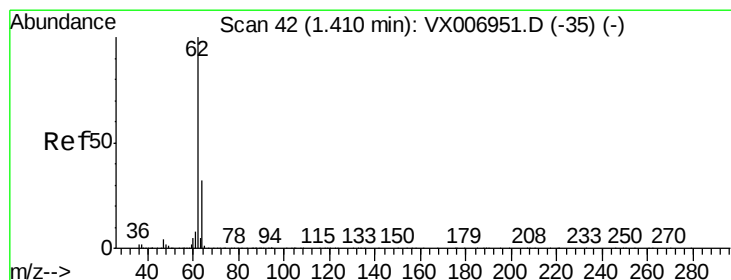
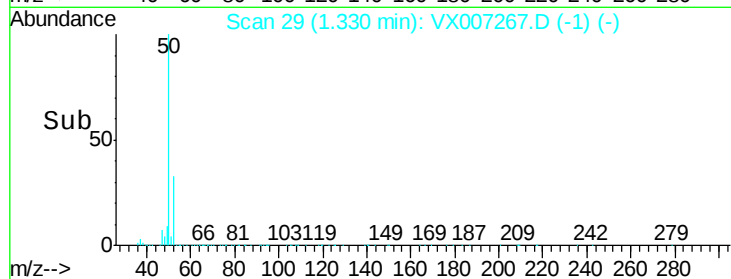
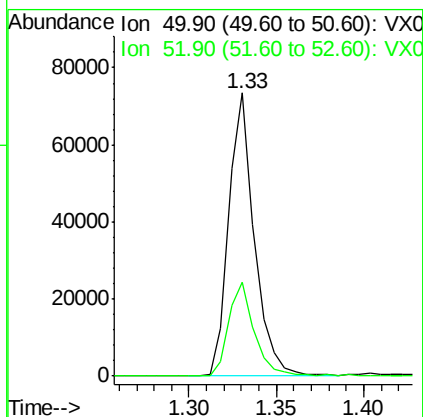
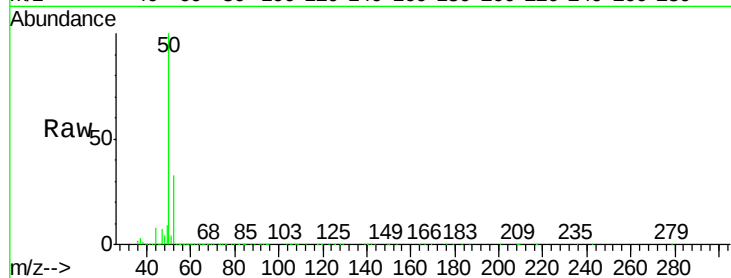
50 100

52 32.8 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:24 AM



#4

Vinyl Chloride

Concen: 17.620 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007267.D

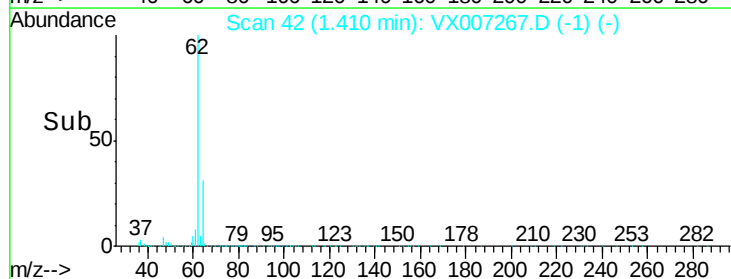
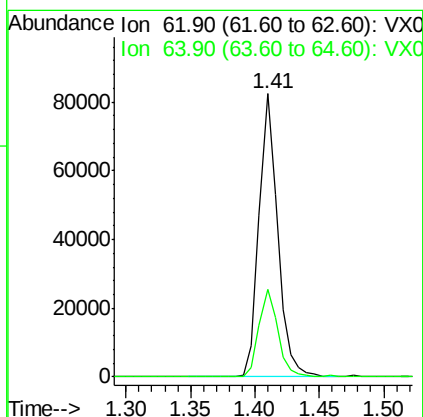
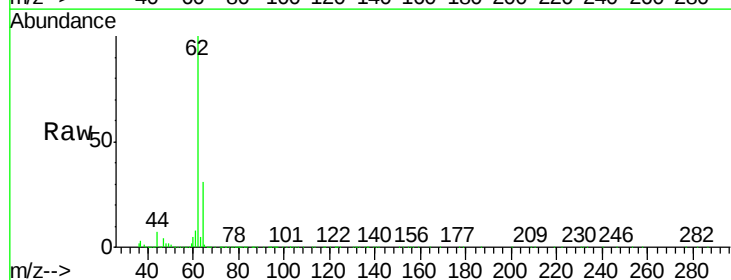
Acq: 28 Jan 2019 18:12

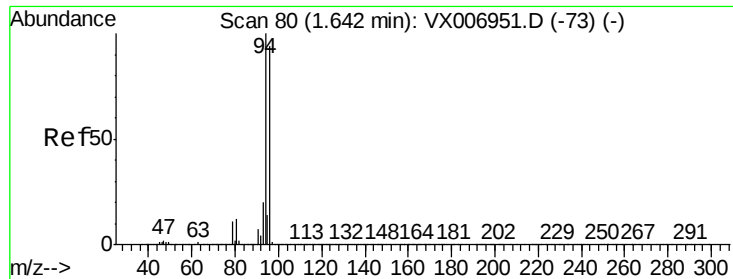
Tgt Ion: 62 Resp: 81609

Ion Ratio Lower Upper

62 100

64 31.0 25.1 37.7





#5

Bromomethane

Concen: 16.753 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 94 Resp: 82899

Ion Ratio Lower Upper

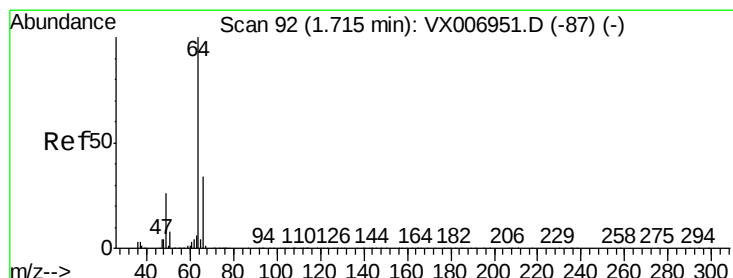
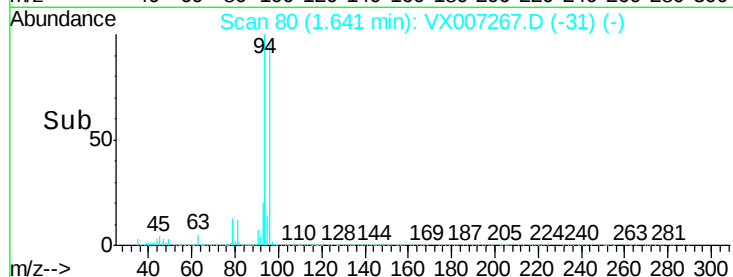
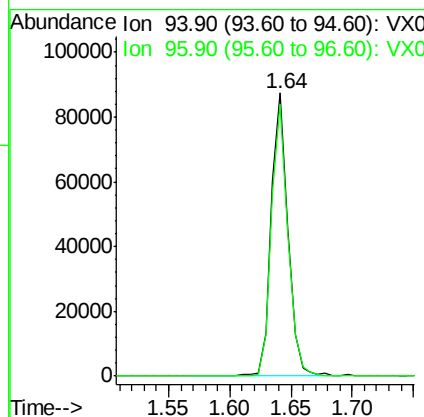
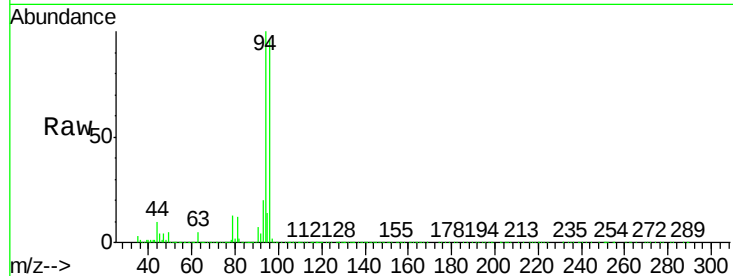
94 100

96 96.2 73.4 110.2

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:24 AM



#6

Chloroethane

Concen: 17.387 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007267.D

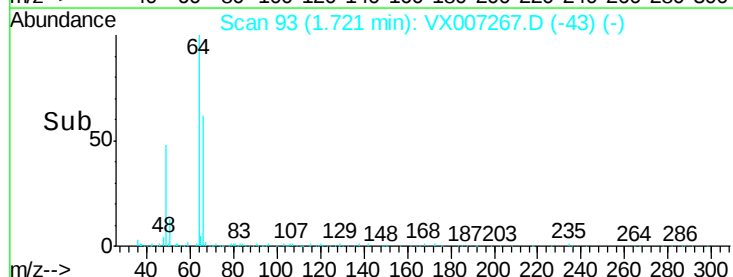
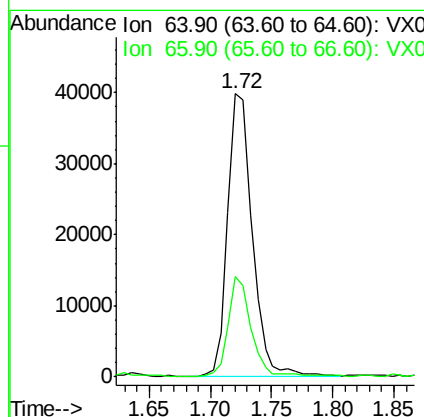
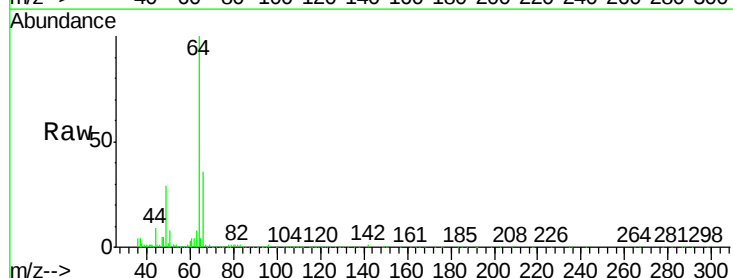
Acq: 28 Jan 2019 18:12

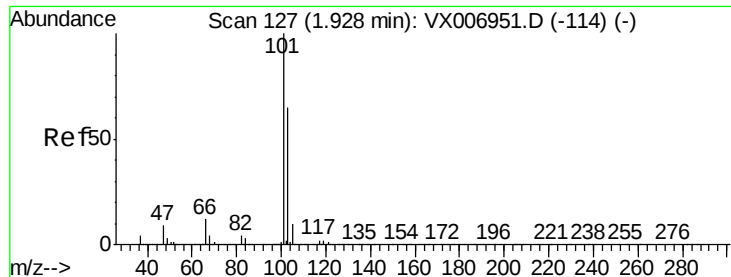
Tgt Ion: 64 Resp: 56229

Ion Ratio Lower Upper

64 100

66 35.3 26.4 39.6





#7

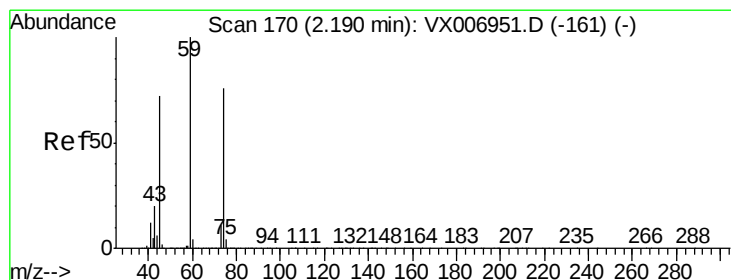
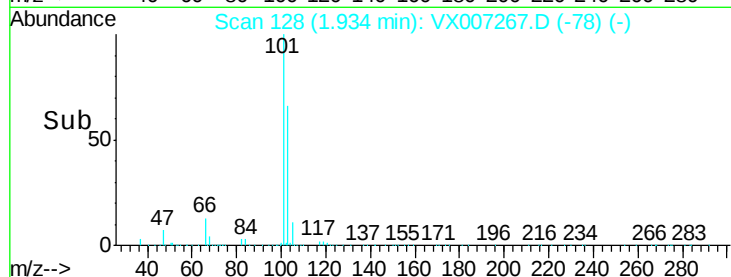
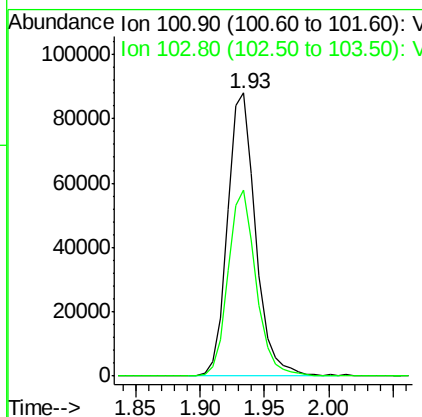
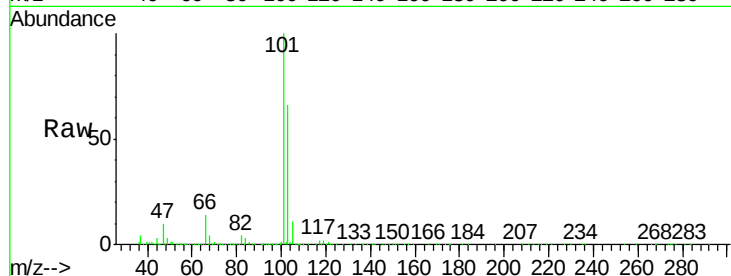
Trichlorofluoromethane
 Concen: 17.951 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.2	79.8

Manual Integrations
 APPROVED

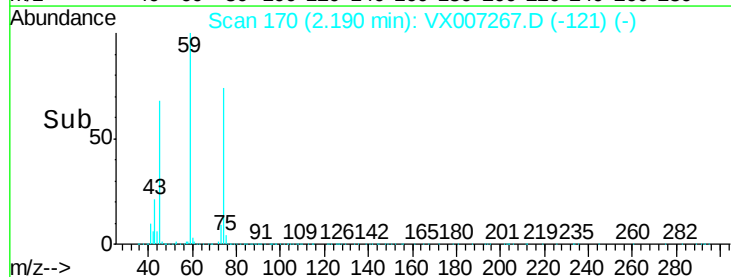
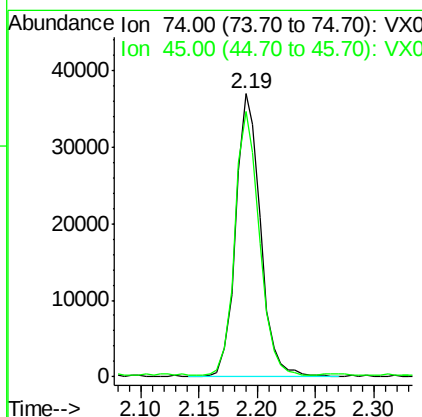
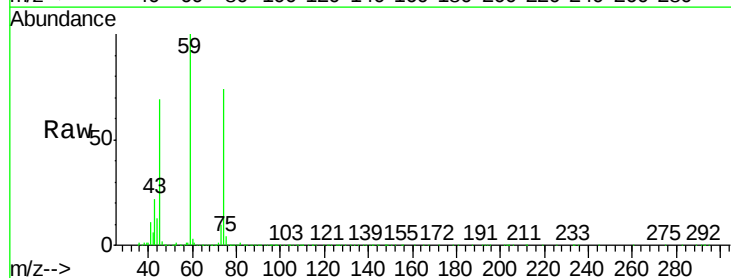
MMDadoda
 1/29/2019 9:51:24 AM

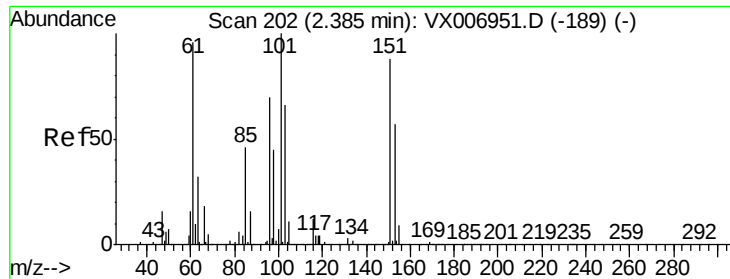


#8

Diethyl Ether
 Concen: 18.267 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.472 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

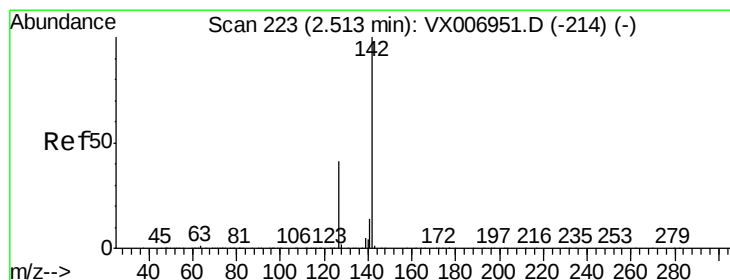
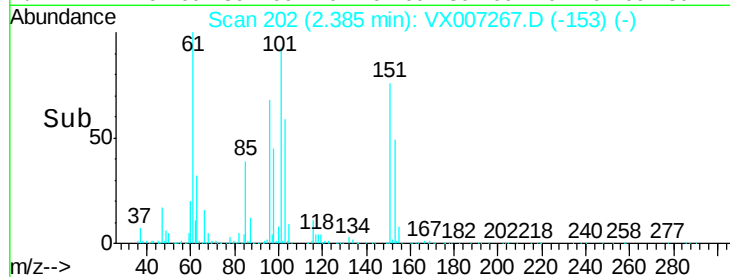
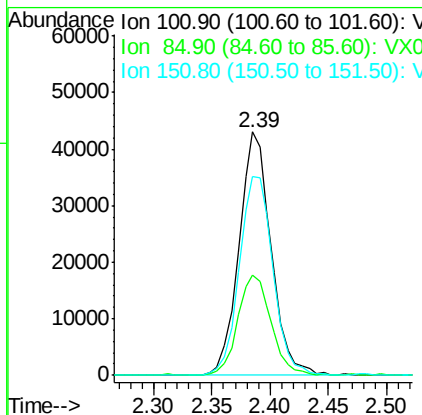
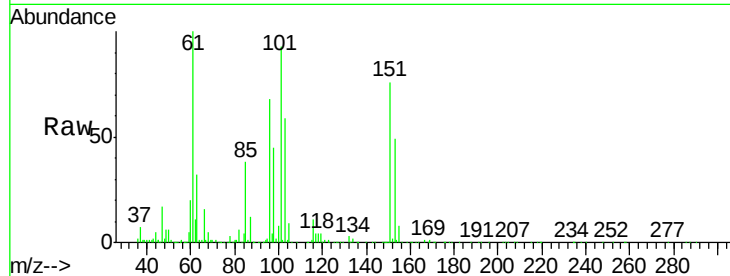
ClientSampleId :

VX0128WBSD01

Tot Ion:	101	Resp:	82762
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.1	52.7
151	85.9	68.9	103.3

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM



#10

Methyl Iodide

Concen: 17.970 ug/l

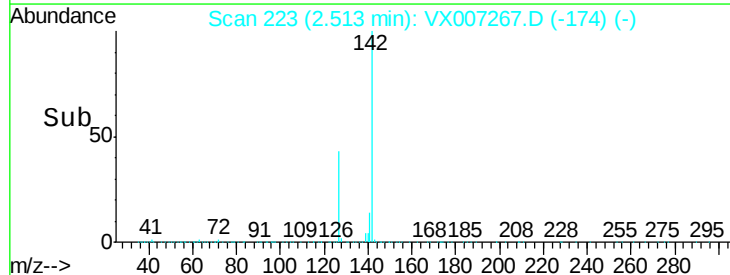
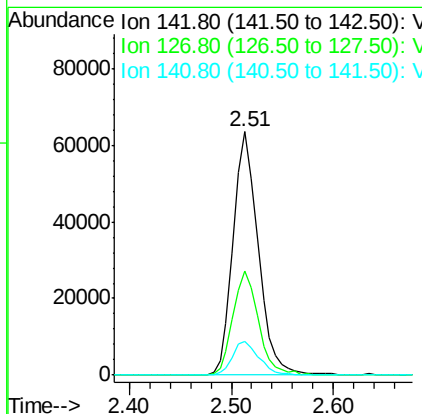
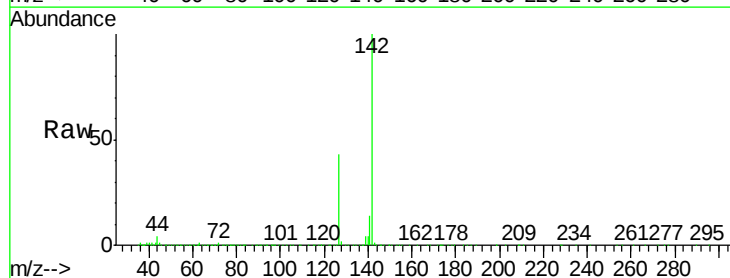
RT: 2.51 min Scan# 223

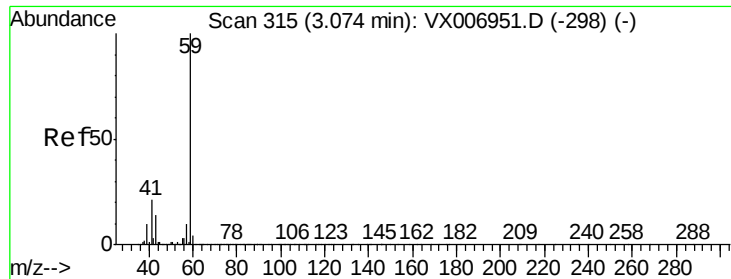
Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tgt Ion:	142	Resp:	108607
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.9	50.9
141	14.6	11.4	17.0





#11

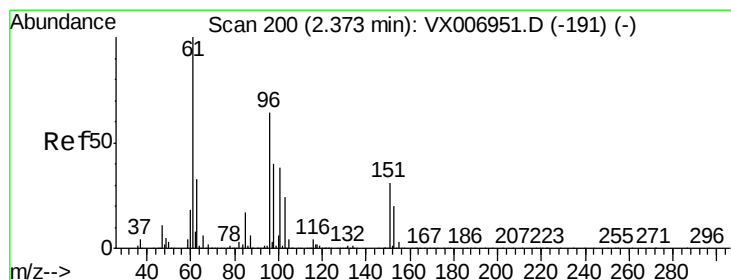
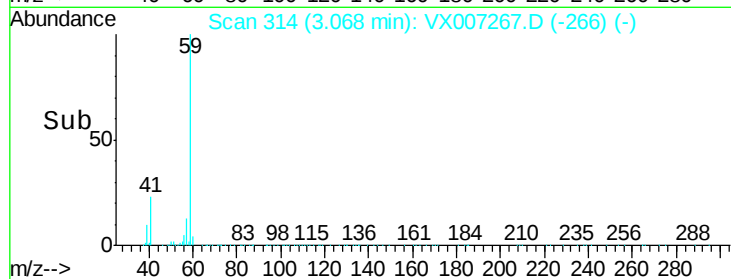
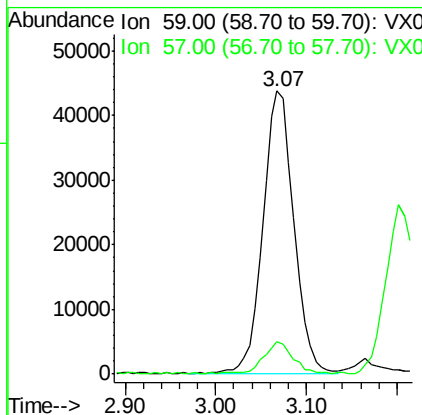
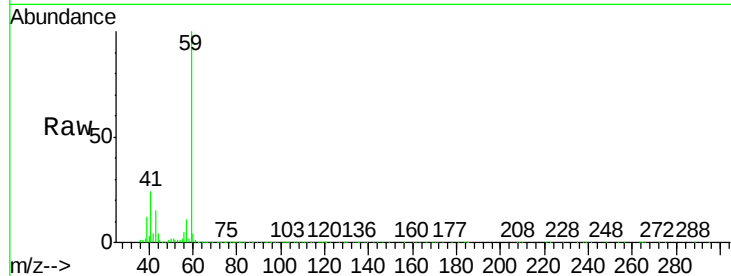
Tert butyl alcohol
Concen: 92.659 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
APPROVED

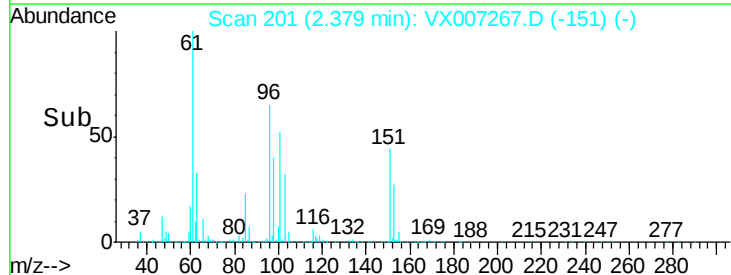
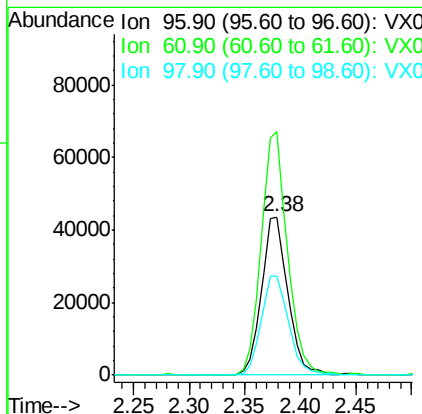
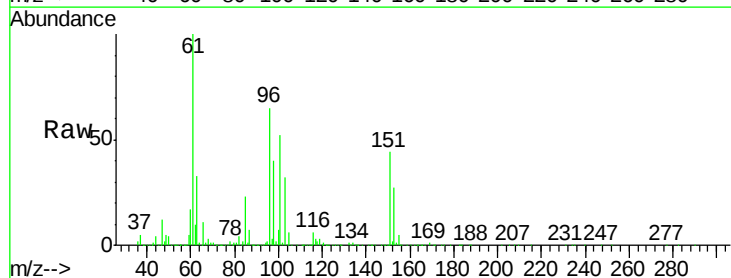
MMDadoda
1/29/2019 9:51:24 AM

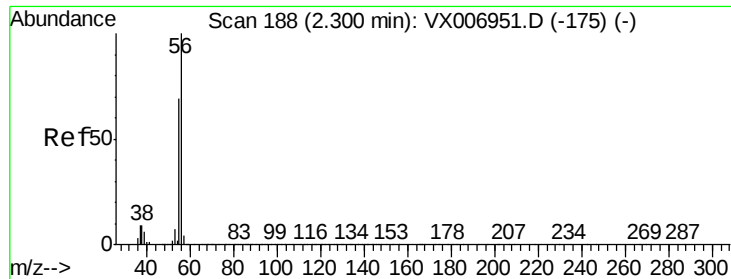


#12

1,1-Dichloroethene
Concen: 17.574 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.2	121.4	182.2
98	62.0	51.9	77.9





#13

Acrolein

Concen: 103.132 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 56 Resp: 48509

Ion Ratio Lower Upper

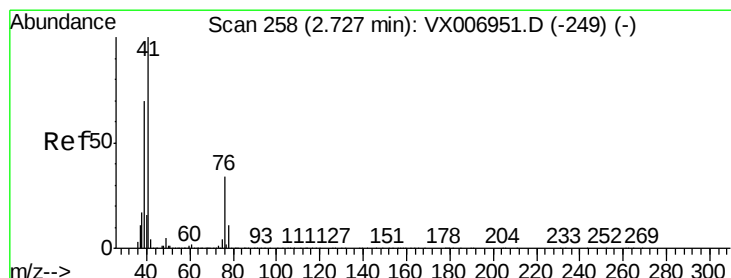
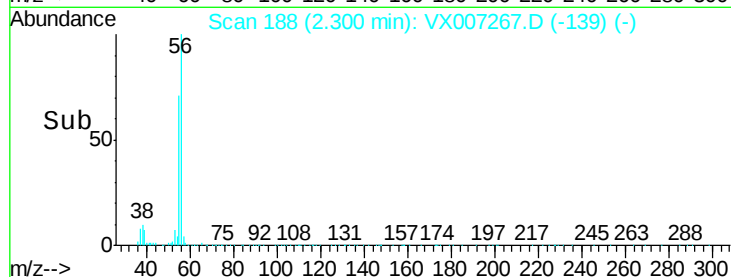
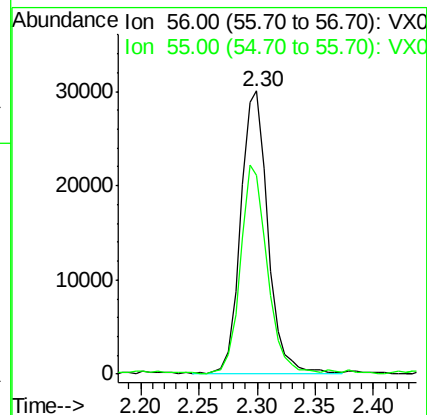
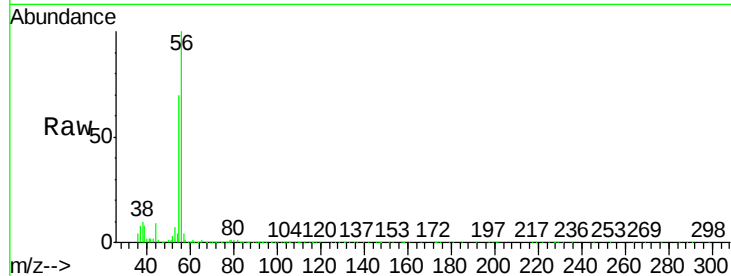
56 100

55 72.8 58.2 87.4

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:24 AM



#14

Allyl chloride

Concen: 18.338 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

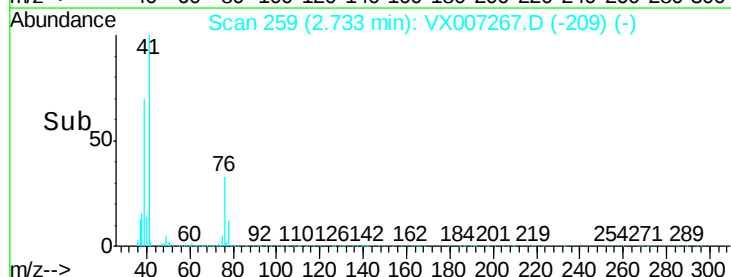
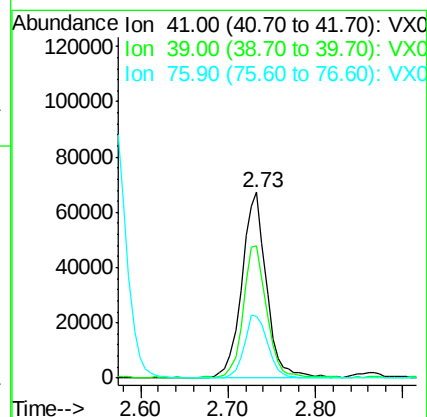
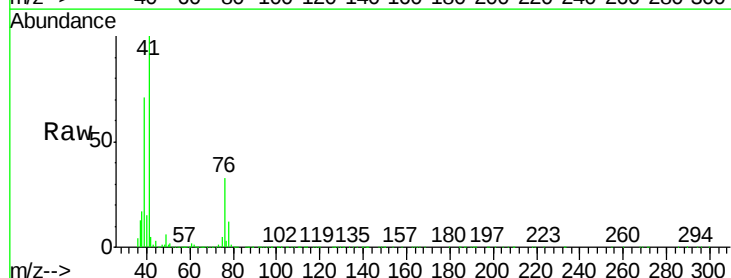
Tgt Ion: 41 Resp: 130098

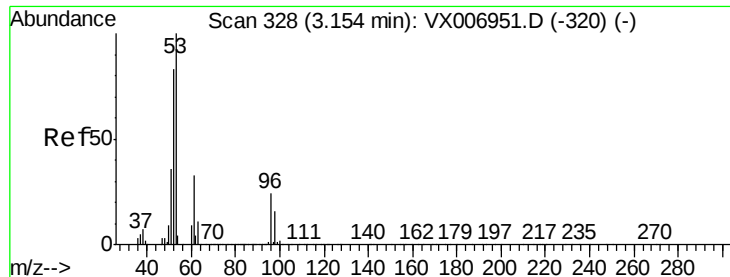
Ion Ratio Lower Upper

41 100

39 68.1 53.6 80.4

76 33.1 27.4 41.2





#15

Acrylonitrile

Concen: 97.467 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

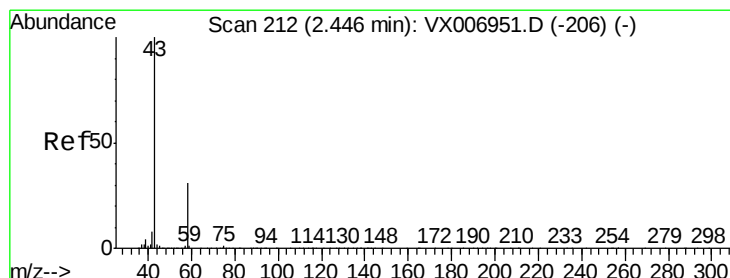
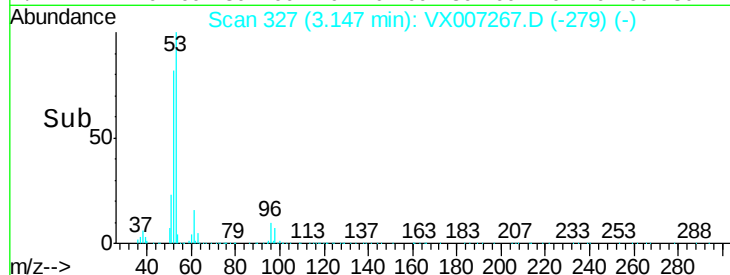
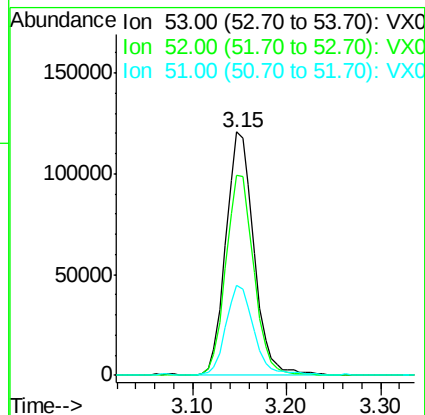
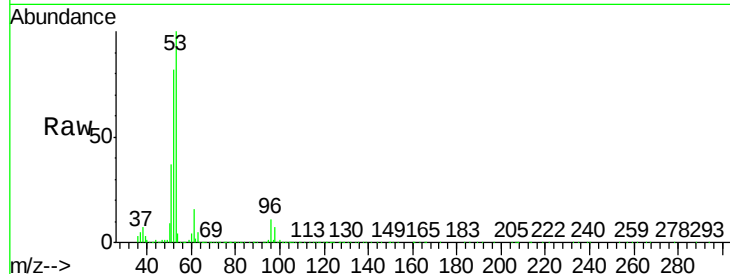
ClientSampleId :

VX0128WBSD01

Tot Ion:	53	Resp:	248438
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.0	99.0
51	36.2	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM



#16

Acetone

Concen: 91.825 ug/l

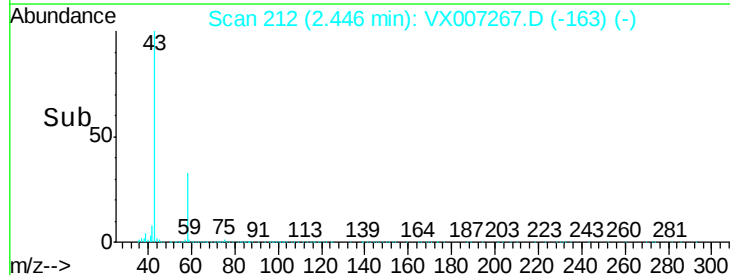
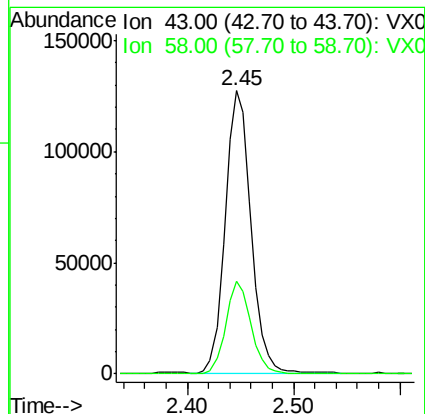
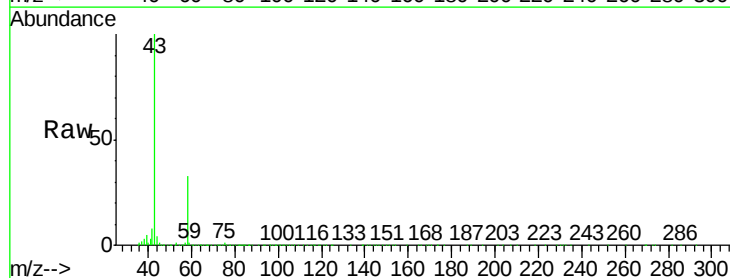
RT: 2.45 min Scan# 212

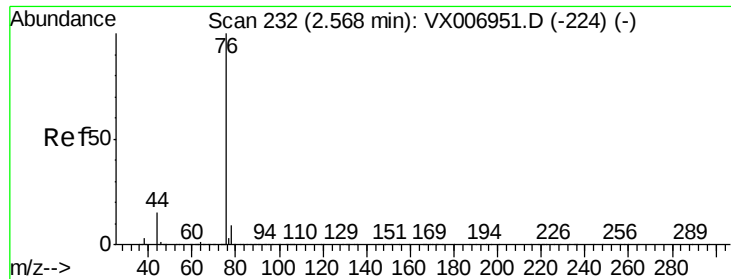
Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tgt Ion:	43	Resp:	213675
Ion Ratio		Lower	Upper
43	100		
58	32.7	25.0	37.6





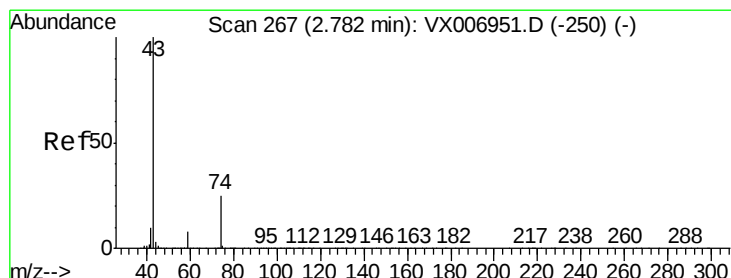
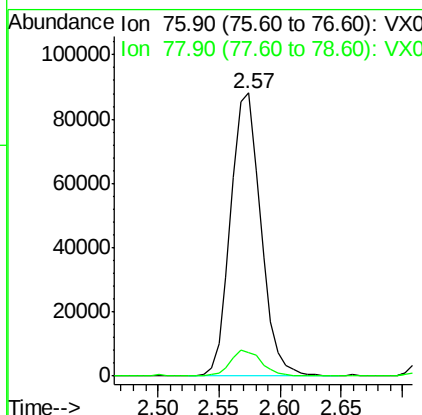
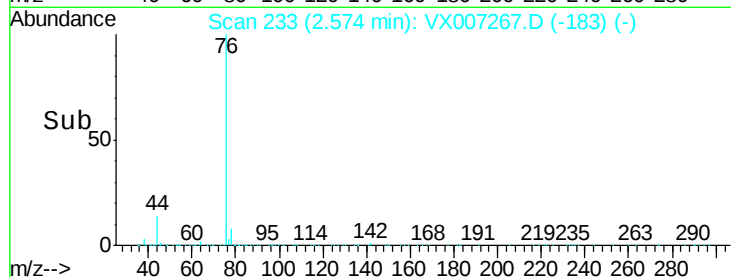
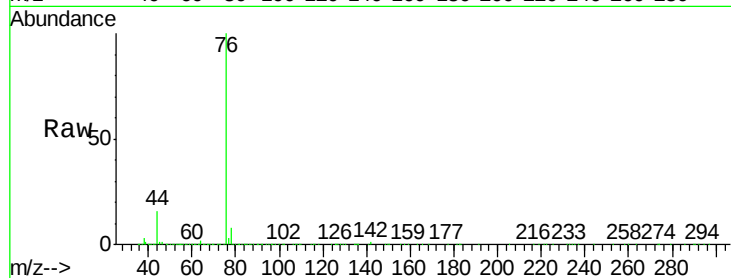
#17
Carbon Disulfide
Concen: 14.178 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.0	10.6

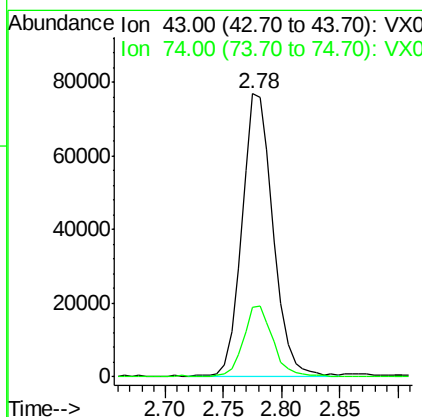
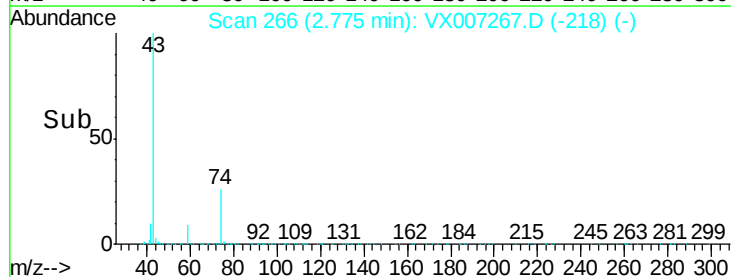
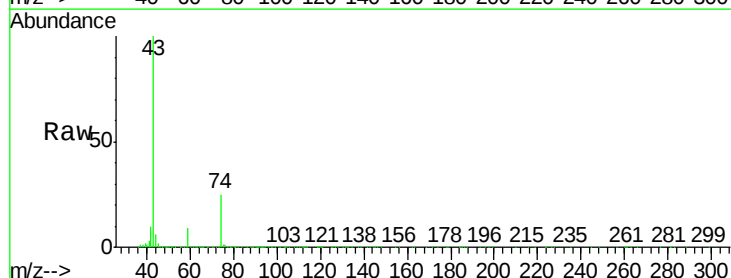
Manual Integrations
APPROVED

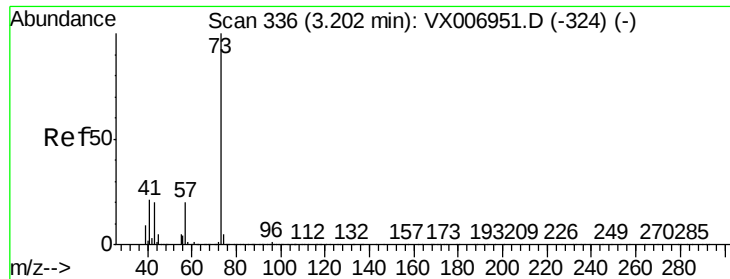
MMDadoda
1/29/2019 9:51:24 AM



#18
Methyl Acetate
Concen: 21.120 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.6	28.0





#19

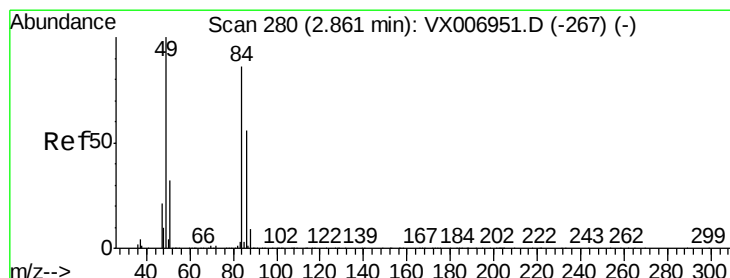
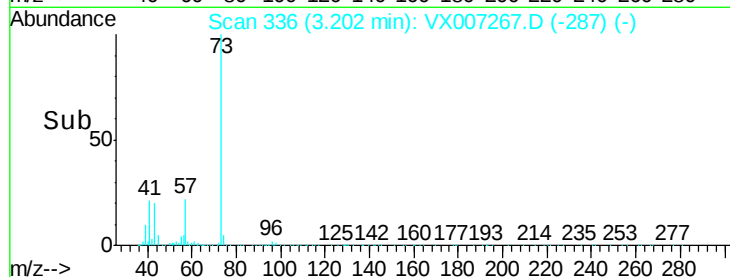
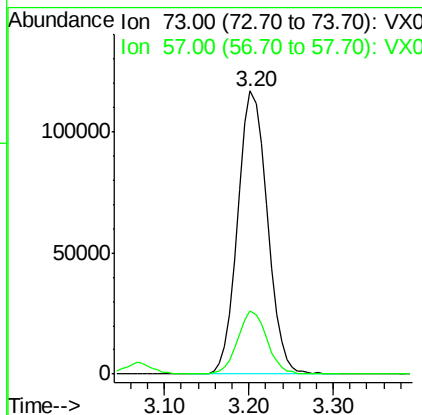
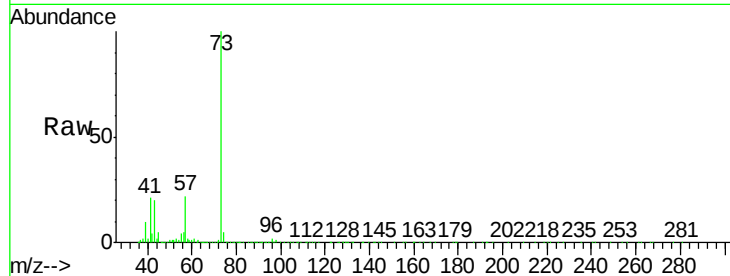
Methyl tert-butyl Ether
 Concen: 19.272 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	16.8	25.2

Manual Integrations
 APPROVED

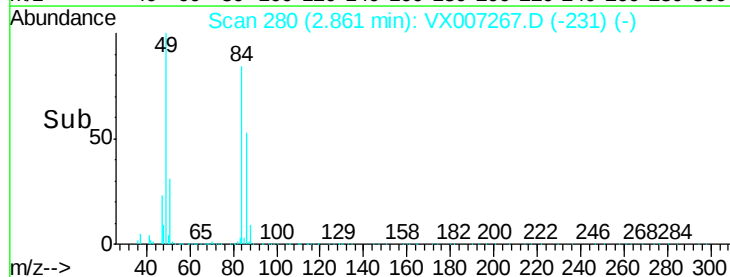
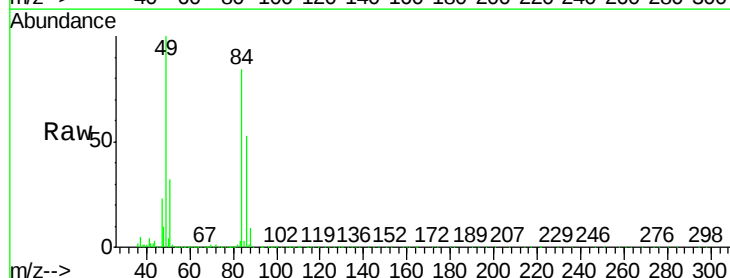
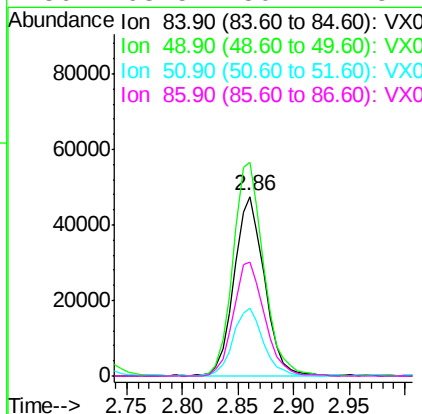
MMDadoda
 1/29/2019 9:51:24 AM

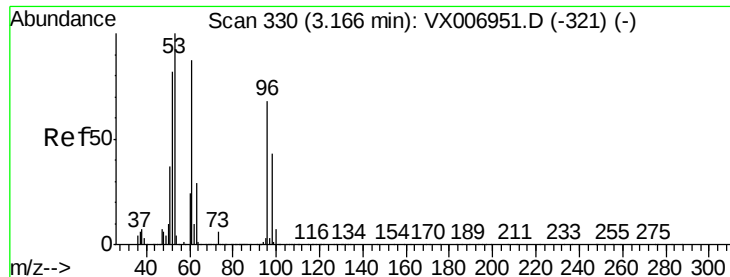


#20

Methylene Chloride
 Concen: 19.618 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.1	91.8	137.6
51	37.6	28.5	42.7
86	63.5	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 17.323 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

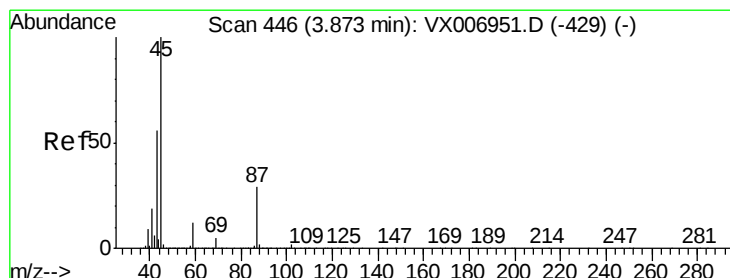
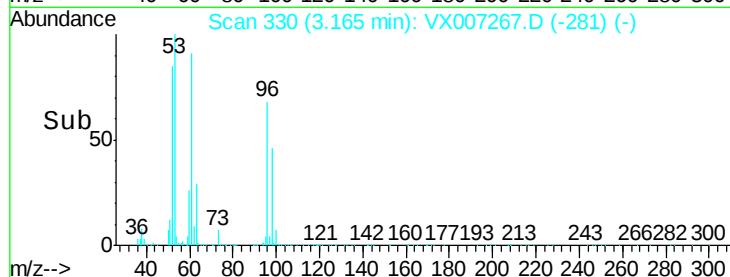
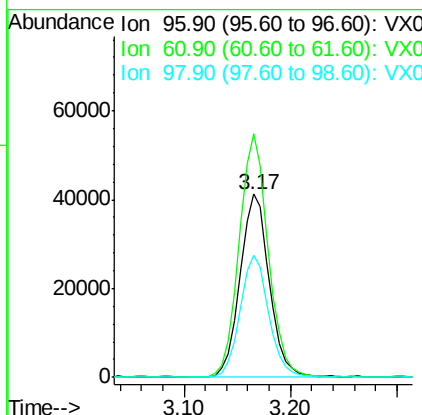
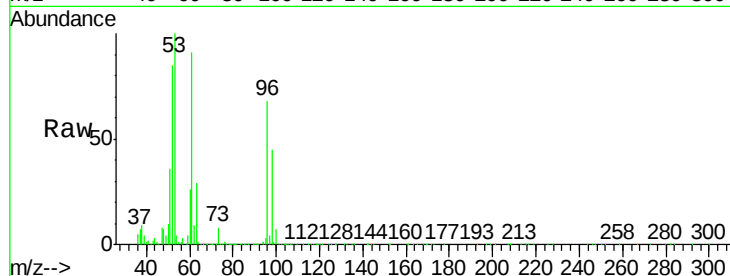
ClientSampleId :

VX0128WBSD01

Tot Ion:	96	Resp:	79912
Ion Ratio	Lower	Upper	
96	100		
61	133.0	103.7	155.5
98	66.7	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM



#22

Diisopropyl ether

Concen: 19.100 ug/l

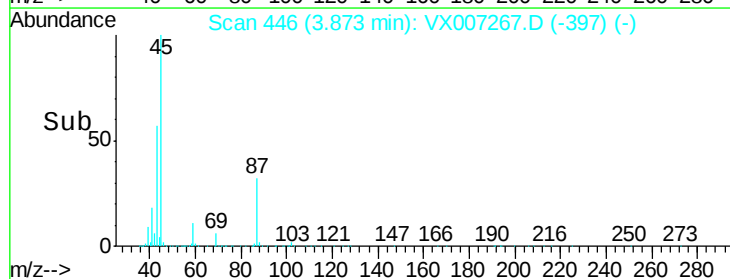
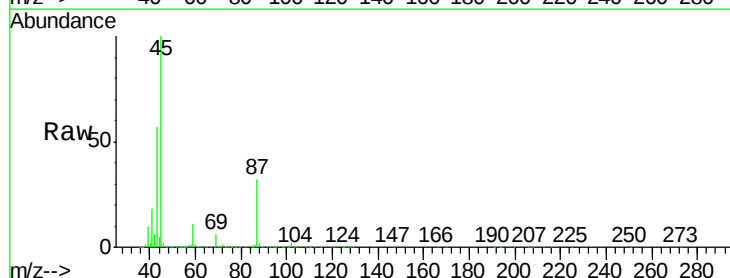
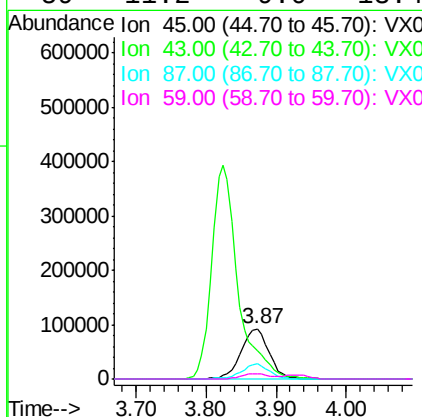
RT: 3.87 min Scan# 446

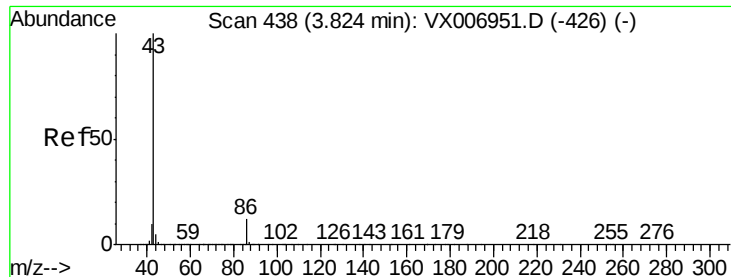
Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tgt Ion:	45	Resp:	254741
Ion Ratio	Lower	Upper	
45	100		
43	56.6	51.2	76.8
87	31.7	25.8	38.6
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 91.285 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 43 Resp: 1026722

Ion Ratio Lower Upper

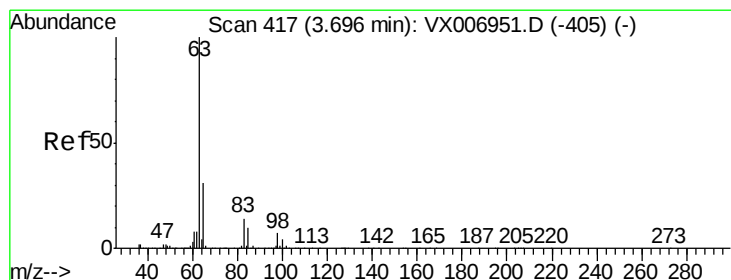
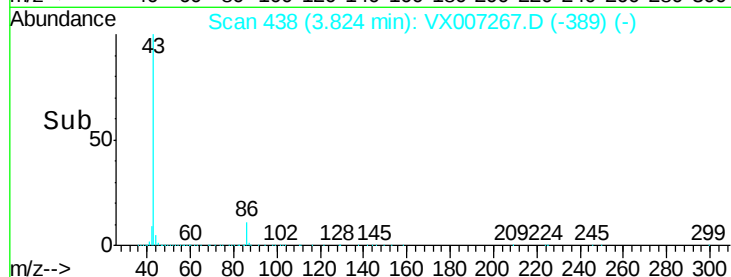
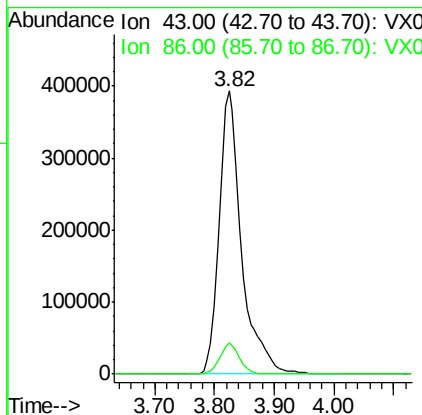
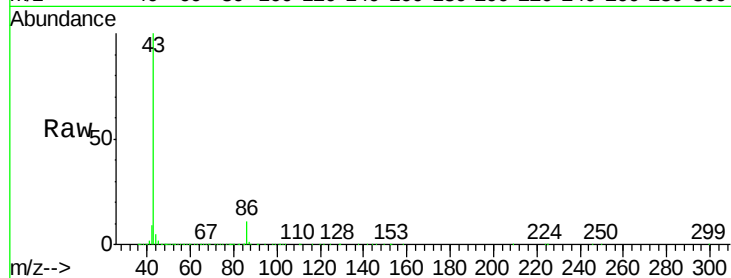
43 100

86 10.8 9.2 13.8

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:24 AM



#24

1,1-Dichloroethane

Concen: 18.977 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

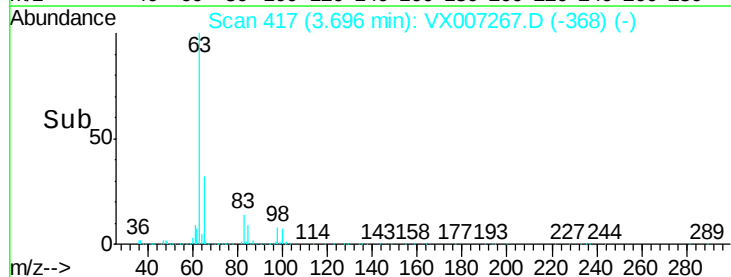
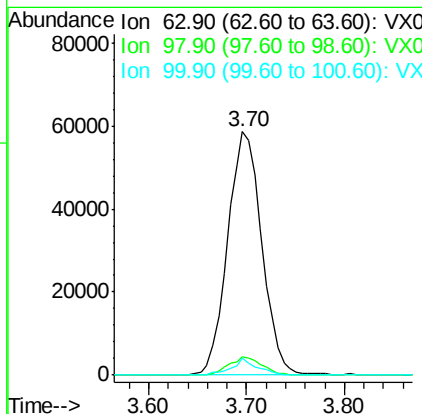
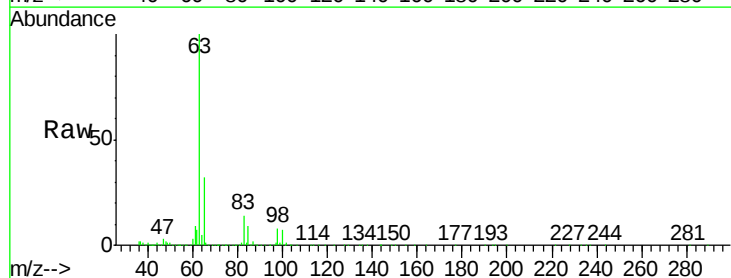
Tgt Ion: 63 Resp: 141520

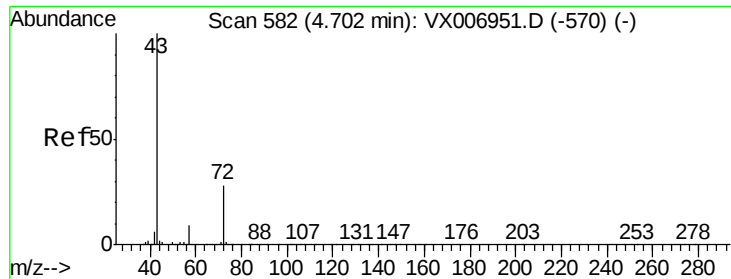
Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.5

100 6.8 2.4 7.2





#25

2-Butanone

Concen: 94.737 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 43 Resp: 315435

Ion Ratio Lower Upper

43 100

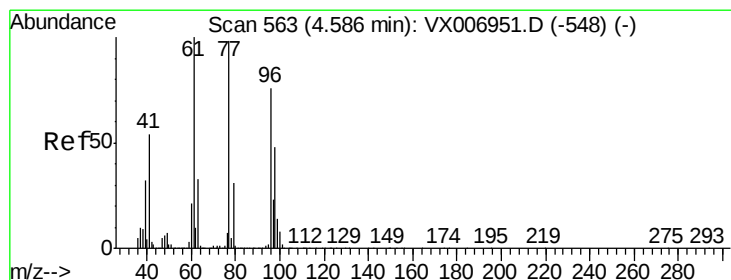
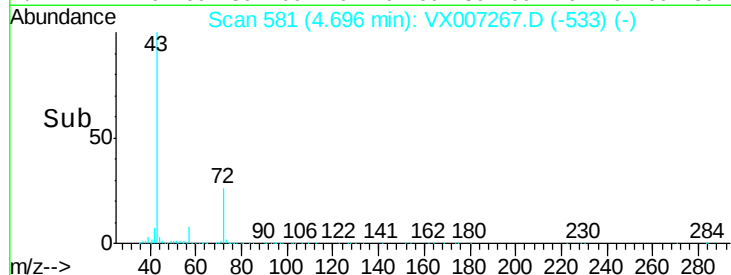
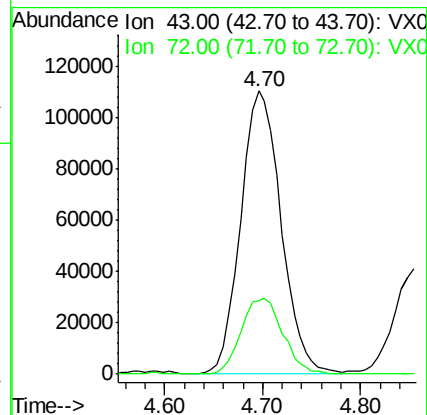
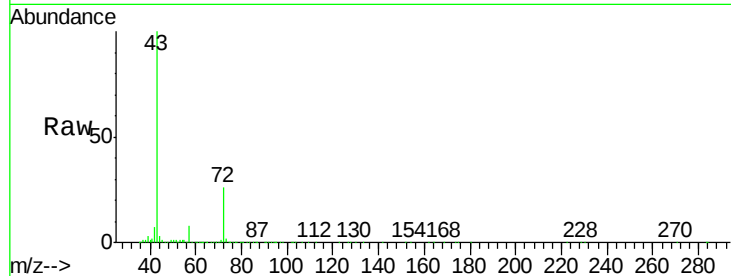
72 26.0 22.4 33.6

Manual Integrations

APPROVED

MMDadoda

1/29/2019 9:51:24 AM



#26

2,2-Dichloropropane

Concen: 16.571 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX007267.D

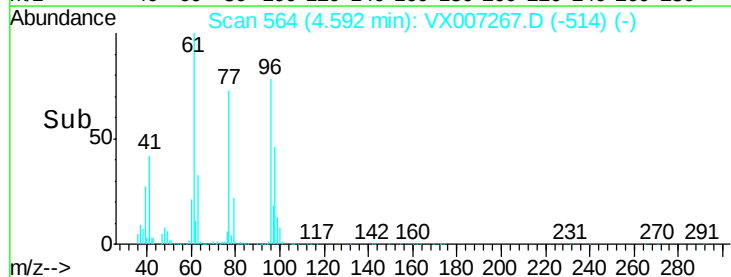
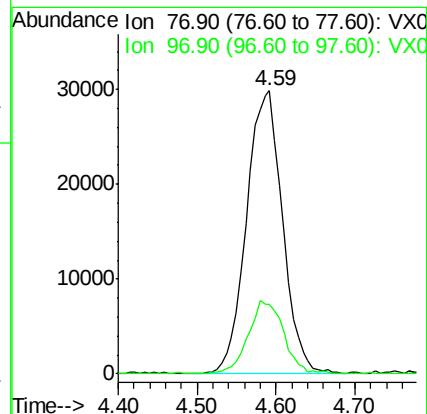
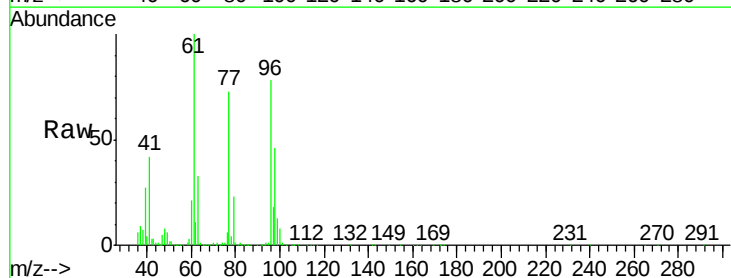
Acq: 28 Jan 2019 18:12

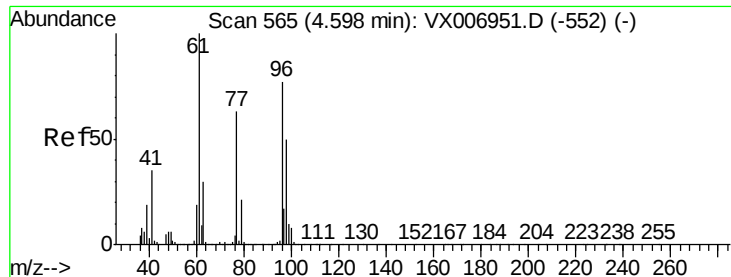
Tgt Ion: 77 Resp: 95027

Ion Ratio Lower Upper

77 100

97 25.3 12.4 37.4





#27

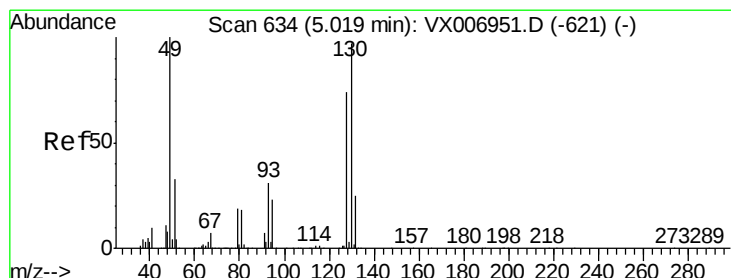
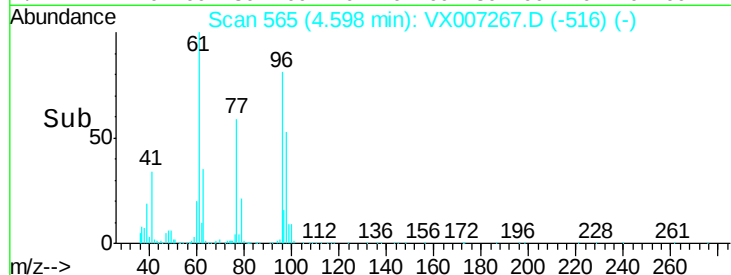
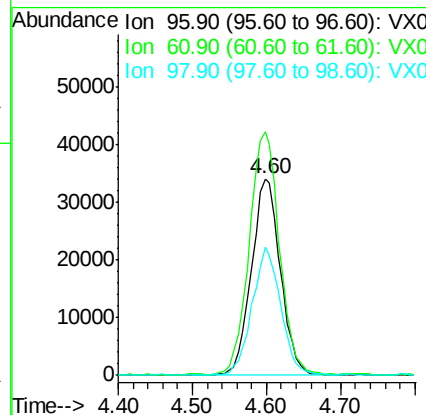
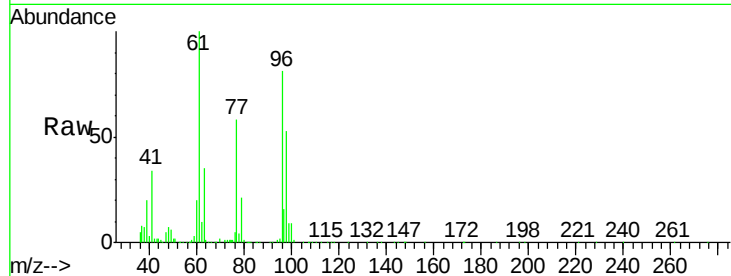
cis-1,2-Dichloroethene
Concen: 18.360 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.8	0.0	258.6
98	64.5	0.0	132.0

Manual Integrations
APPROVED

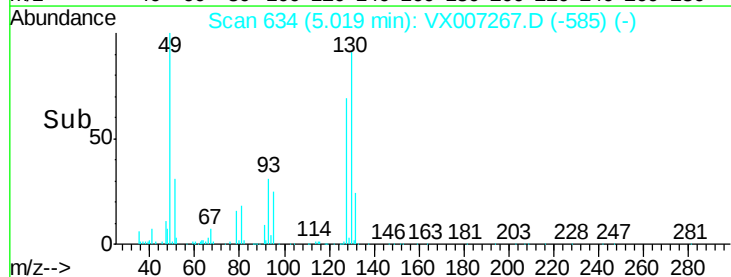
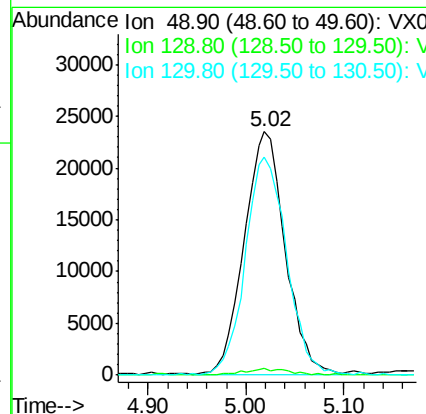
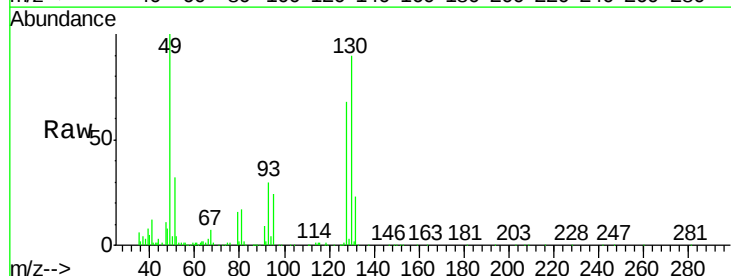
MMDadoda
1/29/2019 9:51:24 AM

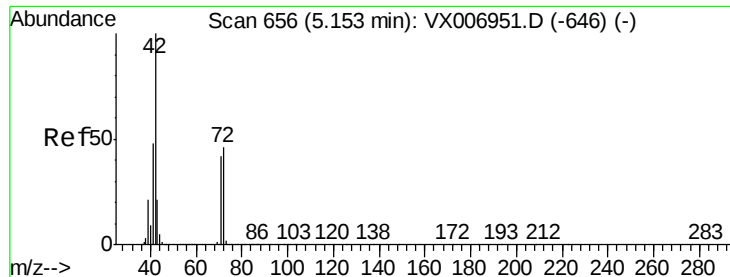


#28

Bromochloromethane
Concen: 21.048 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	90.0	77.7	116.5





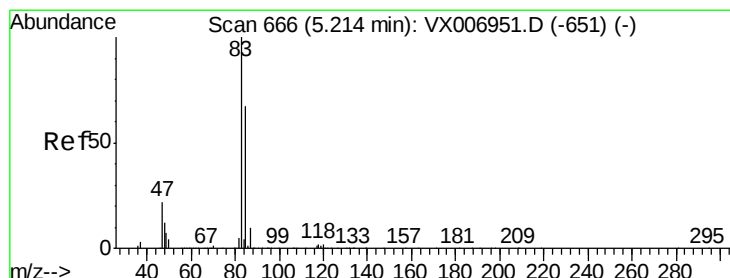
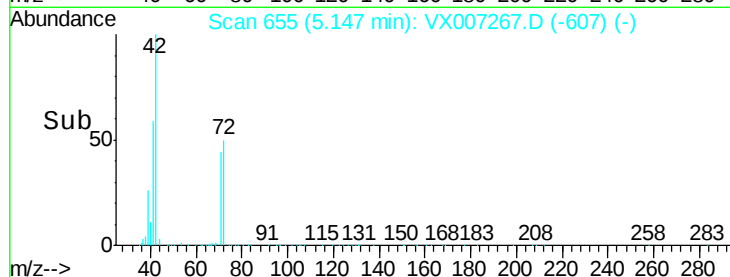
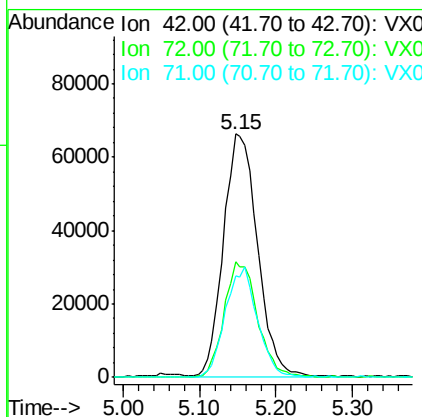
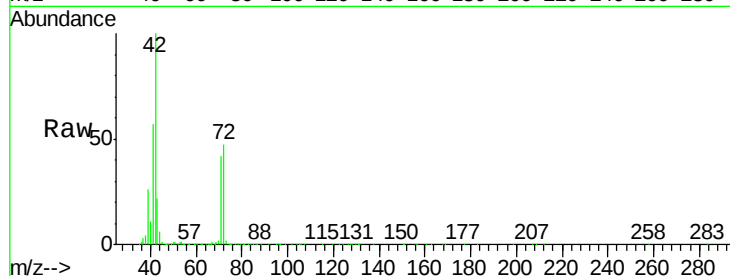
#29
Tetrahydrofuran
Concen: 94.283 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.9	58.3
71	42.9	36.2	54.4

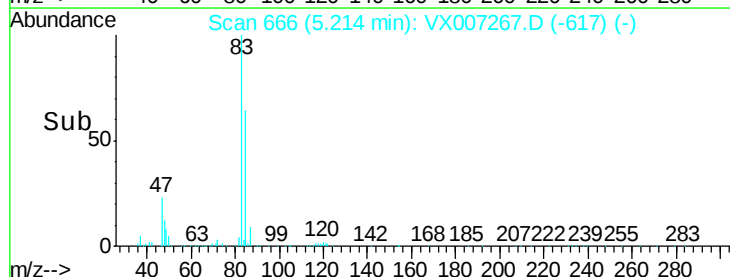
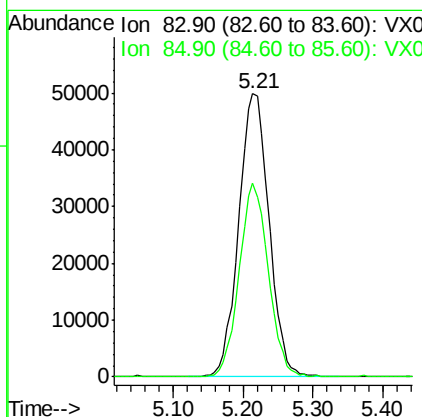
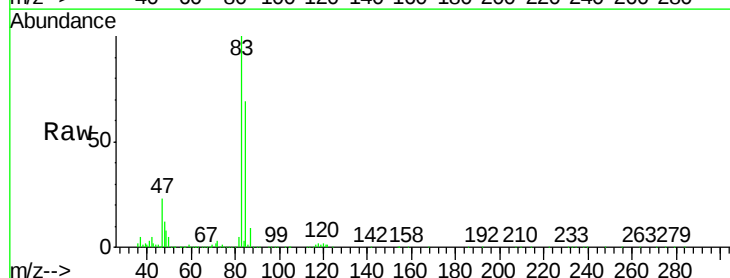
Manual Integrations
APPROVED

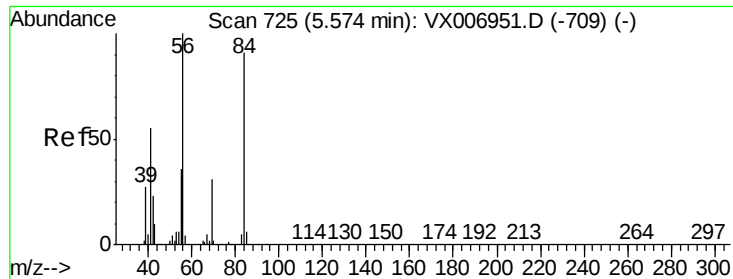
MMDadoda
1/29/2019 9:51:24 AM



#30
Chloroform
Concen: 19.233 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	51.2	76.8





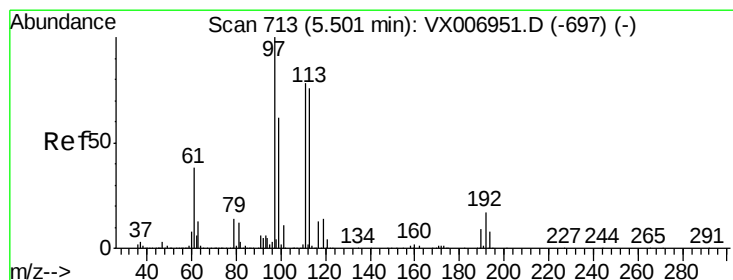
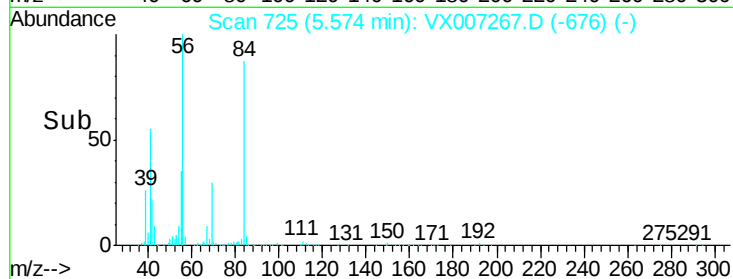
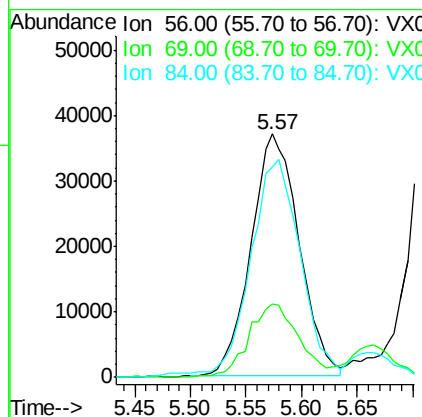
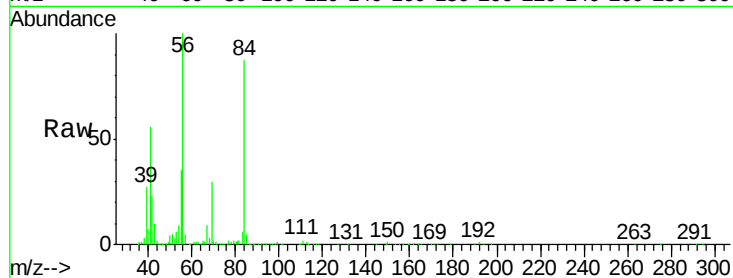
#31
Cyclohexane
Concen: 16.726 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.4	36.6
84	85.3	70.0	105.0

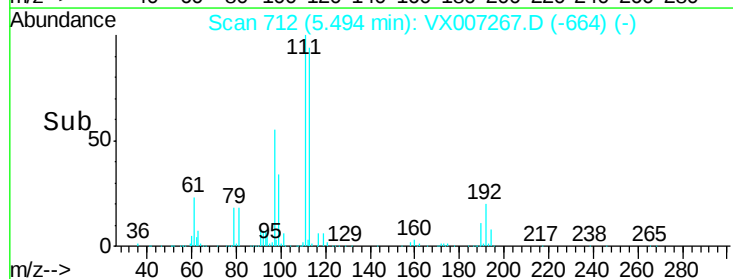
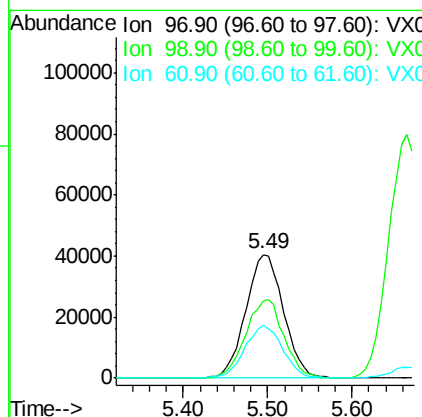
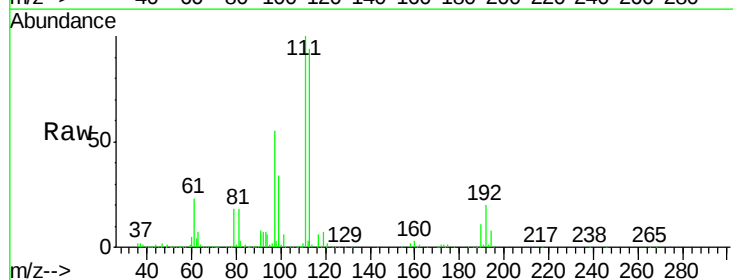
Manual Integrations
APPROVED

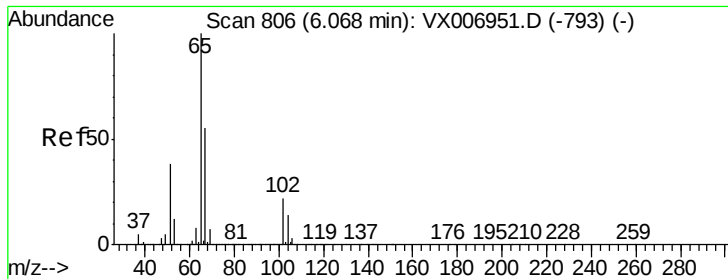
MMDadoda
1/29/2019 9:51:24 AM



#32
1,1,1-Trichloroethane
Concen: 18.593 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	42.6	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 51.831 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 65 Resp: 243967

Ion Ratio Lower Upper

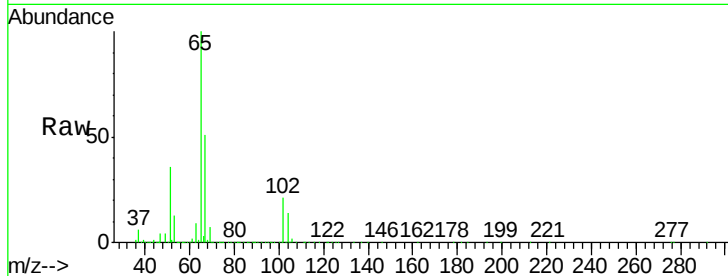
65 100

67 53.4 0.0 105.0

Manual Integrations
APPROVED

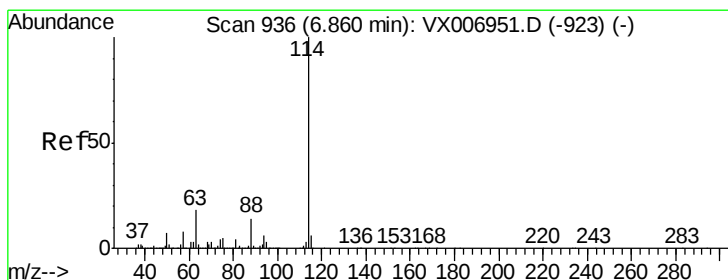
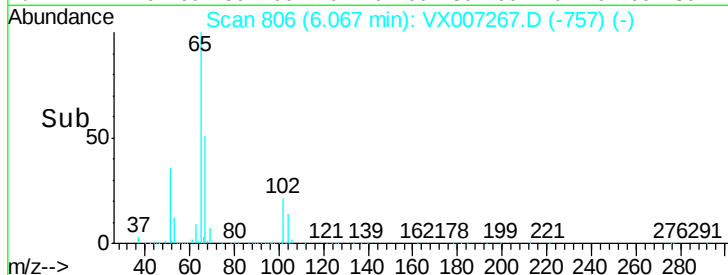
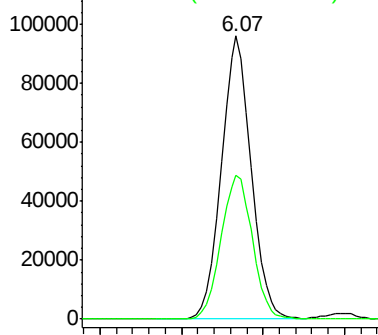
MMDadoda

1/29/2019 9:51:24 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: VX007267.D

Acq: 28 Jan 2019 18:12

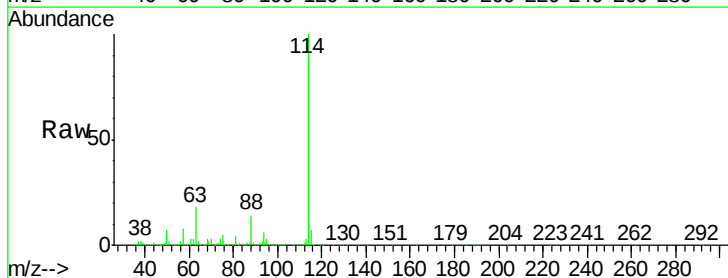
Tgt Ion: 114 Resp: 656114

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.8

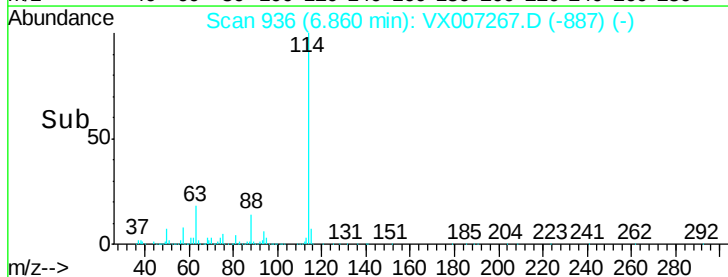
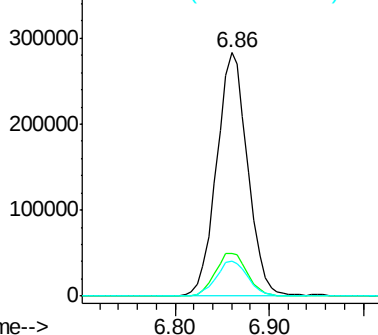
88 14.2 0.0 28.8

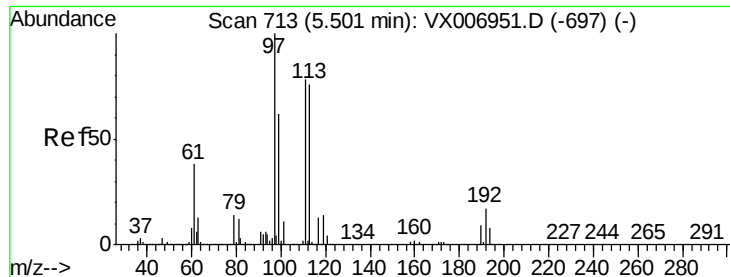


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.122 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

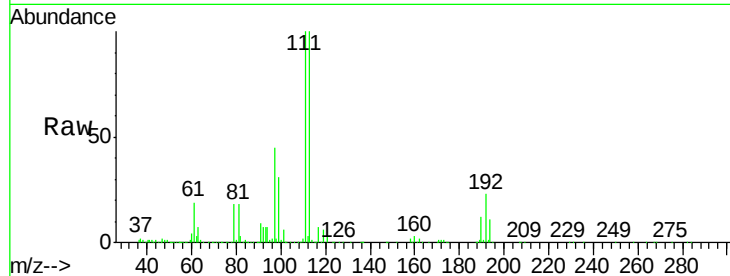
ClientSampleId :

VX0128WBSD01

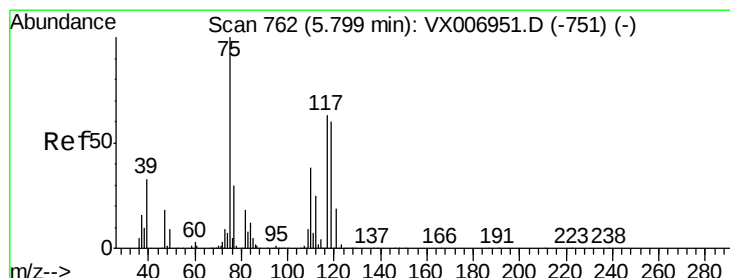
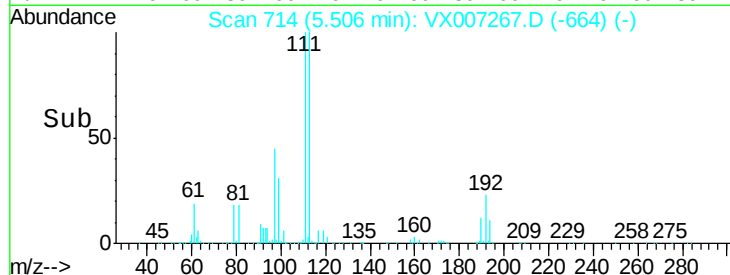
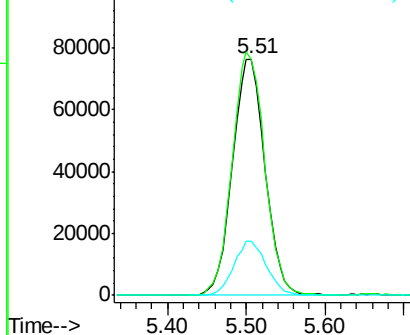
Tot Ion:	113	Resp:	219001
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.6	122.4
192	22.9	16.7	25.1

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.510 ug/l

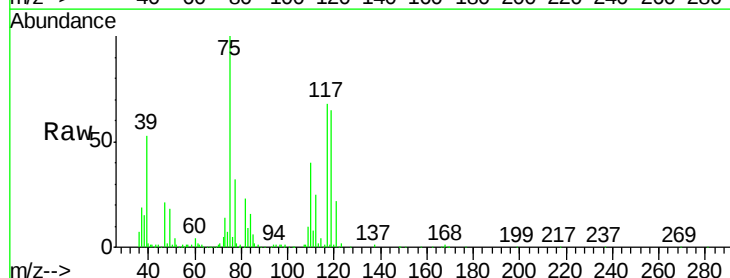
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

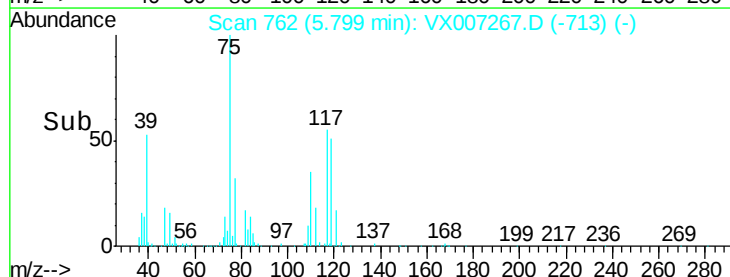
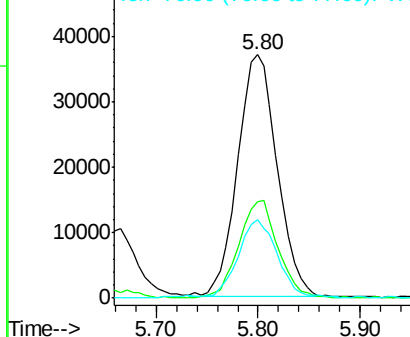
Lab File: VX007267.D

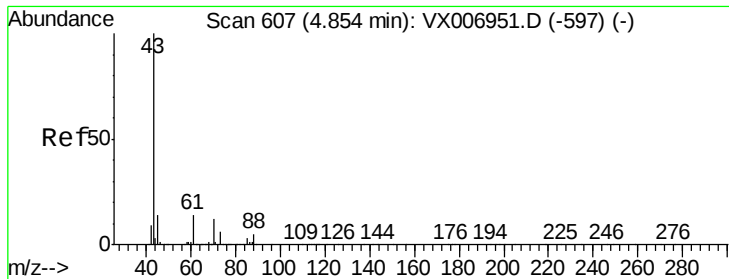
Acq: 28 Jan 2019 18:12

Tgt Ion:	75	Resp:	99881
Ion Ratio	Lower	Upper	
75	100		
110	40.2	20.2	60.5
77	32.3	24.8	37.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





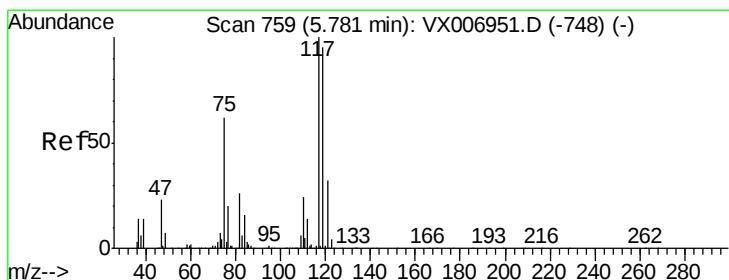
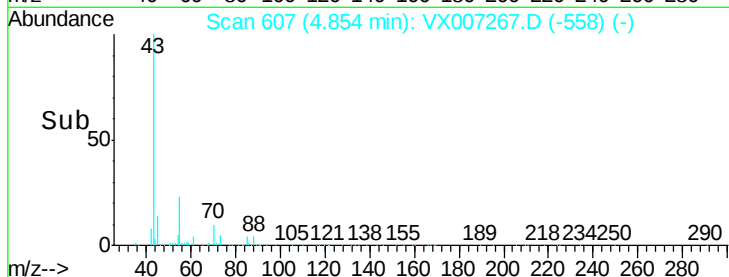
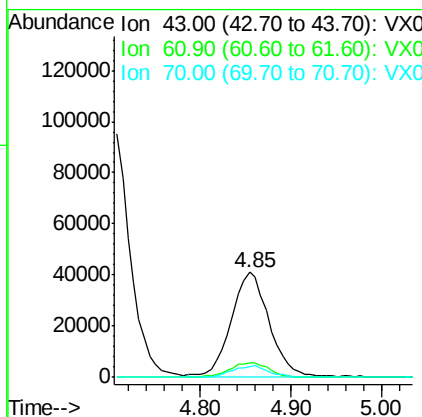
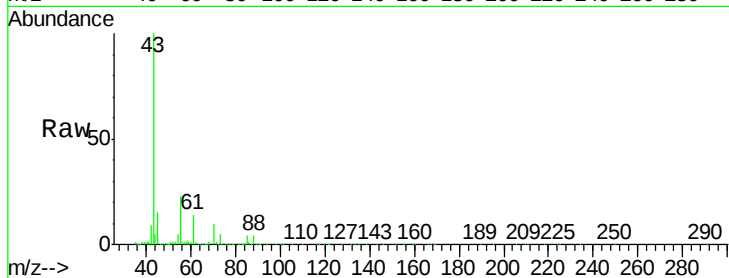
#37
Ethyl Acetate
Concen: 19.169 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

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

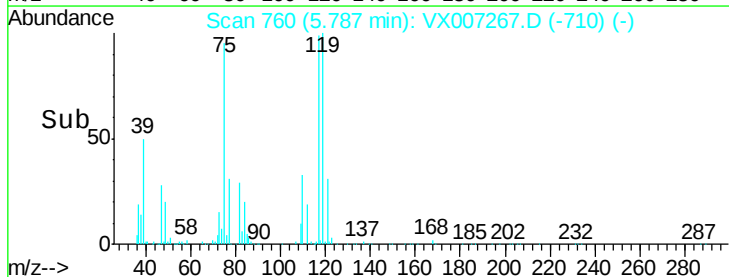
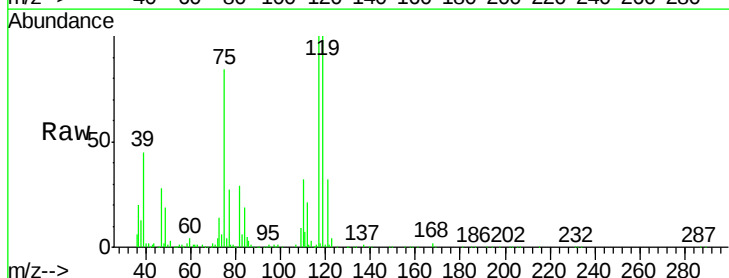
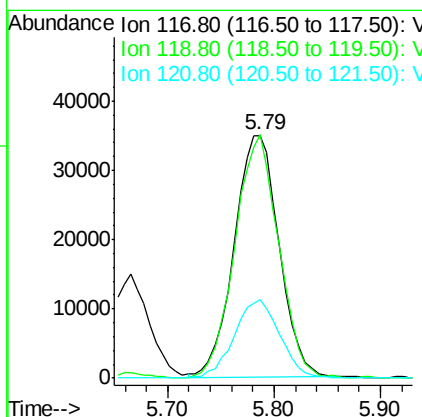
Manual Integrations
APPROVED

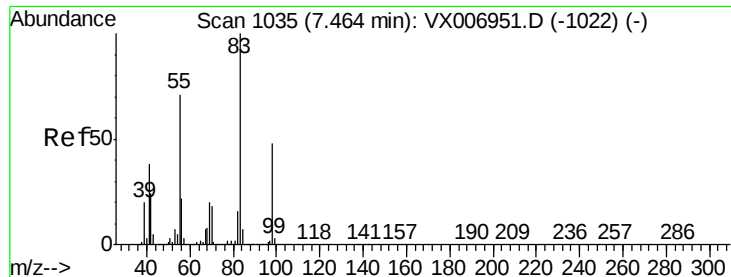
MMDadoda
1/29/2019 9:51:24 AM



#38
Carbon Tetrachloride
Concen: 17.952 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.4	79.4	119.2
121	32.0	24.0	36.0





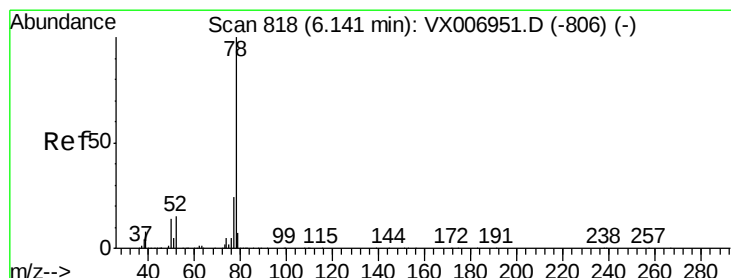
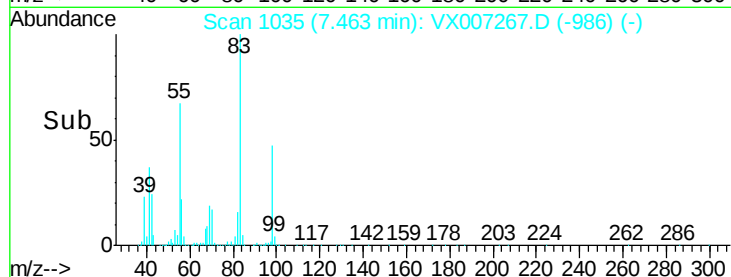
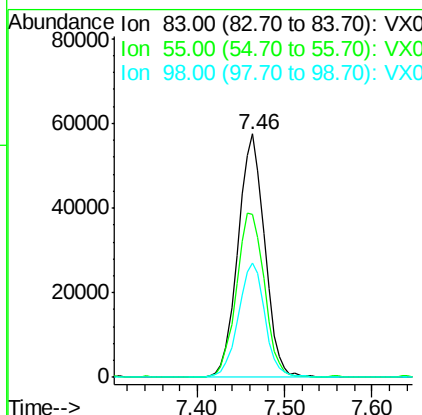
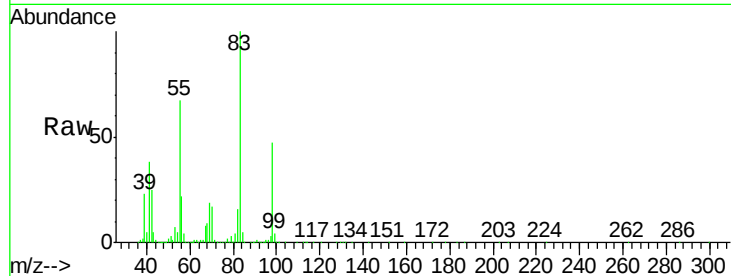
#39
Methvlcvclohexane
Concen: 16.835 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122426		
55	66.7	54.9	82.3	
98	47.1	37.9	56.9	

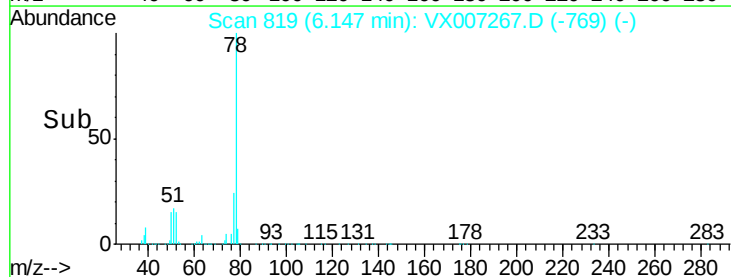
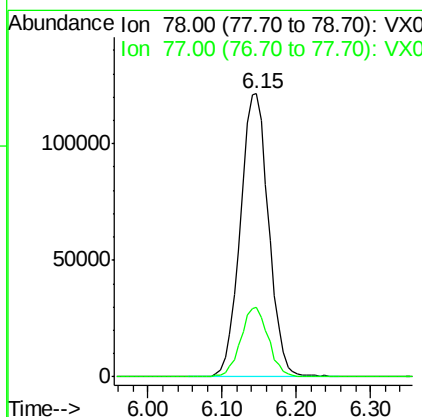
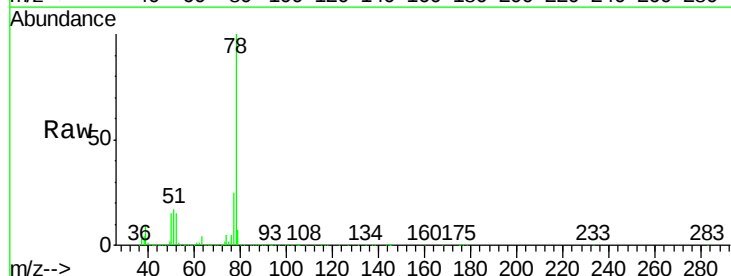
Manual Integrations
APPROVED

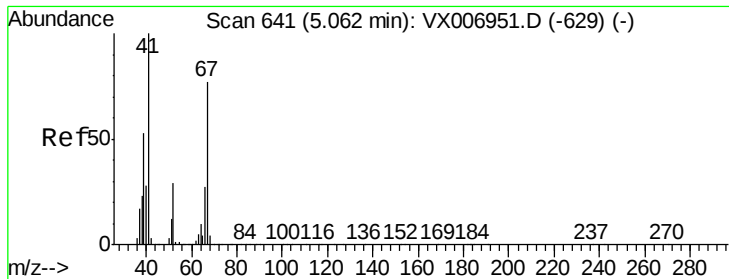
MMDadoda
1/29/2019 9:51:24 AM



#40
Benzene
Concen: 18.669 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	324956		
77	24.8	19.2	28.8	





#41

Methacrylonitrile

Concen: 18.659 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

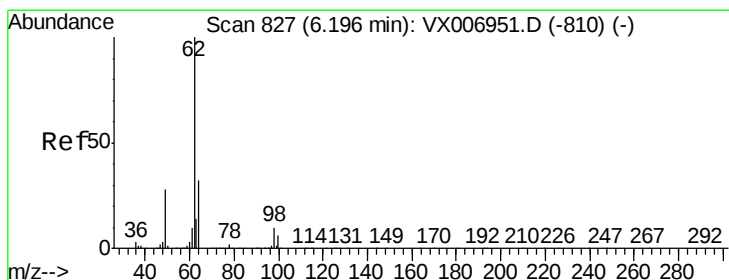
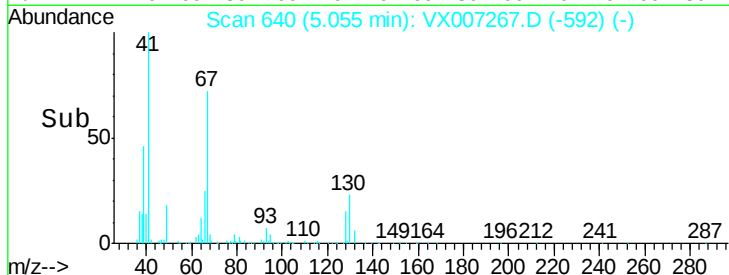
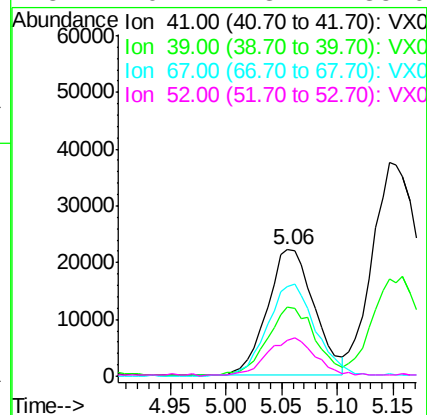
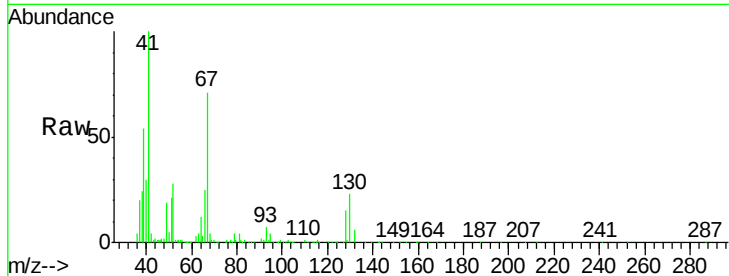
ClientSampleId :

VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.8	64.2
67	74.6	62.1	93.1
52	29.7	23.4	35.0

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM



#42

1,2-Dichloroethane

Concen: 18.953 ug/l

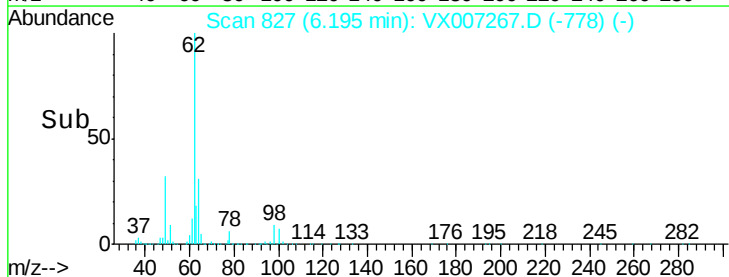
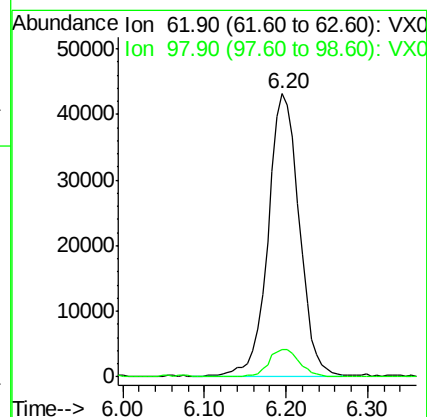
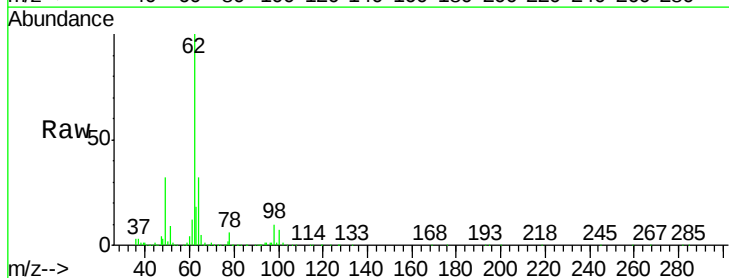
RT: 6.20 min Scan# 827

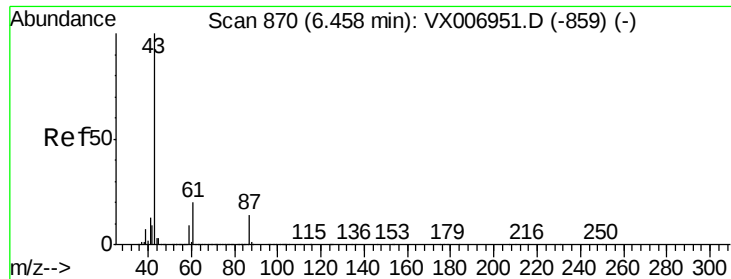
Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.2





#43

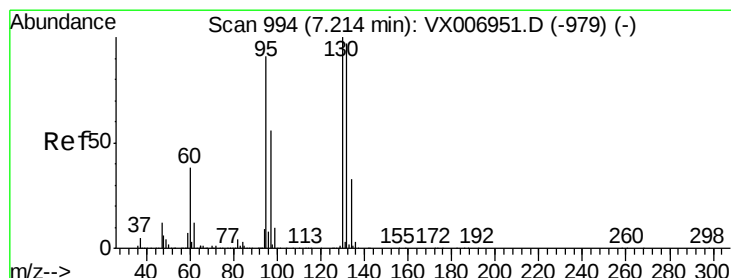
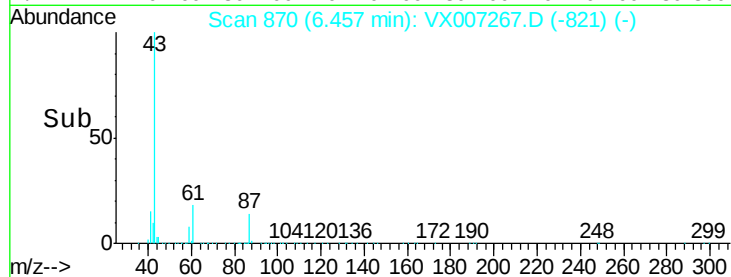
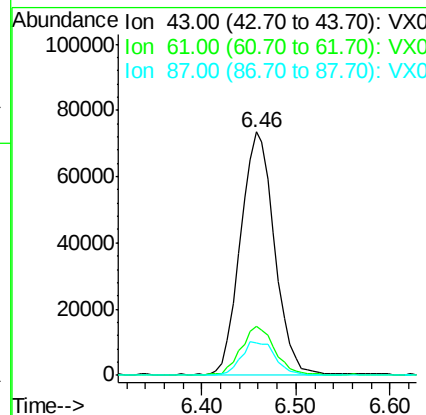
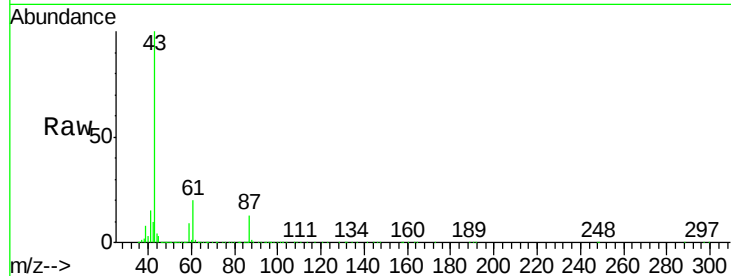
Isopropyl Acetate
 Concen: 19.099 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.8	25.2
87	13.8	12.4	18.6

Manual Integrations
 APPROVED

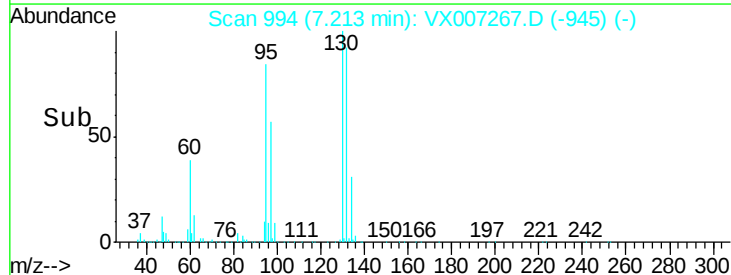
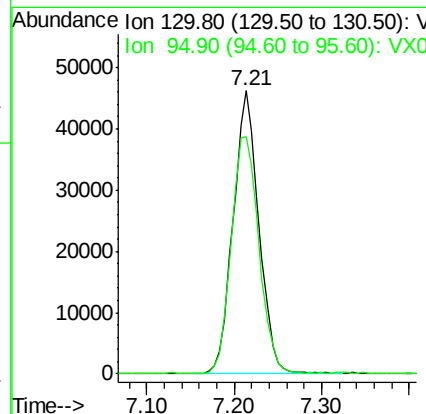
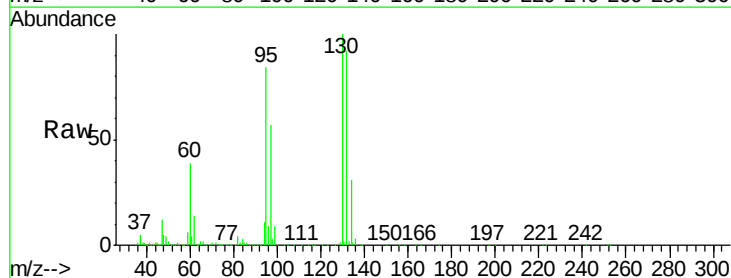
MMDadoda
 1/29/2019 9:51:24 AM

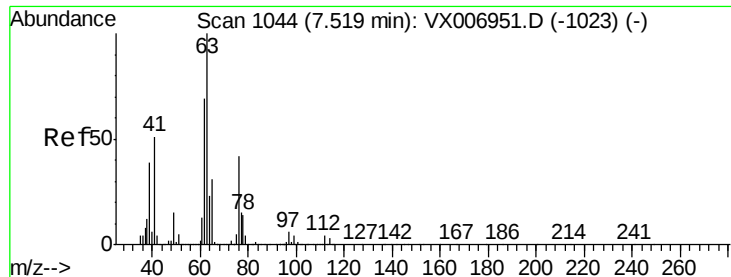


#44

Trichloroethene
 Concen: 18.142 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.8	0.0	187.0





#45

1,2-Dichloropropane

Concen: 19.662 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 63 Resp: 86040

Ion Ratio Lower Upper

63 100

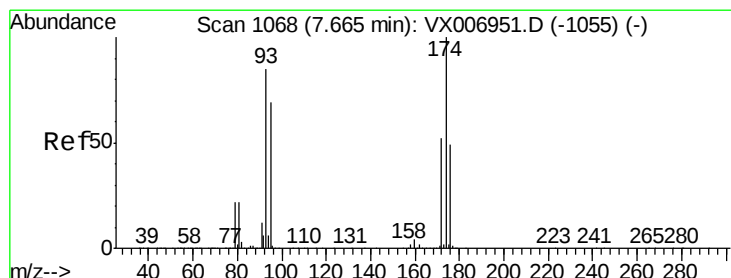
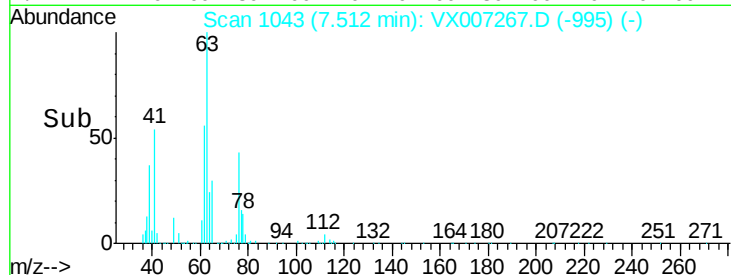
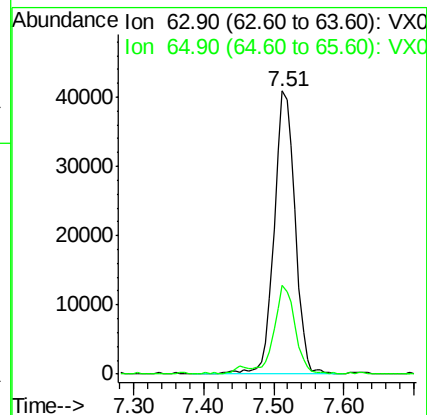
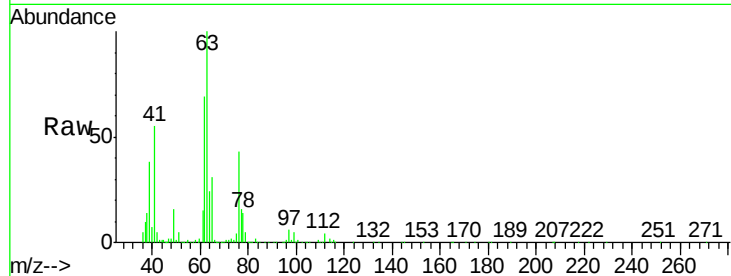
65 31.2 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

1/29/2019 9:51:24 AM



#46

Dibromomethane

Concen: 19.711 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

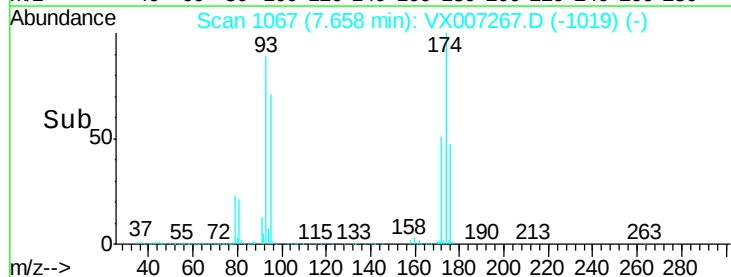
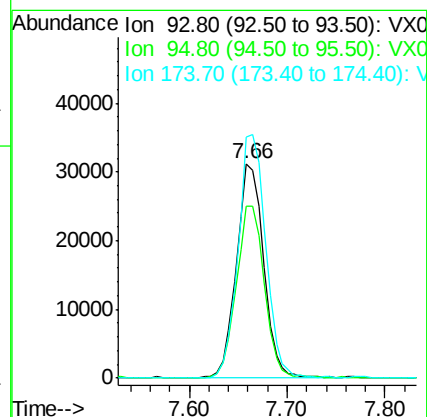
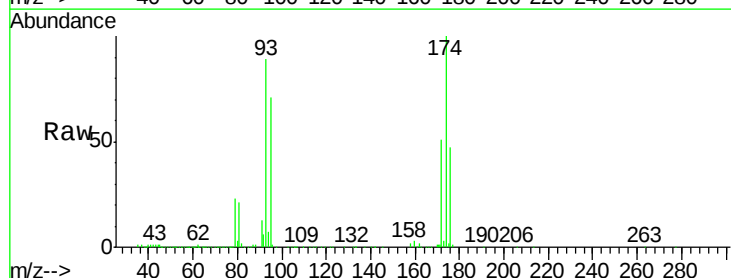
Tgt Ion: 93 Resp: 60620

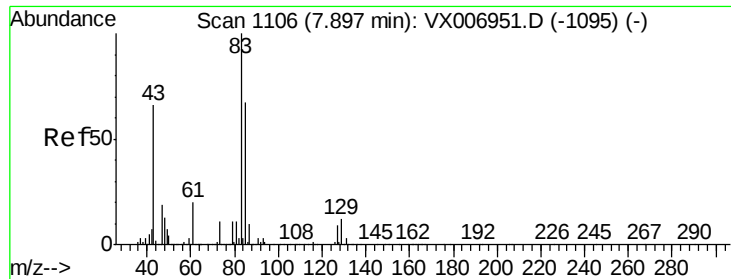
Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.4

174 115.1 91.0 136.4





#47

Bromodichloromethane

Concen: 19.942 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

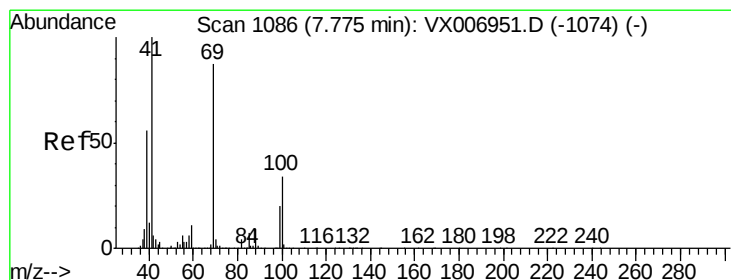
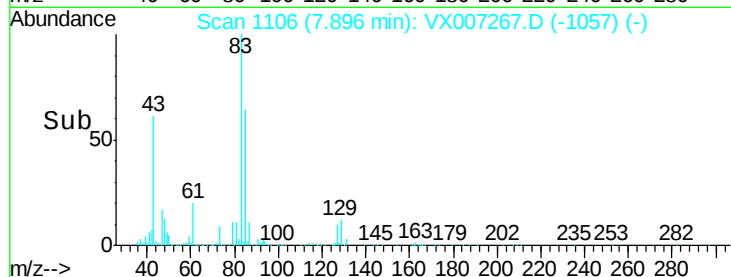
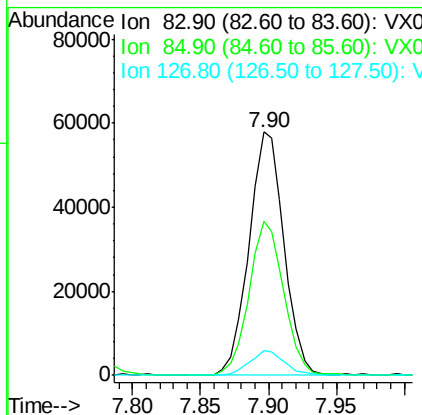
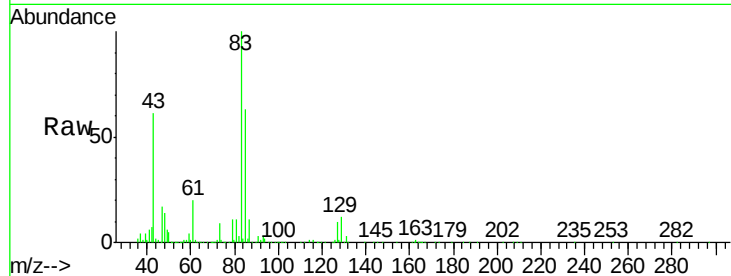
ClientSampleId :

VX0128WBSD01

Tot Ion:	83	Resp:	104392
Ion	Ratio	Lower	Upper
83	100		
85	63.2	53.2	79.8
127	10.3	7.8	11.6

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM



#48

Methyl methacrylate

Concen: 19.569 ug/l

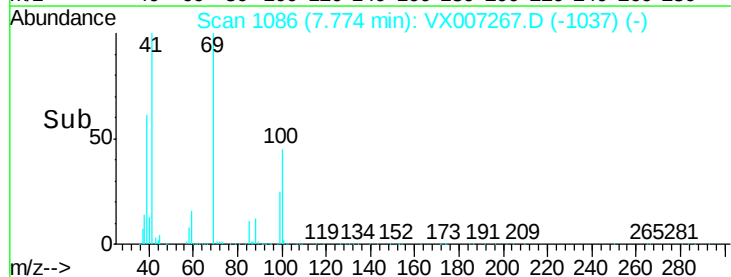
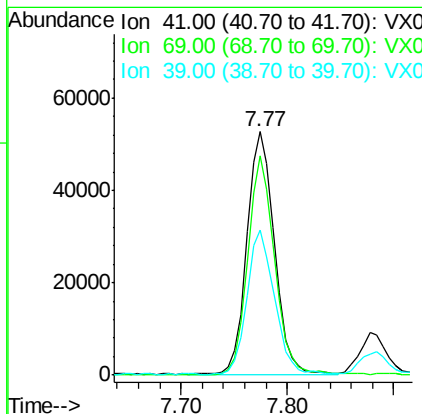
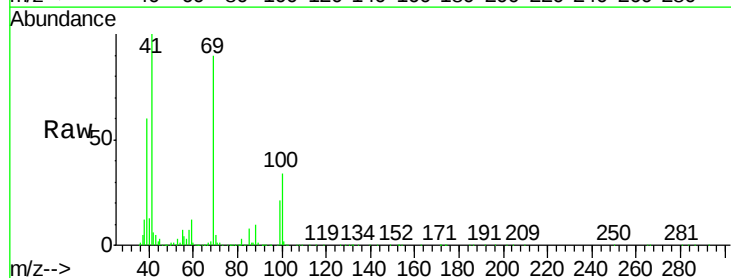
RT: 7.77 min Scan# 1086

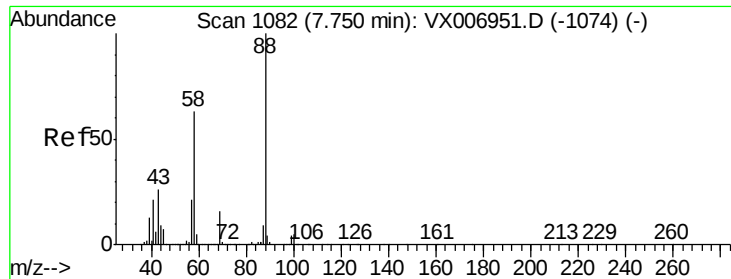
Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tgt Ion:	41	Resp:	96943
Ion	Ratio	Lower	Upper
41	100		
69	87.3	72.4	108.6
39	58.3	45.8	68.8





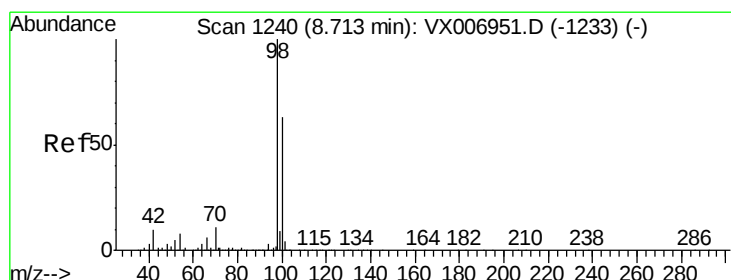
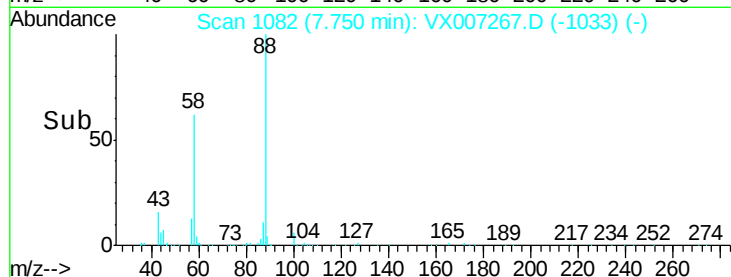
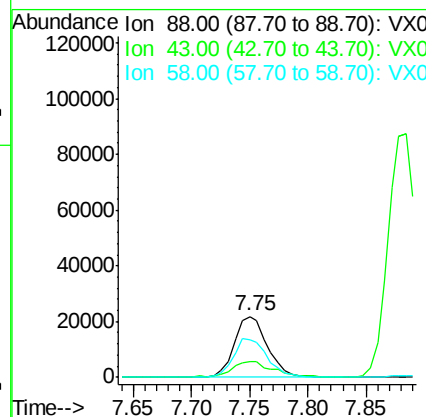
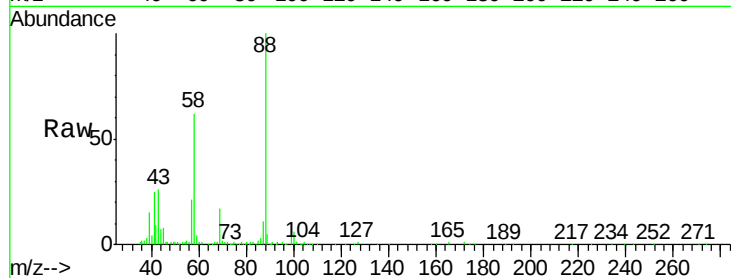
#49
1,4-Dioxane
Concen: 376.285 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	22.2	33.4
58	65.8	51.0	76.4

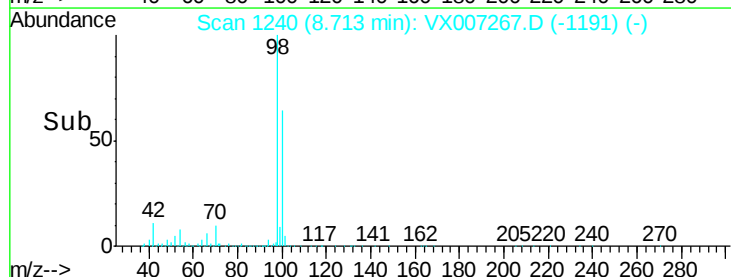
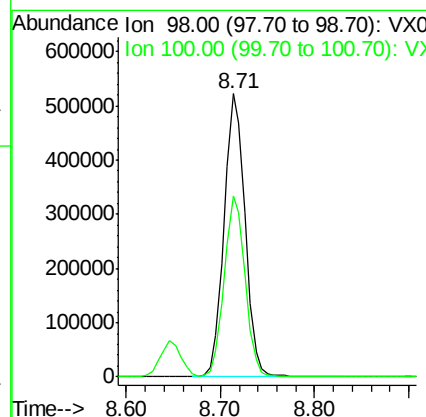
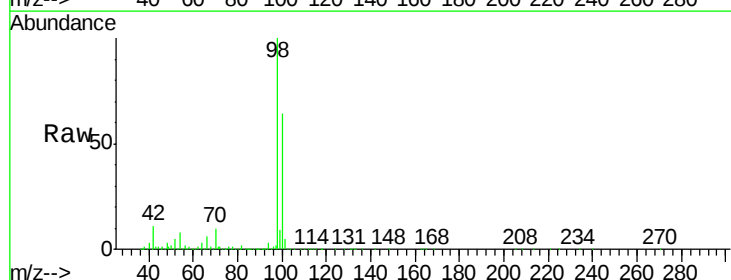
Manual Integrations
APPROVED

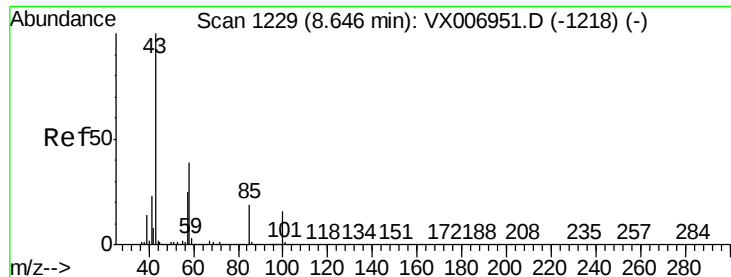
MMDadoda
1/29/2019 9:51:24 AM



#50
Toluene-d8
Concen: 52.455 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 103.124 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 43 Resp: 639310

Ion Ratio Lower Upper

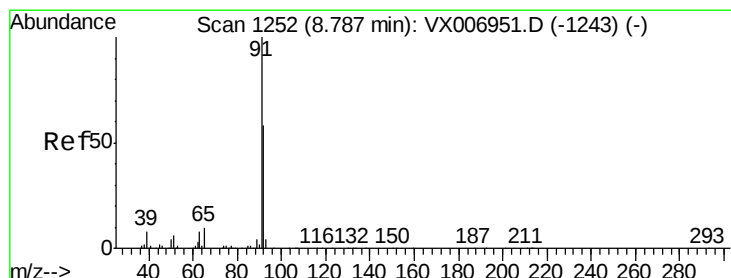
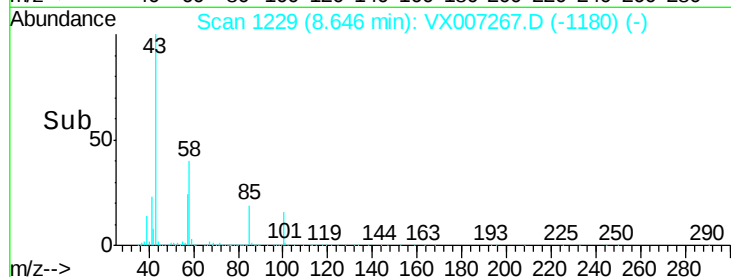
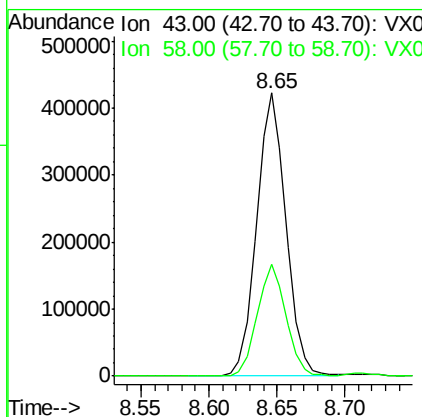
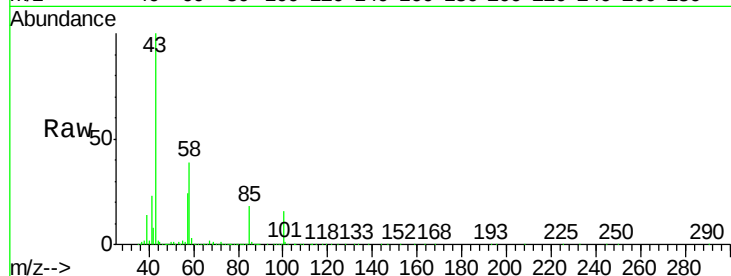
43 100

58 38.8 31.8 47.6

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:24 AM



#52

Toluene

Concen: 18.558 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007267.D

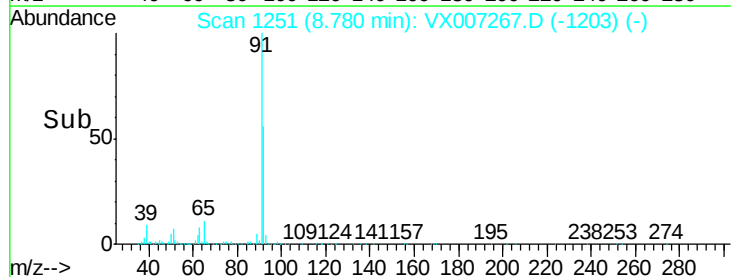
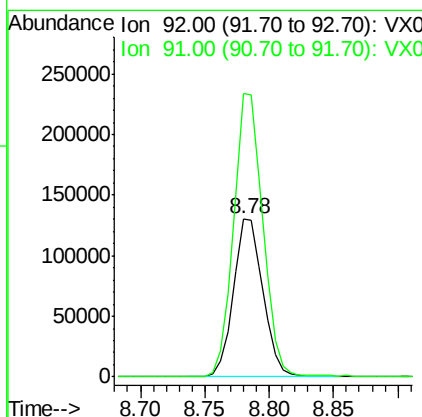
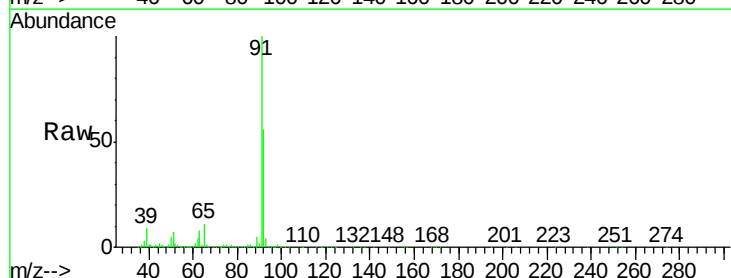
Acq: 28 Jan 2019 18:12

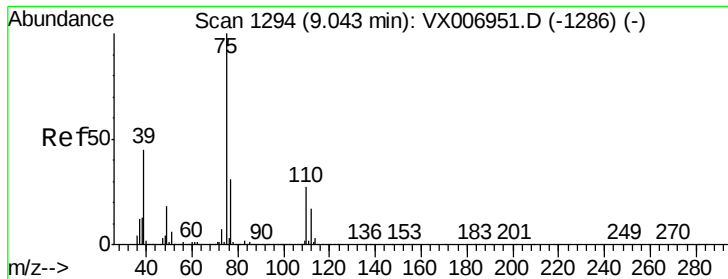
Tgt Ion: 92 Resp: 207615

Ion Ratio Lower Upper

92 100

91 178.5 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 18.313 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tot Ion: 75 Resp: 106299

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

Instrument :

MSVOA_X

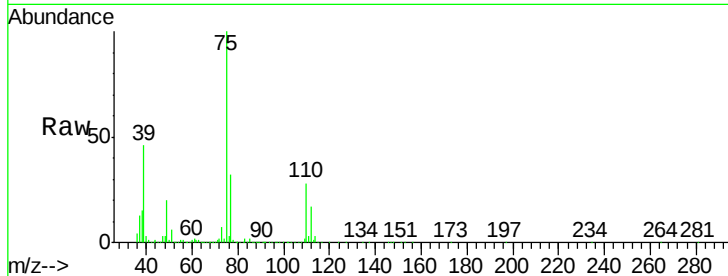
ClientSampleId :

VX0128WBSD01

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:24 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

80000

60000

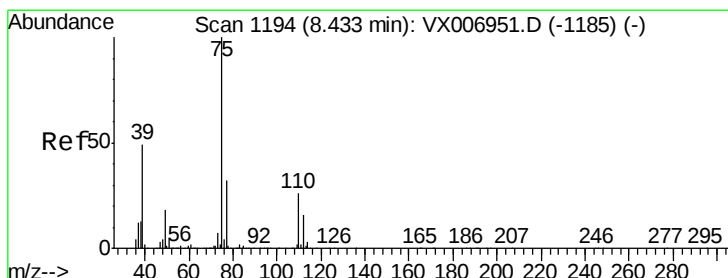
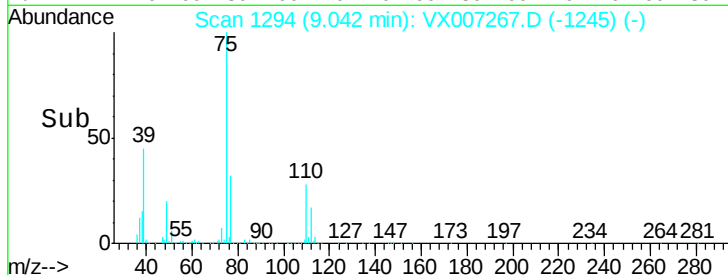
40000

20000

0

Time-->

8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 18.911 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

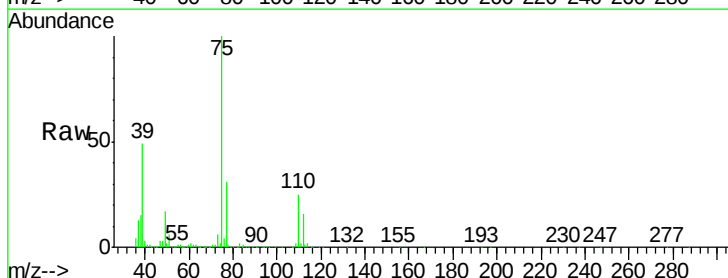
Tgt Ion: 75 Resp: 121224

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

39 48.5 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

100000

80000

60000

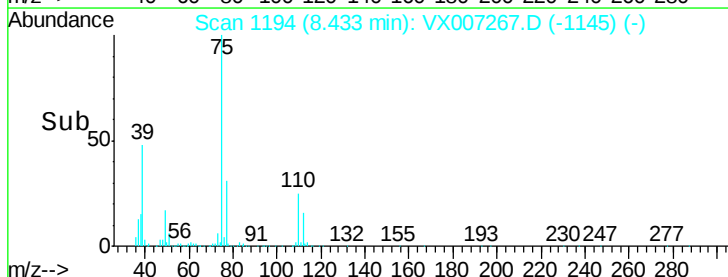
40000

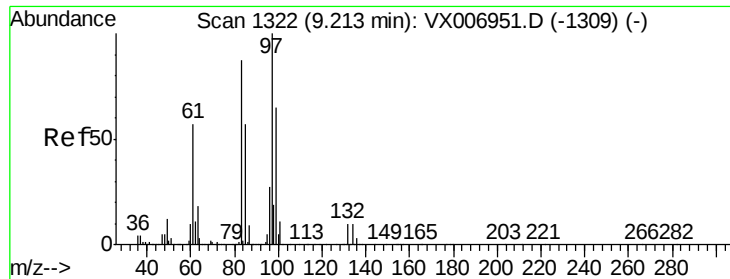
20000

0

Time-->

8.40 8.50





#55

1,1,2-Trichloroethane

Concen: 20.952 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

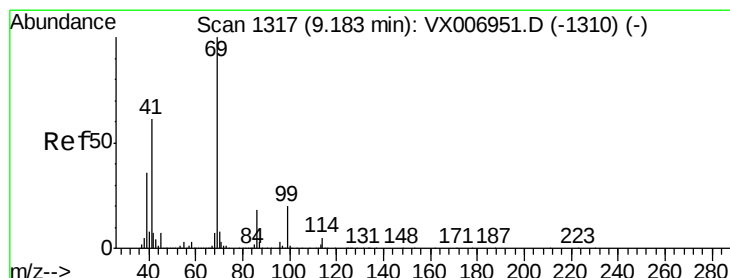
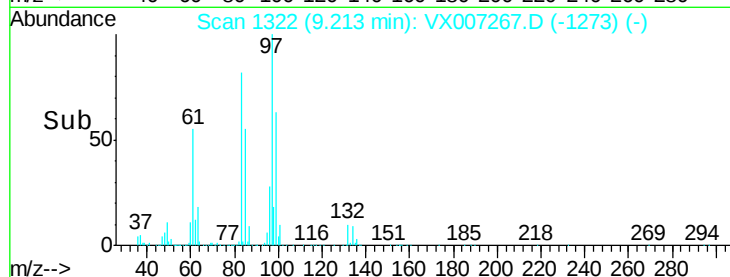
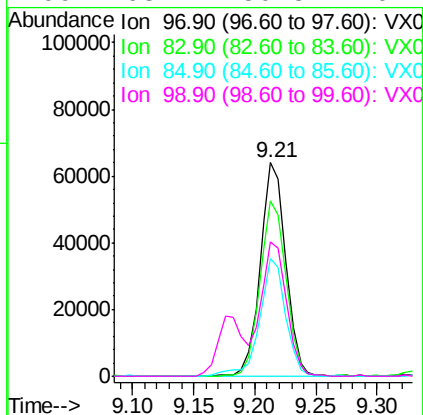
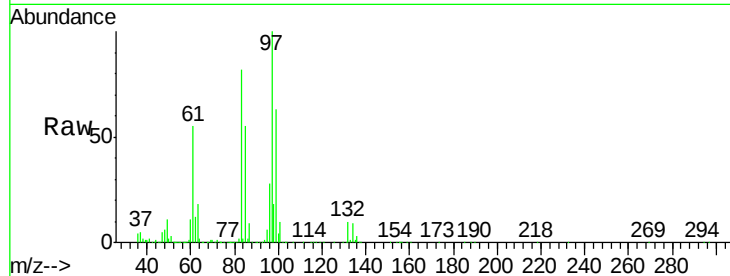
ClientSampleId :

VX0128WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		93821		
83	82.3	66.6	99.8		
85	55.1	42.7	64.1		
99	63.1	50.8	76.2		

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM



#56

Ethyl methacrylate

Concen: 19.822 ug/l

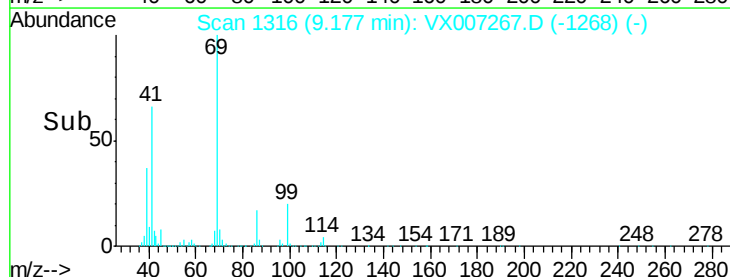
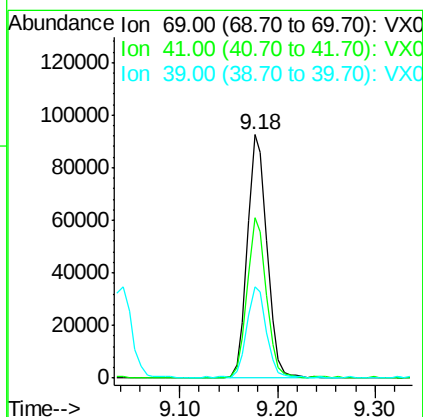
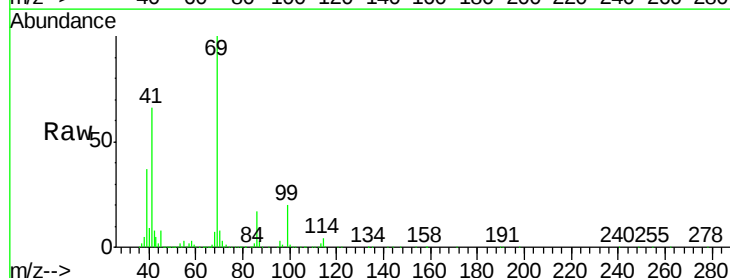
RT: 9.18 min Scan# 1316

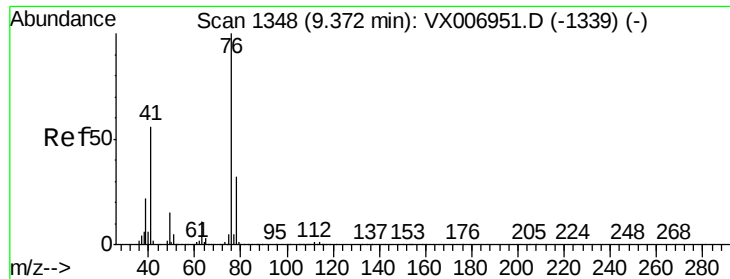
Delta R.T. -0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		129578		
41	63.7	48.7	73.1		
39	36.9	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 19.797 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 76 Resp: 145233

Ion Ratio Lower Upper

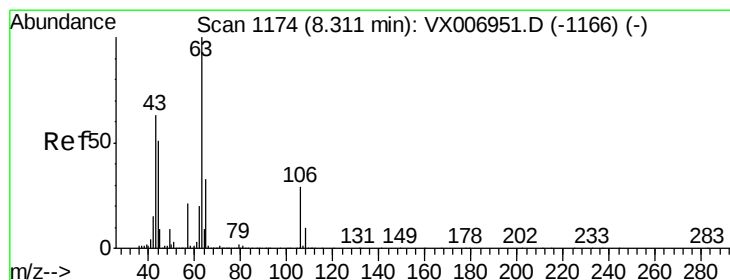
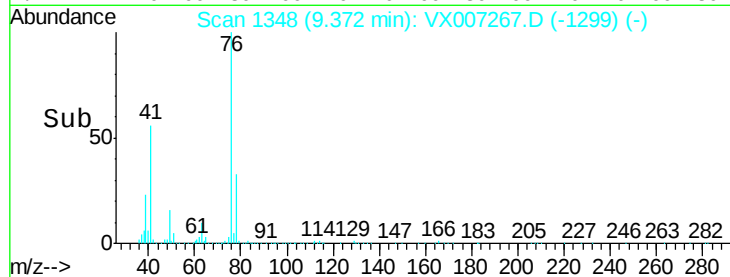
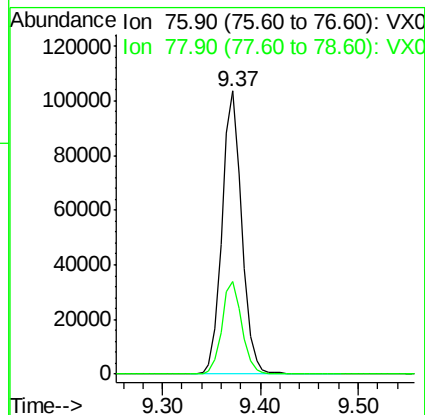
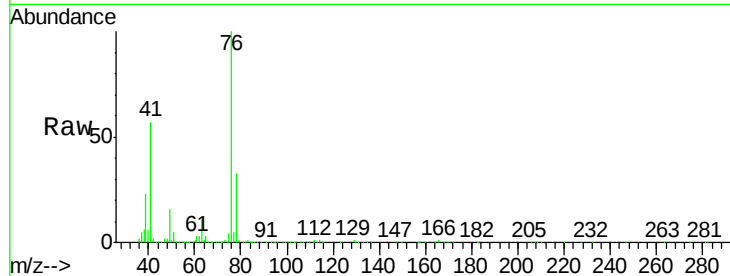
76 100

78 33.2 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:24 AM



#58

2-Chloroethyl Vinyl ether

Concen: 103.284 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007267.D

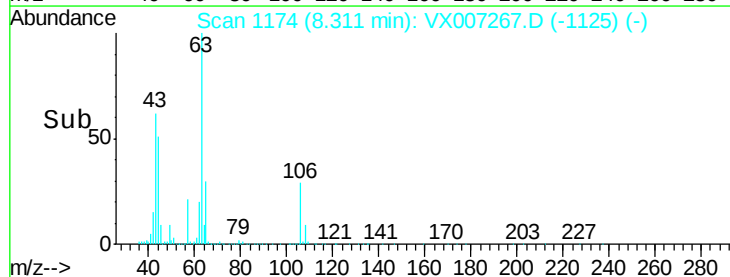
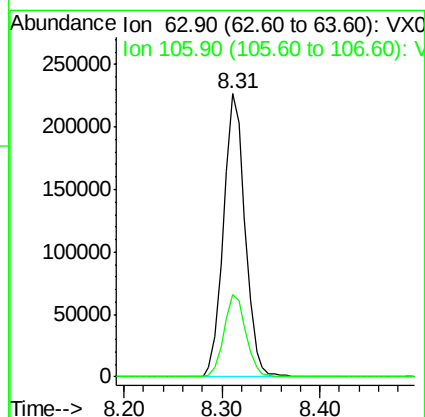
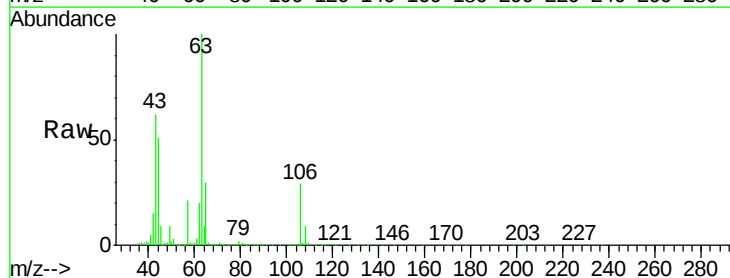
Acq: 28 Jan 2019 18:12

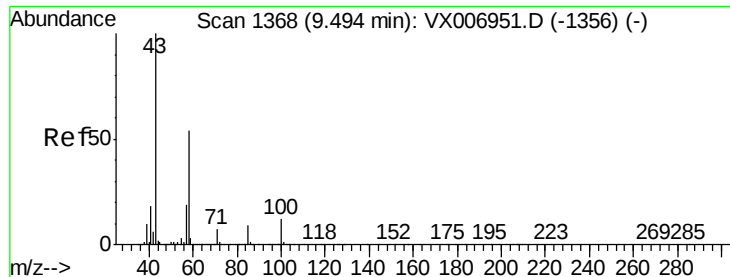
Tgt Ion: 63 Resp: 347147

Ion Ratio Lower Upper

63 100

106 29.7 24.6 36.8





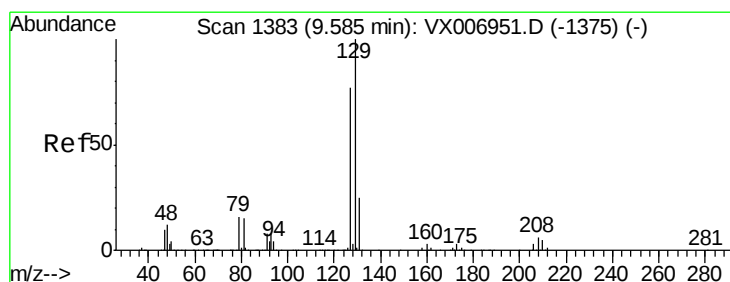
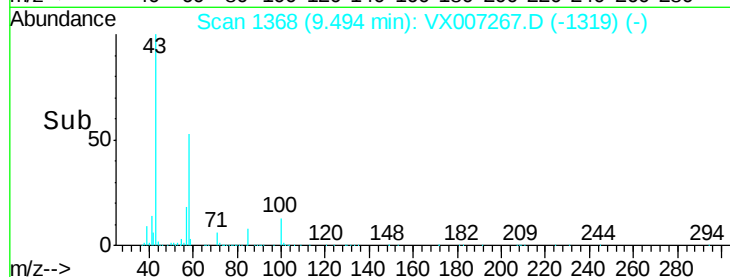
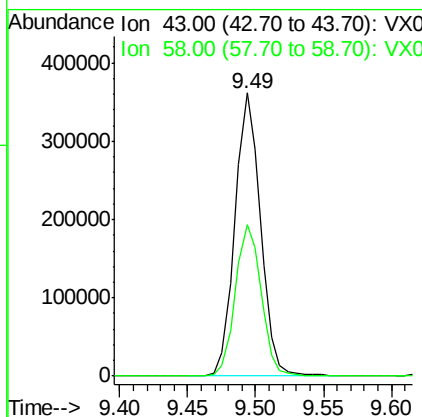
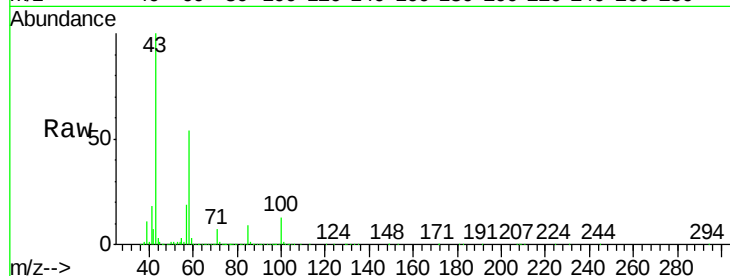
#59
2-Hexanone
Concen: 100.281 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion: 43 Resp: 473759
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.1

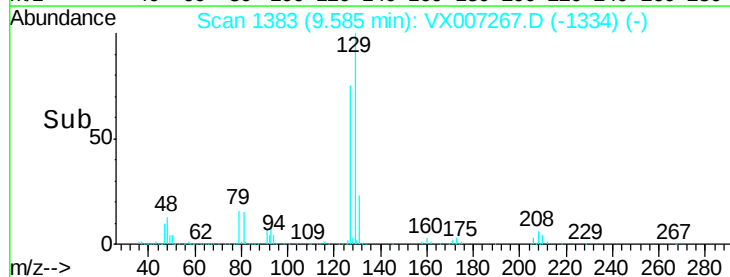
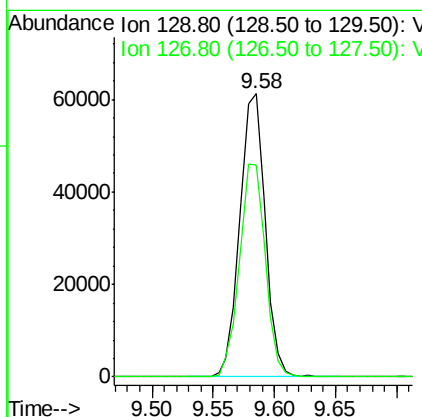
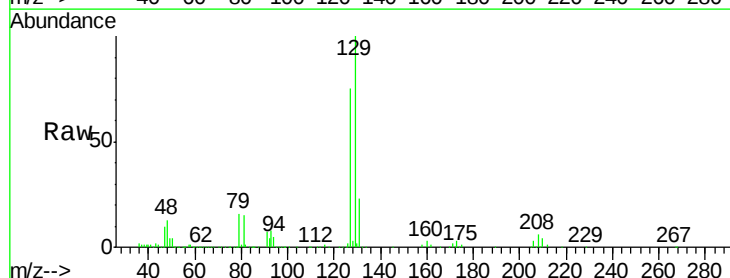
Manual Integrations
APPROVED

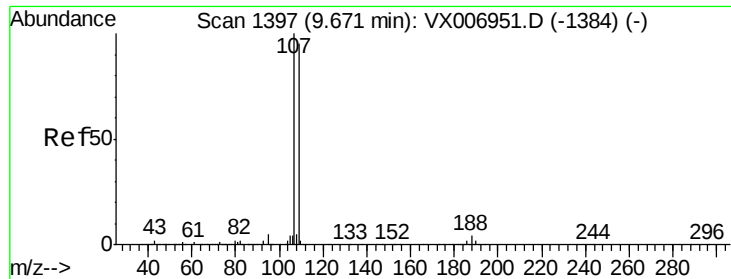
MMDadoda
1/29/2019 9:51:24 AM



#60
Dibromochloromethane
Concen: 20.275 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion: 129 Resp: 88159
Ion Ratio Lower Upper
129 100
127 76.8 39.3 117.8





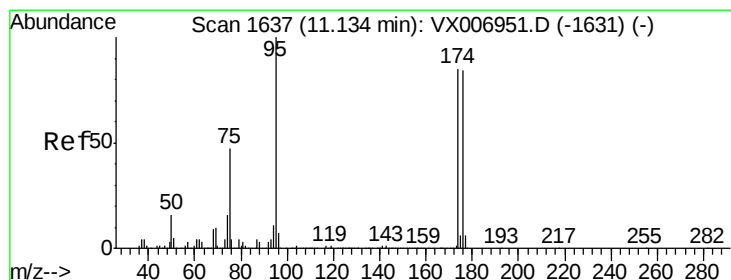
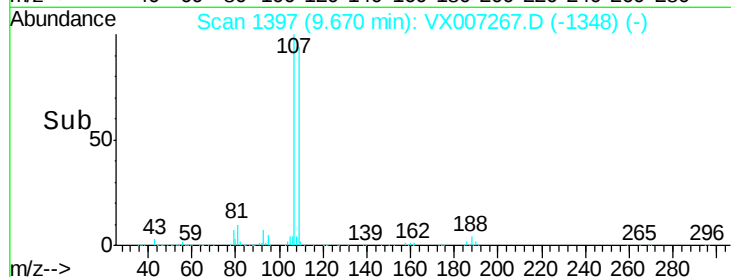
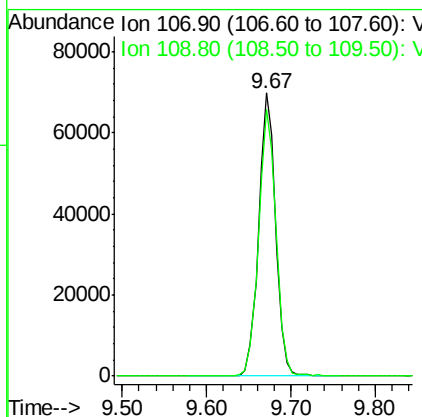
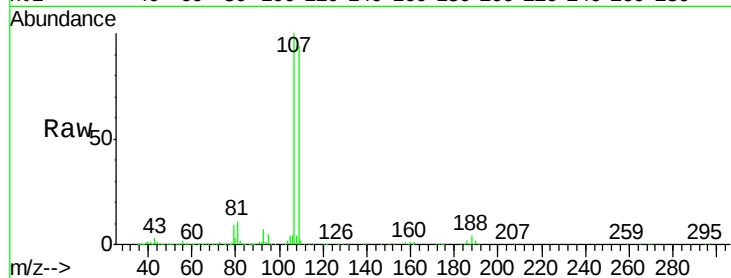
#61
 1,2-Dibromoethane
 Concen: 19.559 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	75.8	113.6

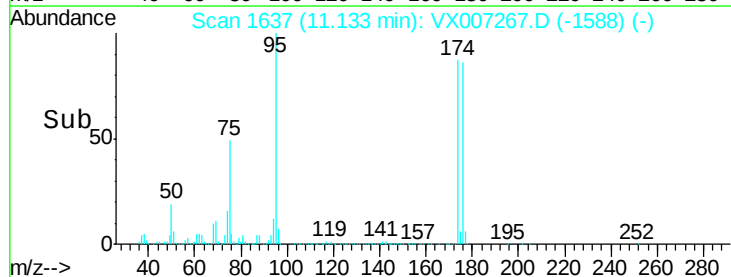
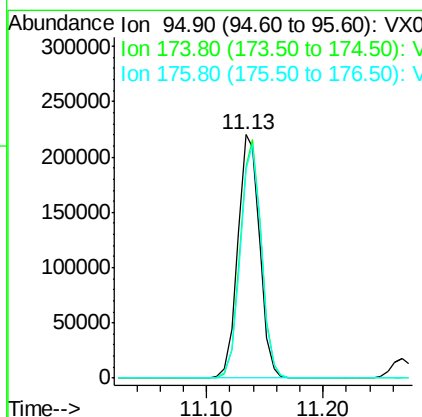
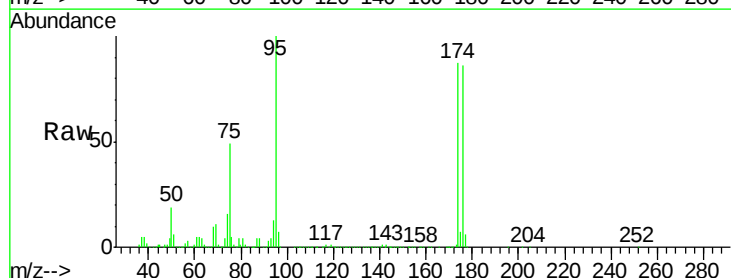
Manual Integrations
 APPROVED

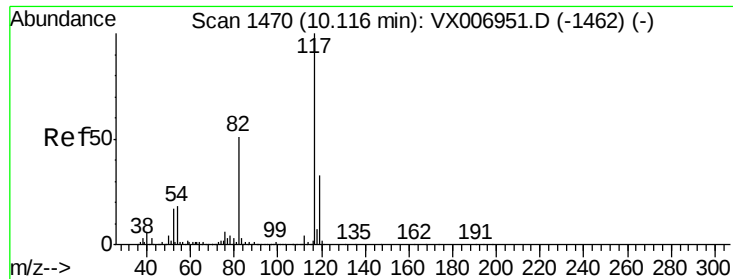
MMDadoda
 1/29/2019 9:51:24 AM



#62
 4-Bromofluorobenzene
 Concen: 53.466 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.3	0.0	182.2
176	92.8	0.0	178.8





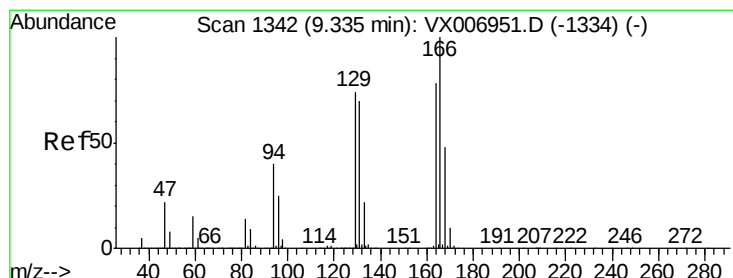
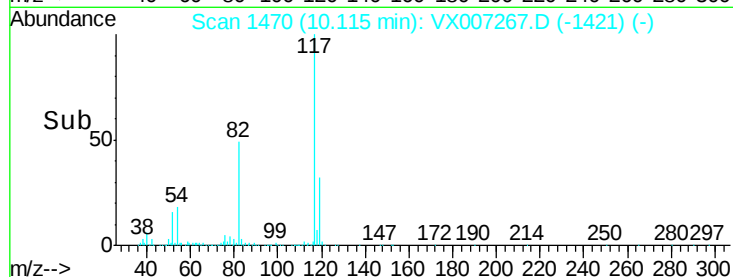
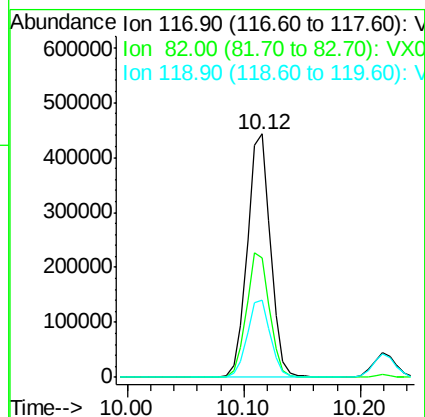
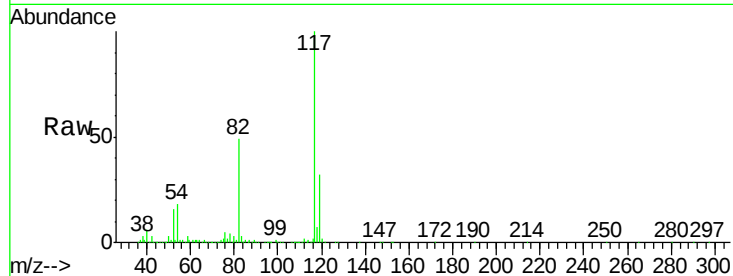
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	612713		
82	49.1		41.0	61.6
119	31.6		25.4	38.0

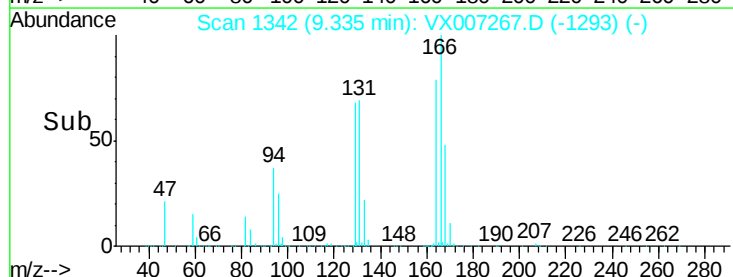
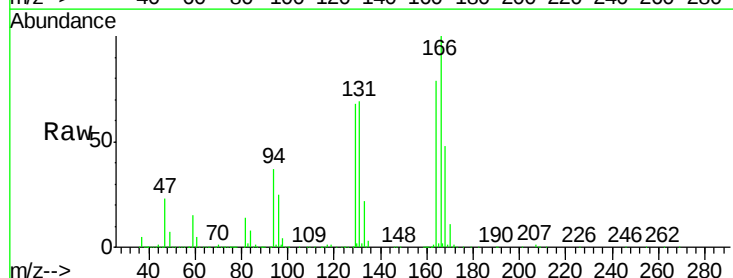
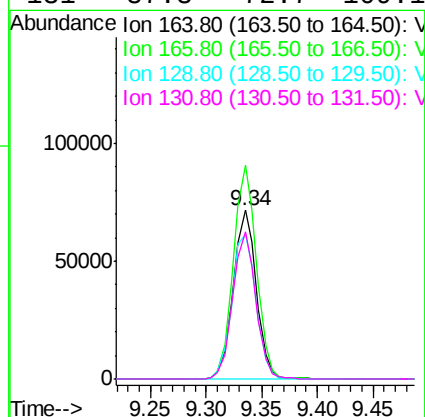
Manual Integrations
APPROVED

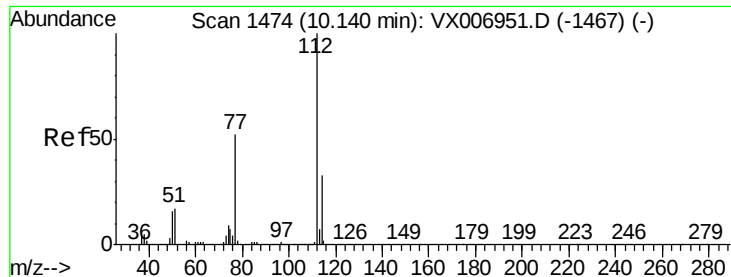
MMDadoda
1/29/2019 9:51:24 AM



#64
Tetrachloroethene
Concen: 19.372 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	102764		
166	126.5		102.5	153.7
129	85.5		75.1	112.7
131	87.3		72.7	109.1





#65

Chlorobenzene

Concen: 18.915 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion:112 Resp: 252773

Ion Ratio Lower Upper

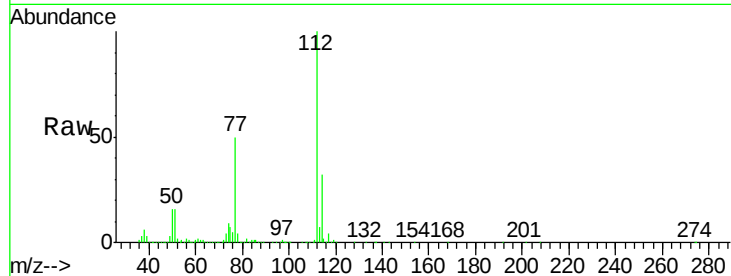
112 100

114 31.9 25.7 38.5

Manual Integrations
APPROVED

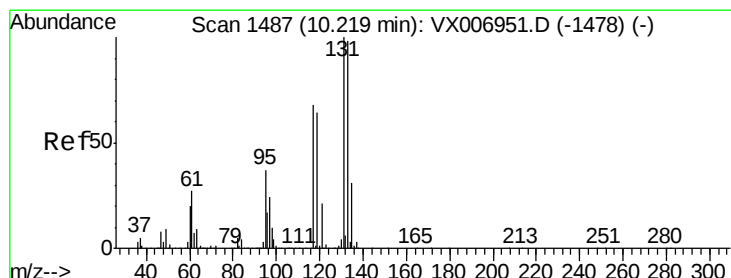
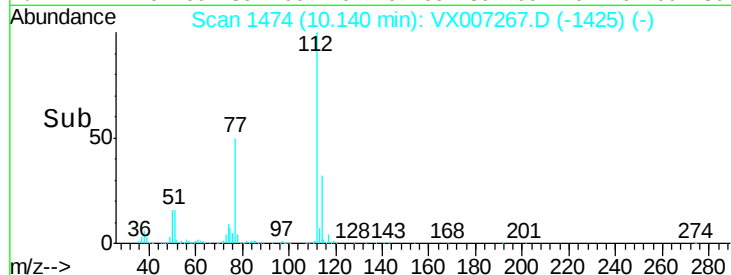
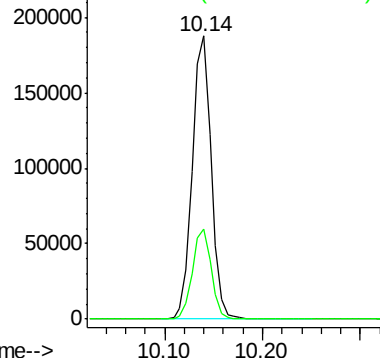
MMDadoda

1/29/2019 9:51:24 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.649 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

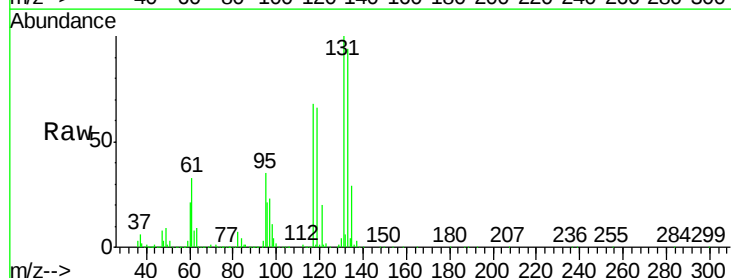
Tgt Ion:131 Resp: 88331

Ion Ratio Lower Upper

131 100

133 93.6 48.0 144.2

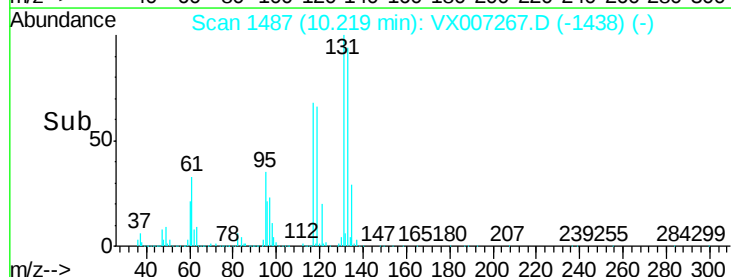
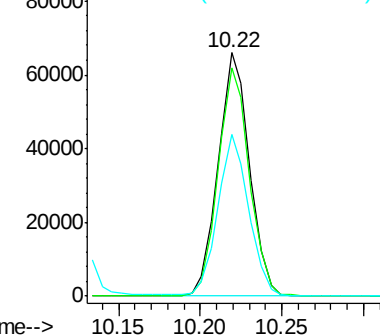
119 66.1 32.6 97.8

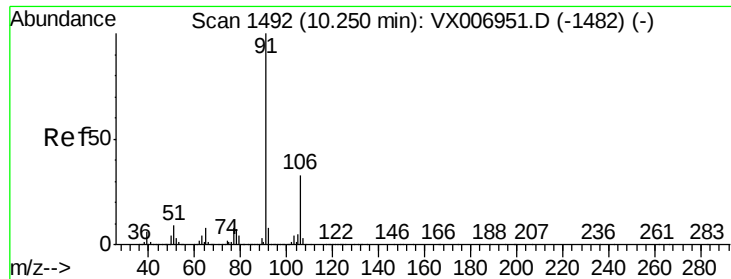


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.215 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 91 Resp: 401850

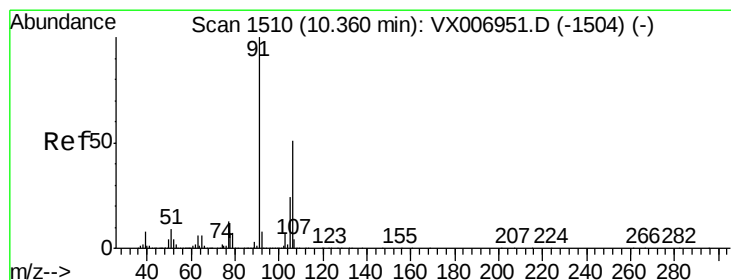
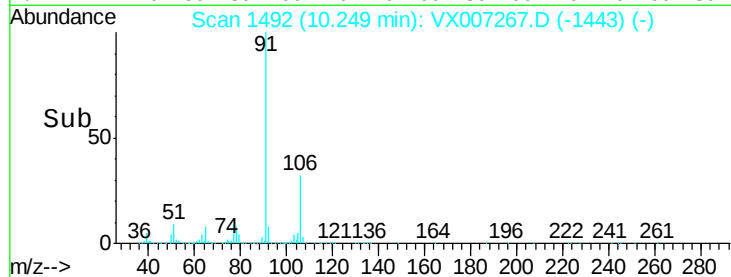
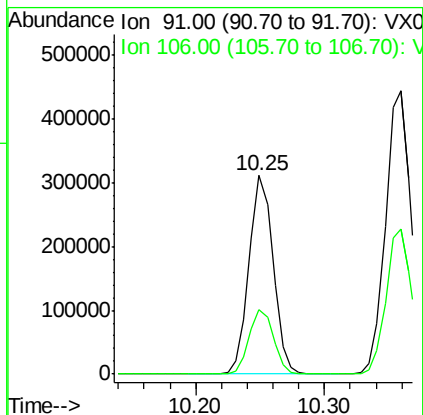
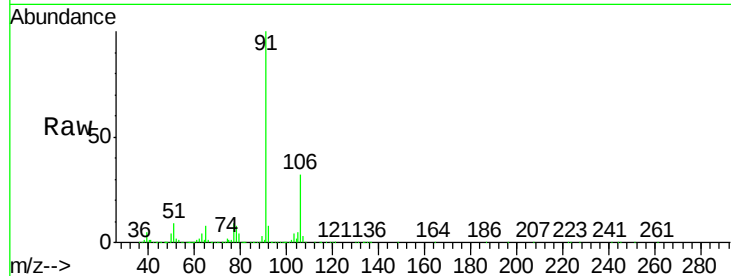
Ion Ratio Lower Upper

91 100

106 32.4 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM



#68

m/p-Xylenes

Concen: 36.059 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007267.D

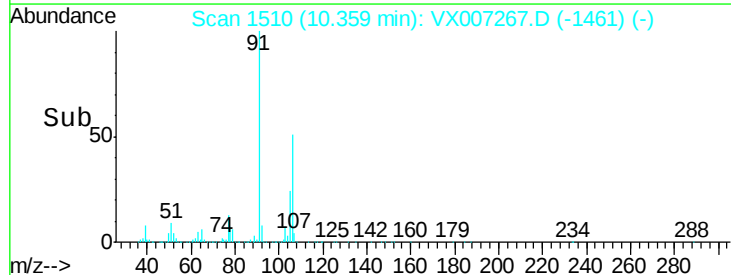
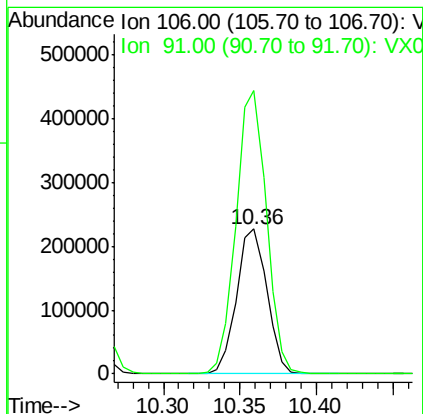
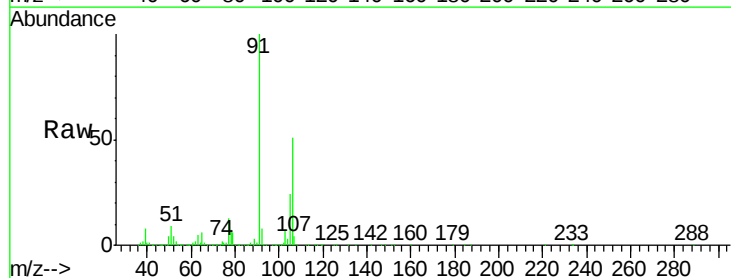
Acq: 28 Jan 2019 18:12

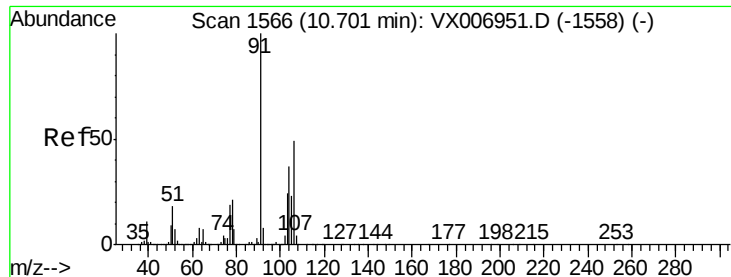
Tgt Ion: 106 Resp: 313427

Ion Ratio Lower Upper

106 100

91 195.4 155.8 233.6





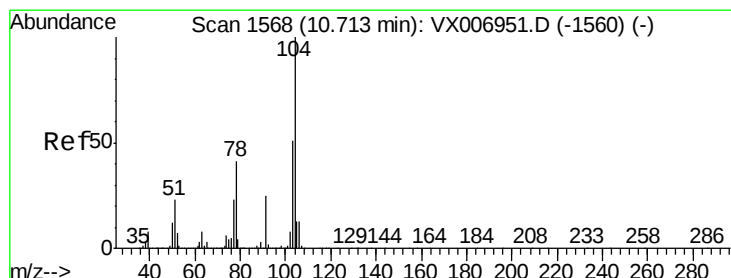
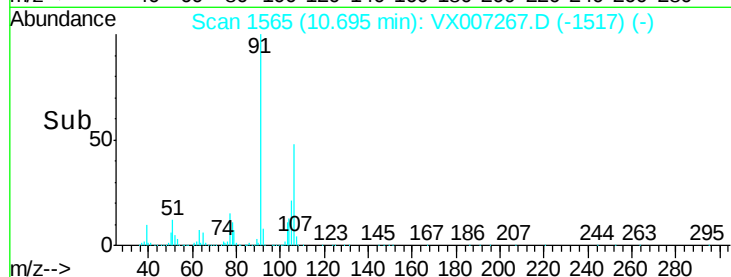
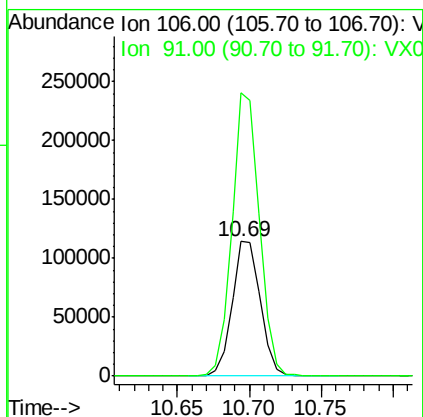
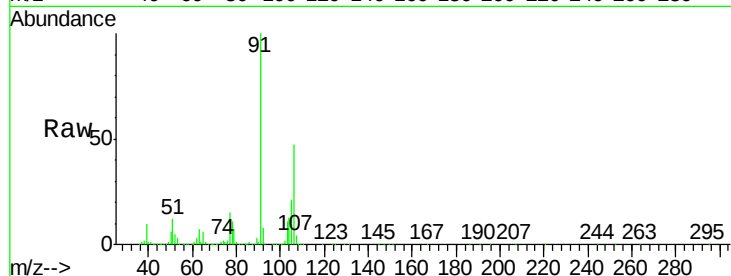
#69
o-Xylene
Concen: 18.462 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.2	101.3	303.7

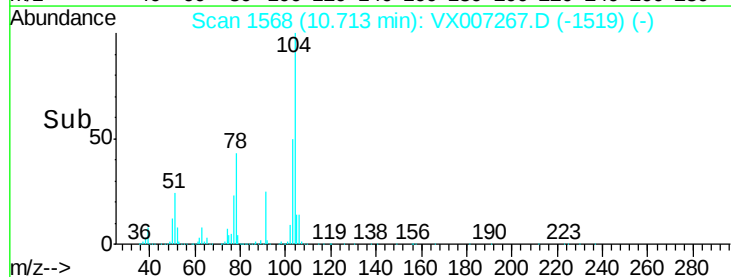
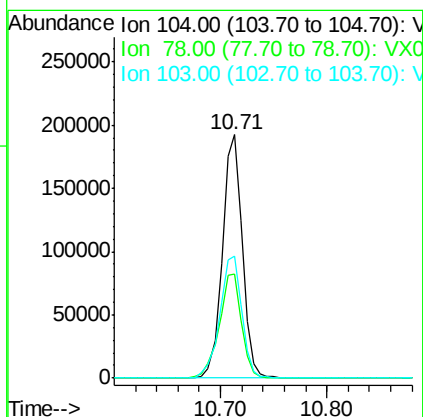
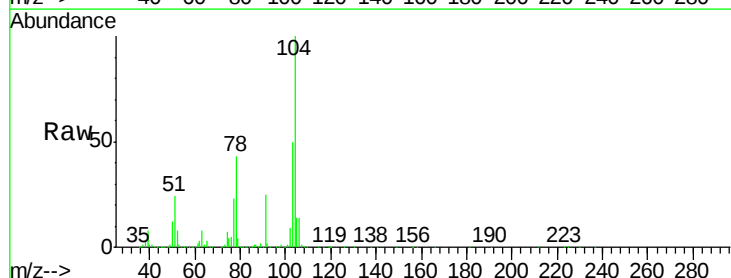
Manual Integrations
APPROVED

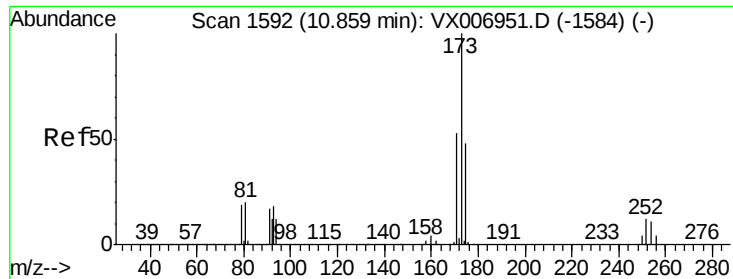
MMDadoda
1/29/2019 9:51:24 AM



#70
Styrene
Concen: 18.743 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	37.7	56.5
103	55.2	43.8	65.8





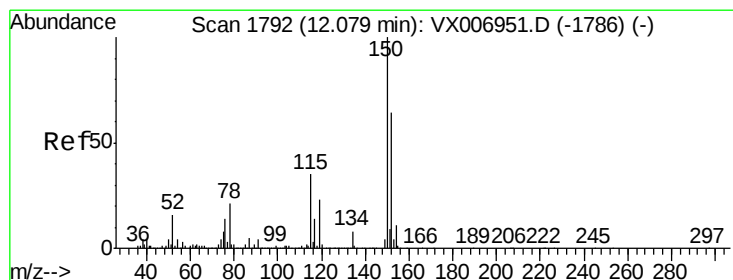
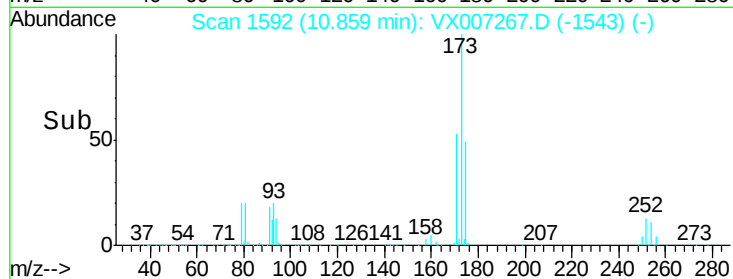
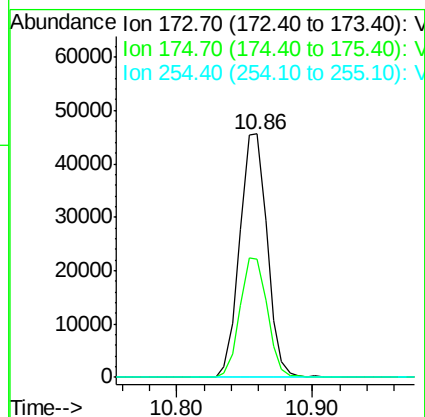
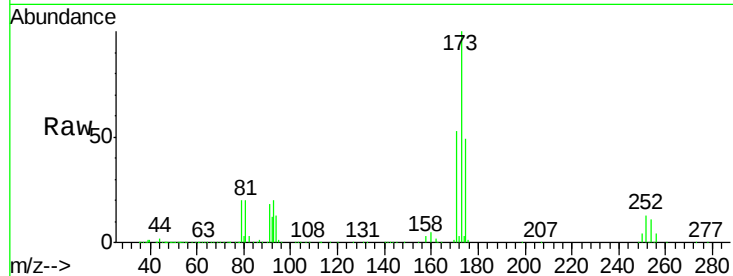
#71
Bromoform
Concen: 19.218 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.7	74.1
254	0.1	0.2	0.2#

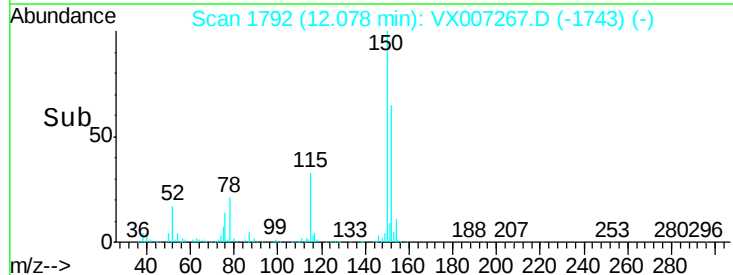
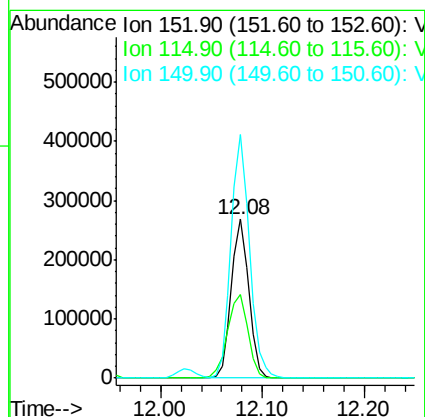
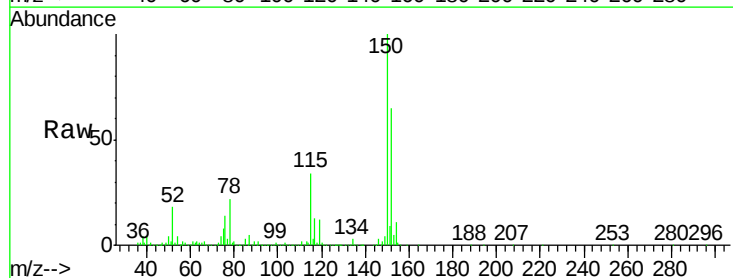
Manual Integrations
APPROVED

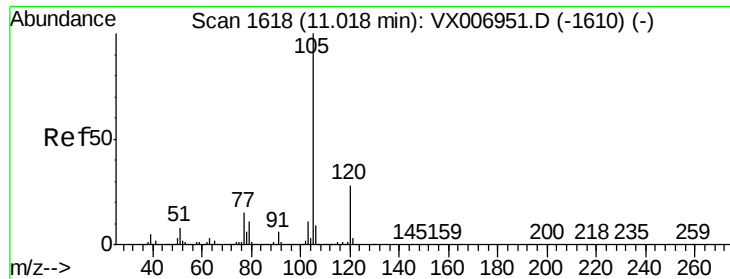
MMDadoda
1/29/2019 9:51:24 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	39.1	117.2
150	161.6	0.0	344.8





#73

Isopropylbenzene

Concen: 18.605 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 105 Resp: 416610

Ion Ratio Lower Upper

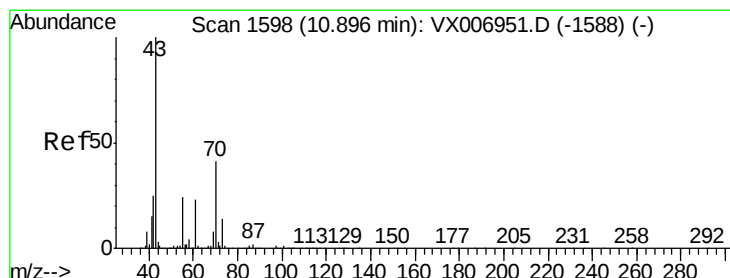
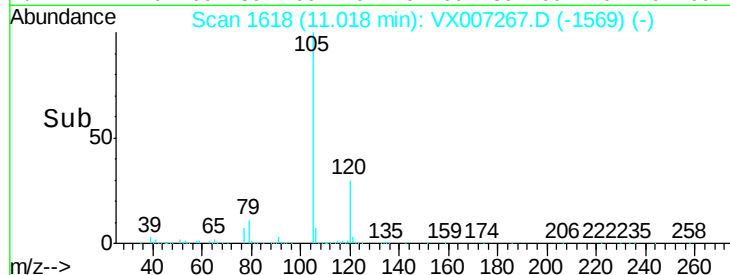
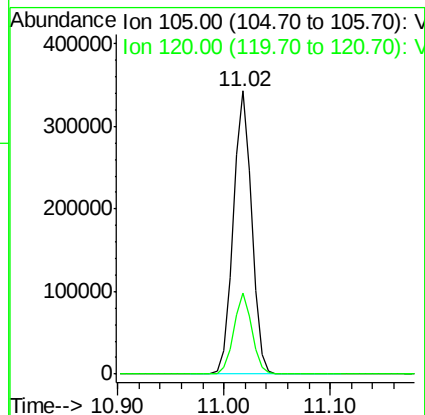
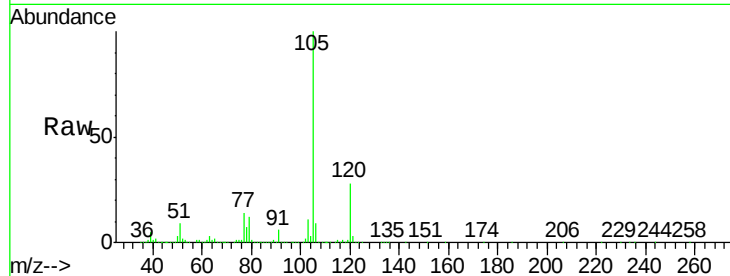
105 100

120 28.2 14.1 42.4

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:24 AM



#74

N-ethyl acetate

Concen: 18.090 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tgt Ion: 43 Resp: 163091

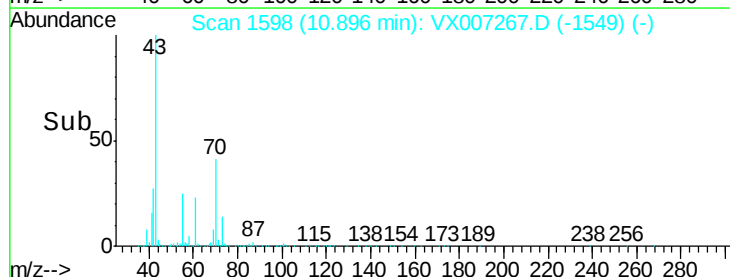
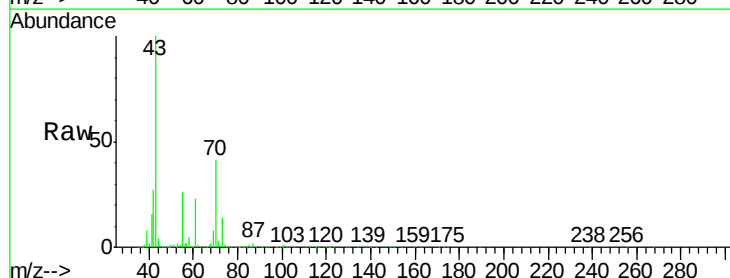
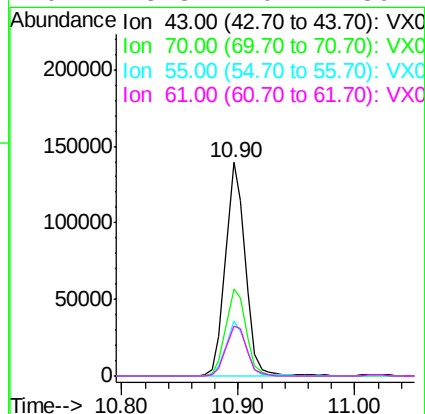
Ion Ratio Lower Upper

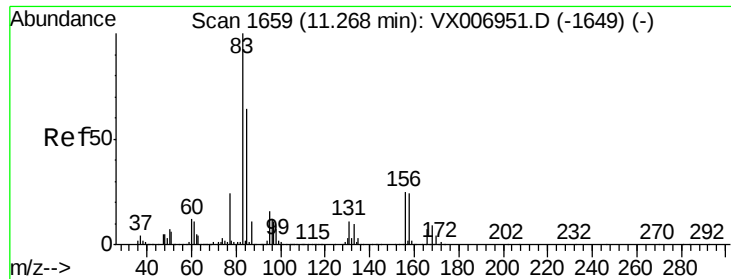
43 100

70 42.8 35.8 53.8

55 25.9 19.4 29.0

61 25.3 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.191 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 83 Resp: 136426

Ion Ratio Lower Upper

83 100

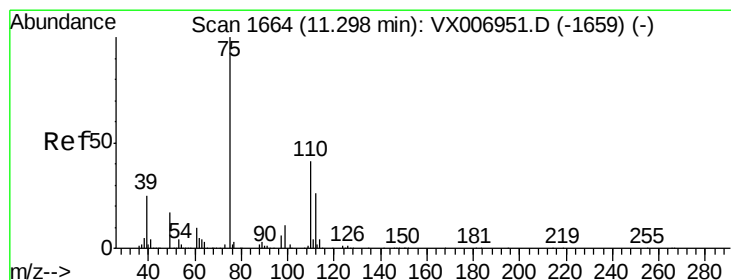
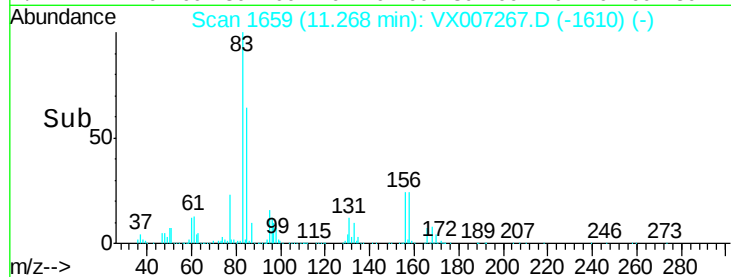
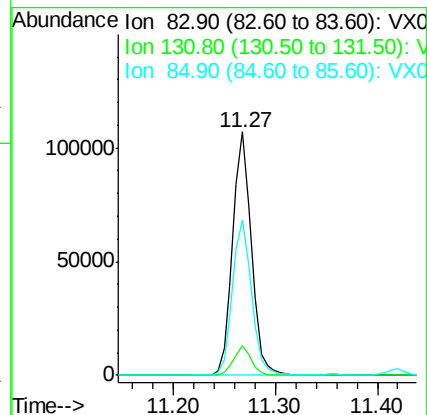
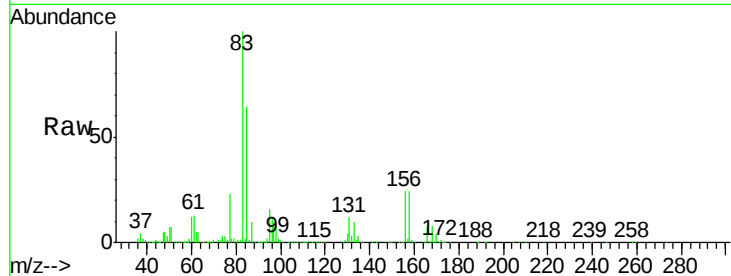
131 11.3 5.7 17.1

85 65.2 32.2 96.6

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:24 AM



#76

1,2,3-Trichloropropane

Concen: 19.401 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007267.D

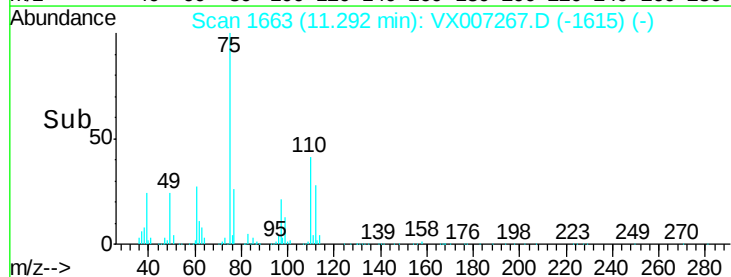
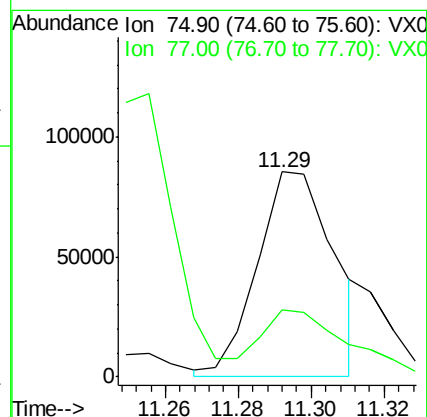
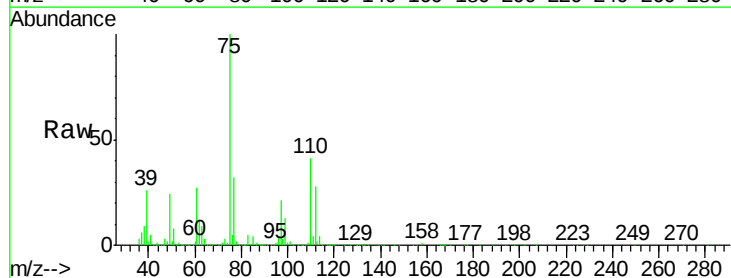
Acq: 28 Jan 2019 18:12

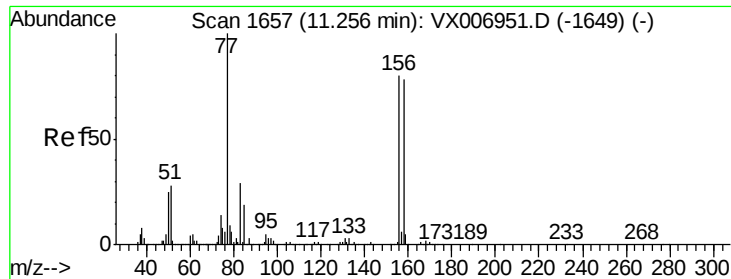
Tgt Ion: 75 Resp: 124848

Ion Ratio Lower Upper

75 100

77 36.7 18.5 55.5





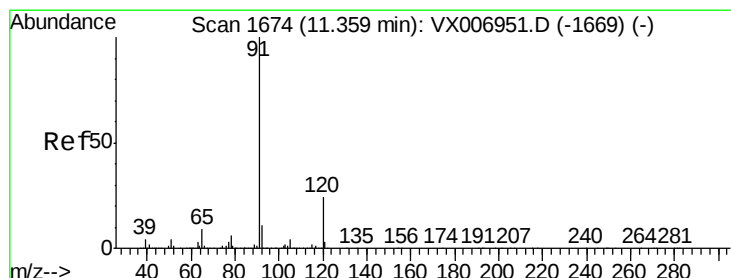
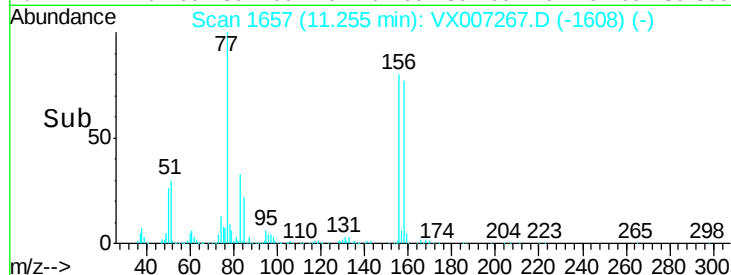
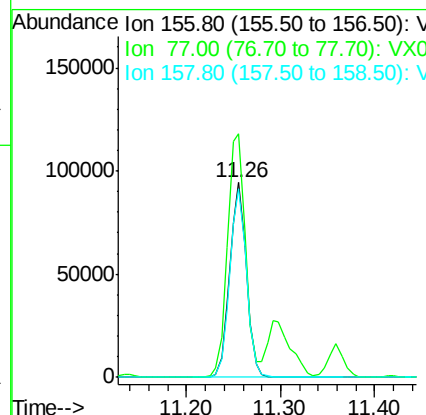
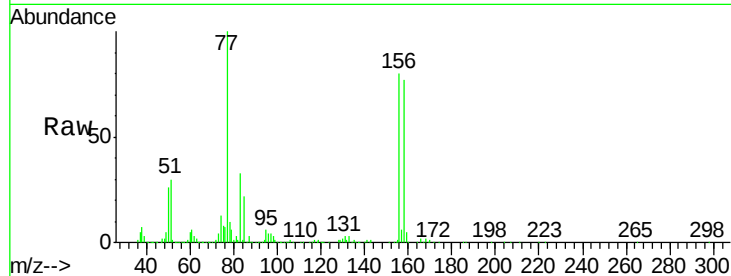
#77
Bromobenzene
Concen: 18.767 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	115789		
77	133.1	68.0	204.0	
158	97.1	48.3	144.8	

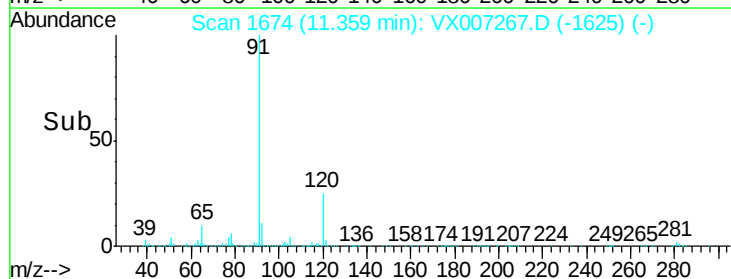
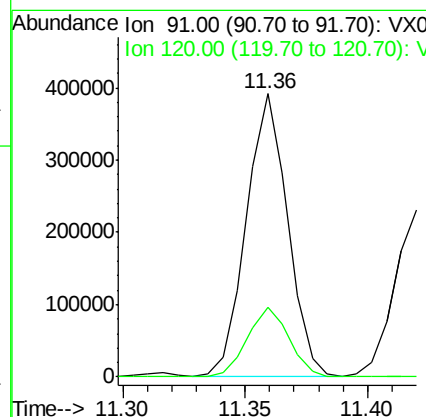
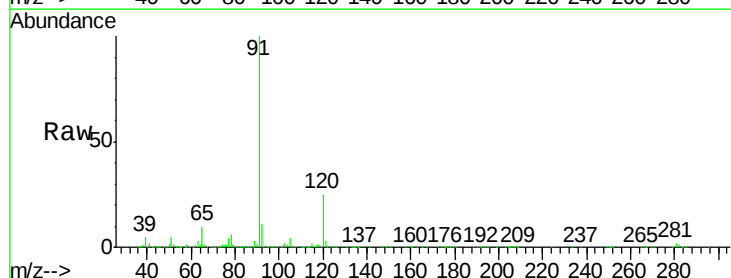
Manual Integrations
APPROVED

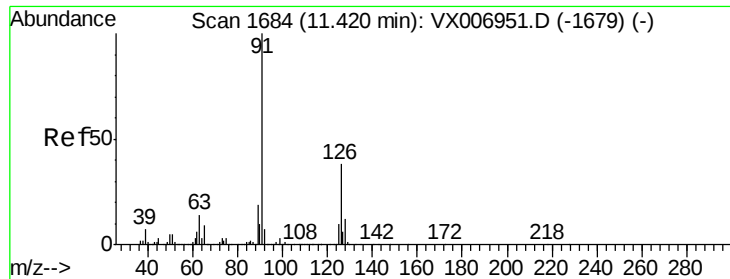
MMDadoda
1/29/2019 9:51:24 AM



#78
n-propylbenzene
Concen: 18.552 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	456029		
120	25.0	12.7	38.0	





#79

2-Chlorotoluene

Concen: 18.878 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 91 Resp: 279346

Ion Ratio Lower Upper

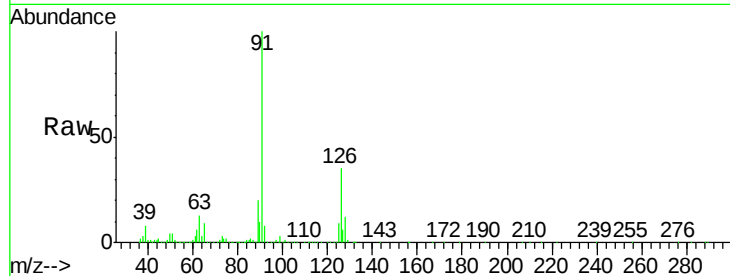
91 100

126 37.0 18.6 56.0

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:24 AM



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

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

400000

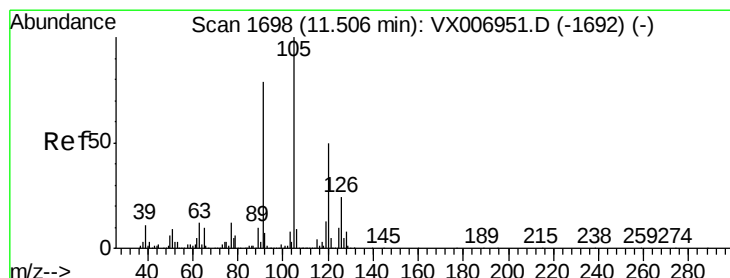
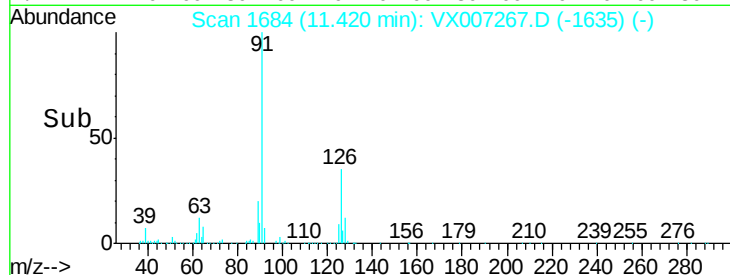
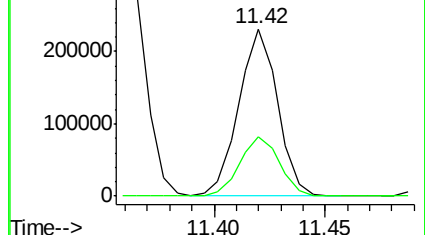
300000

200000

100000

0

11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 18.277 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007267.D

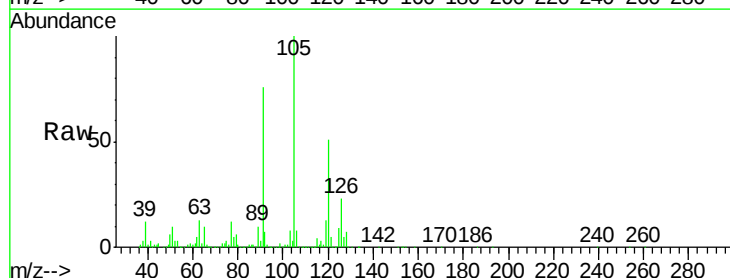
Acq: 28 Jan 2019 18:12

Tgt Ion: 105 Resp: 341965

Ion Ratio Lower Upper

105 100

120 50.1 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) (-)

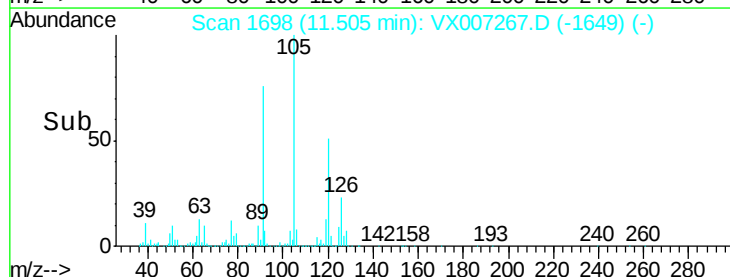
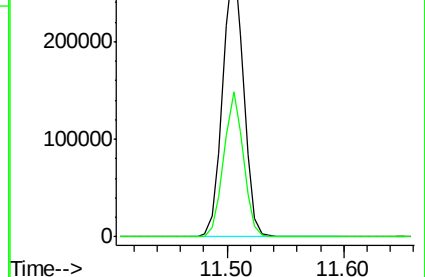
300000

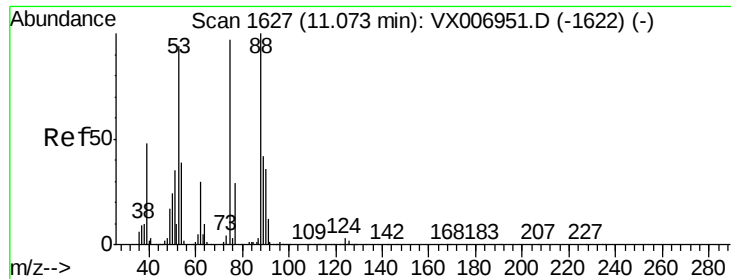
200000

100000

0

11.50 11.60





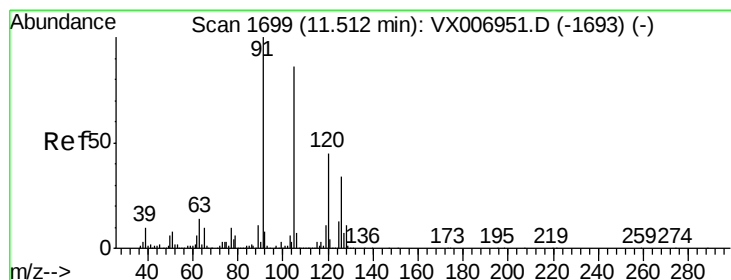
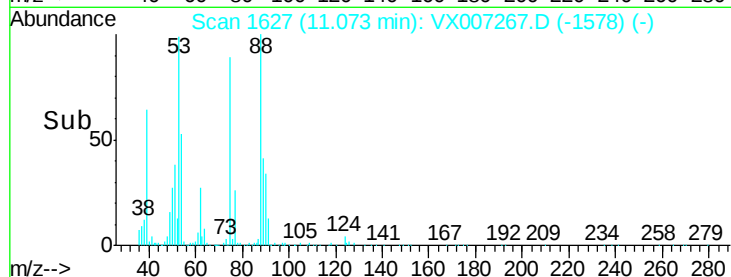
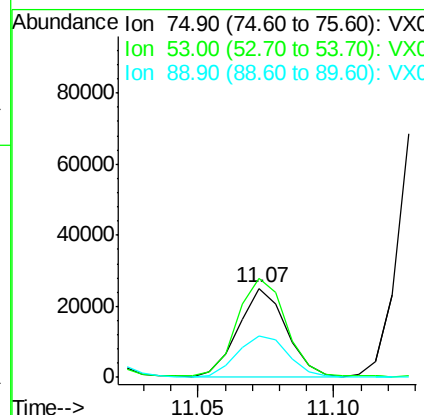
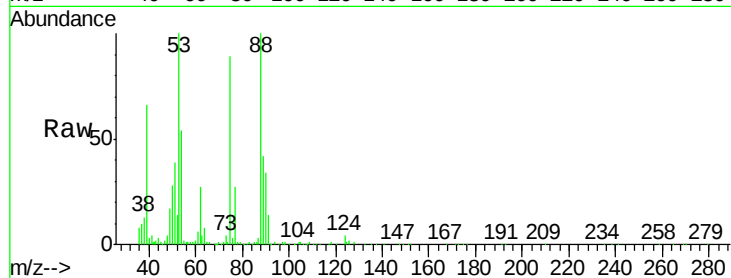
#81
trans-1,4-Dichloro-2-butene
Concen: 16.891 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.8	79.7	119.5
89	49.6	38.0	57.0

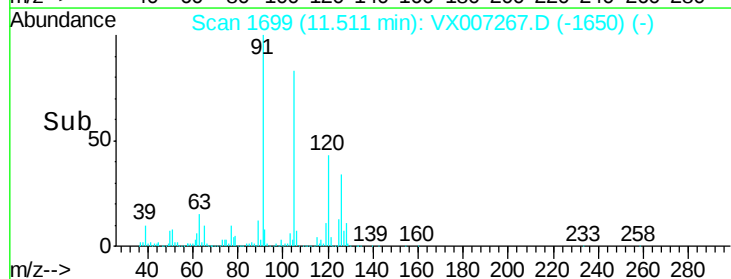
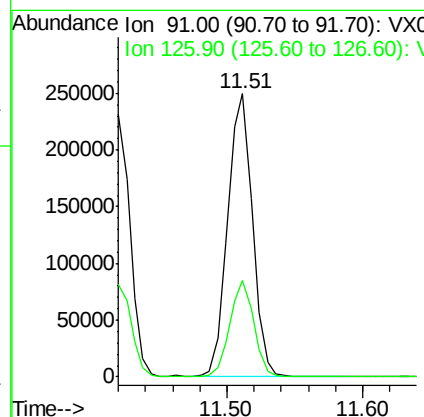
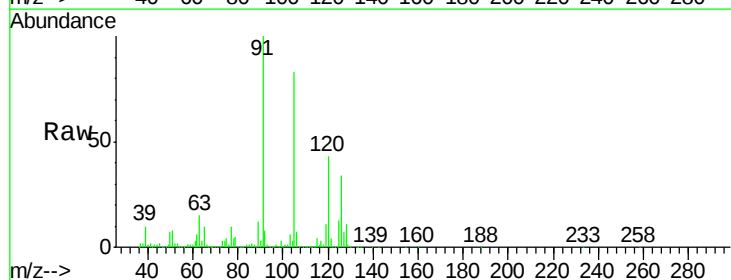
Manual Integrations
APPROVED

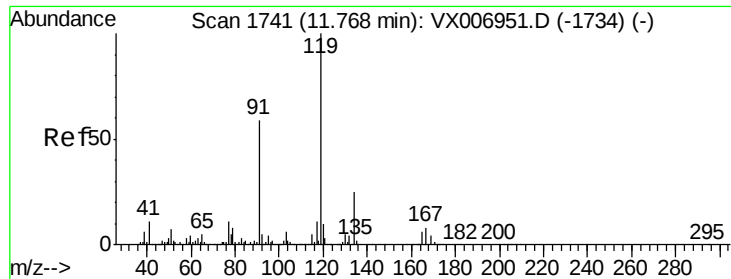
MMDadoda
1/29/2019 9:51:24 AM



#82
4-Chlorotoluene
Concen: 18.387 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.3	48.9





#83

tert-Butylbenzene

Concen: 18.197 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

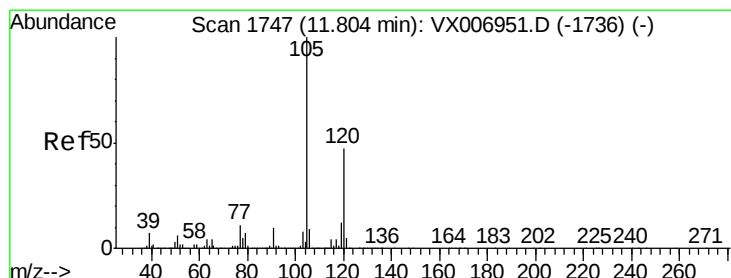
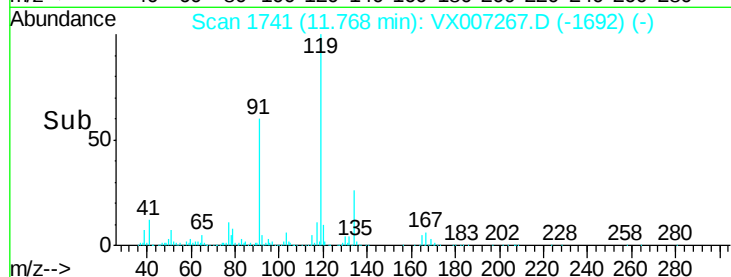
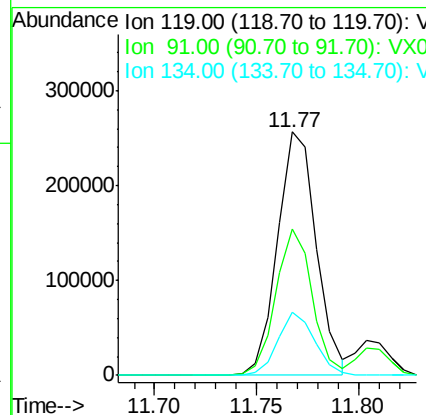
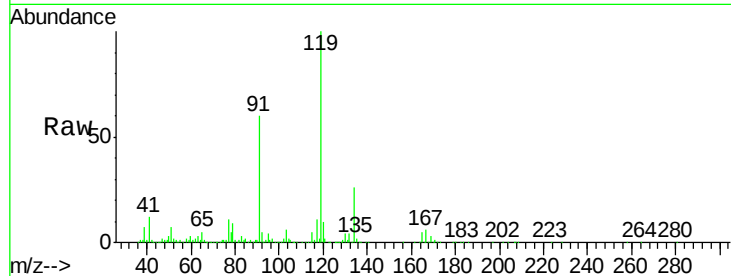
ClientSampleId :

VX0128WBSD01

Tot Ion:	119	Resp:	339693
Ion Ratio	Lower	Upper	
119	100		
91	56.6	27.7	83.1
134	24.6	11.9	35.5

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM



#84

1,2,4-Trimethylbenzene

Concen: 18.834 ug/l

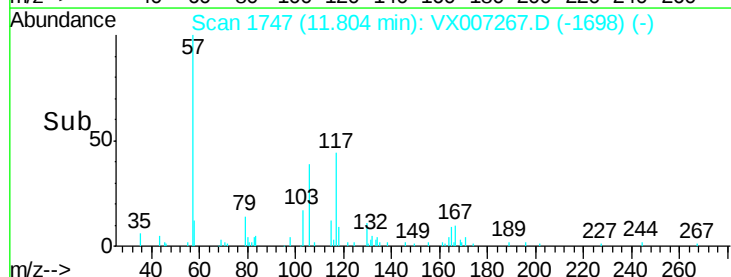
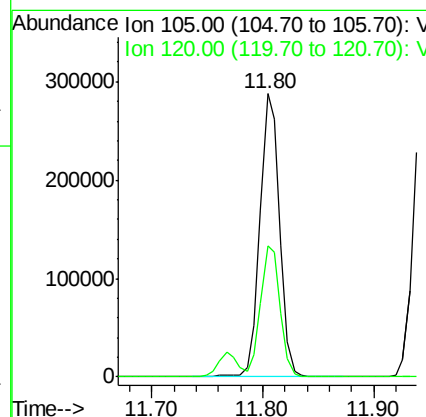
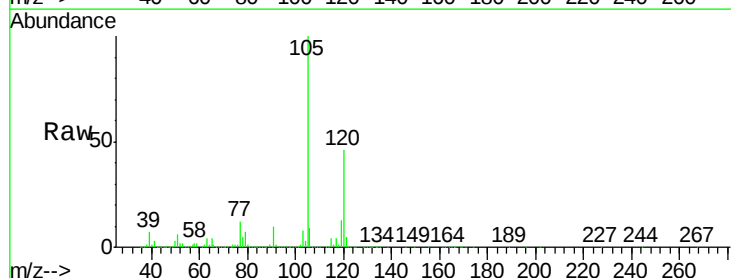
RT: 11.80 min Scan# 1747

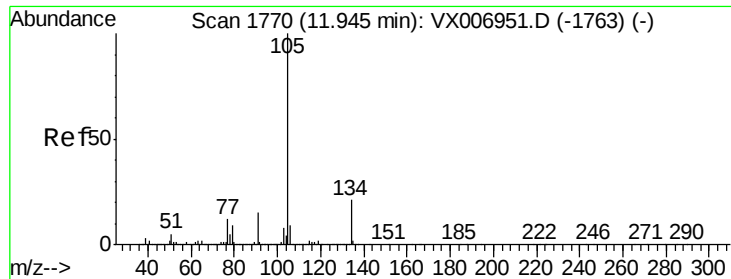
Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tgt Ion:	105	Resp:	354349
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.2	69.6





#85

sec-Butylbenzene

Concen: 18.440 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion:105 Resp: 411114

Ion Ratio Lower Upper

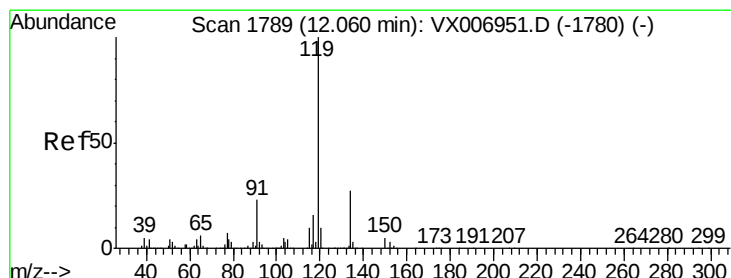
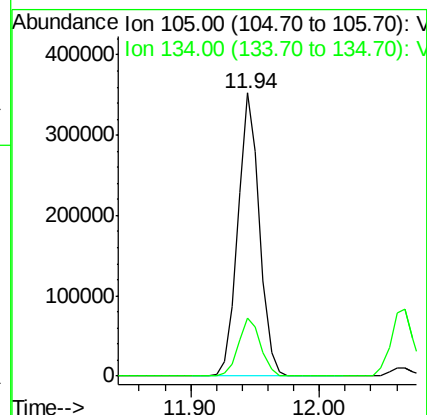
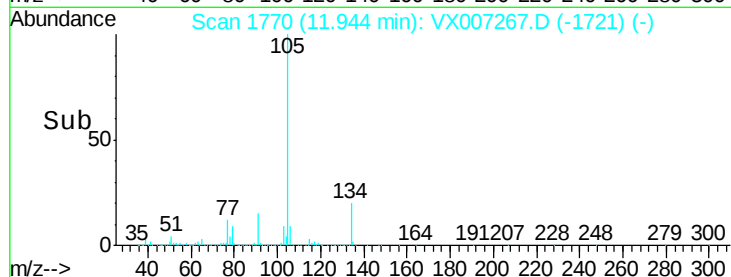
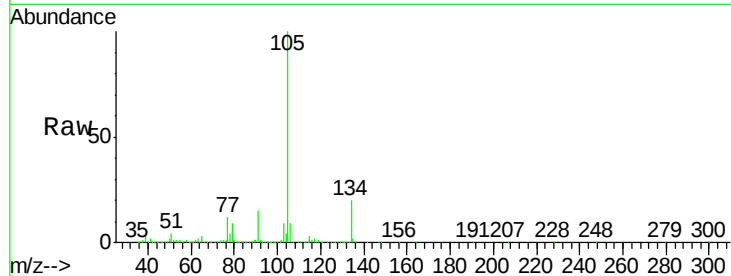
105 100

134 21.1 10.7 31.9

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:51:24 AM



#86

p-Isopropyltoluene

Concen: 18.469 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

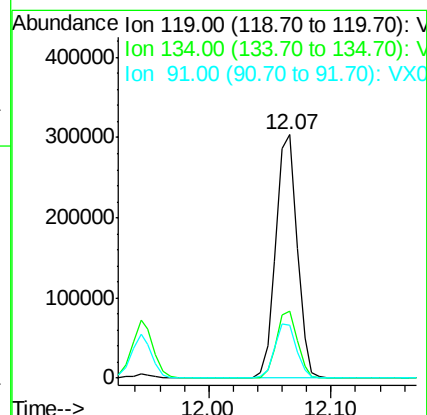
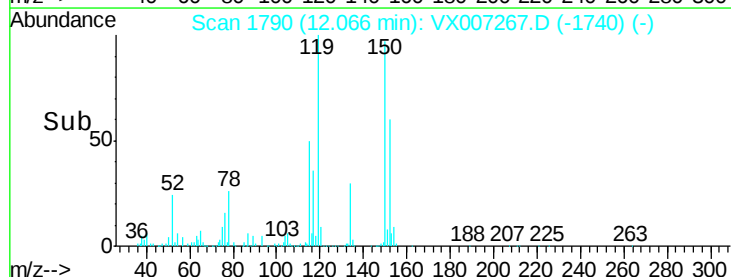
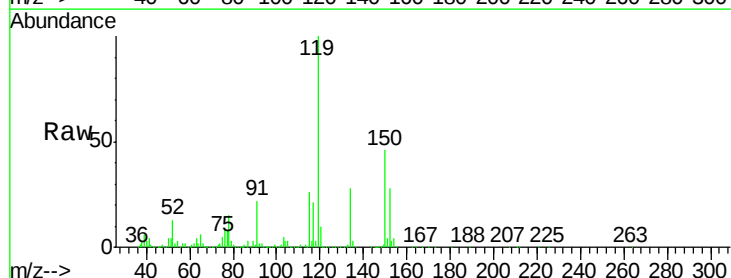
Tgt Ion:119 Resp: 368308

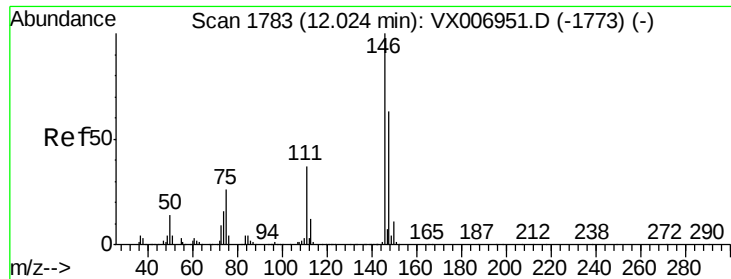
Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

91 22.7 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 18.161 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

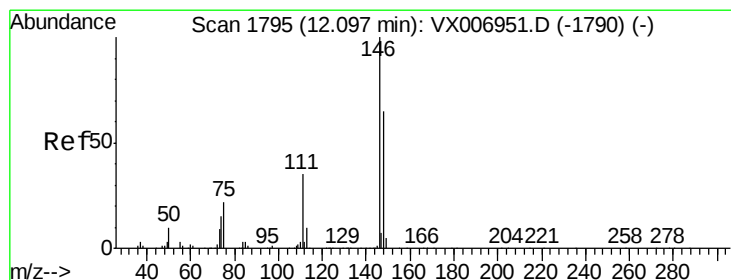
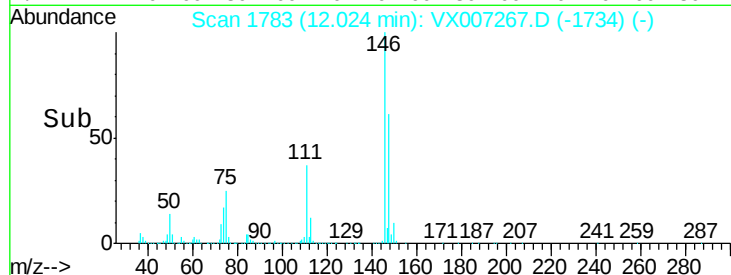
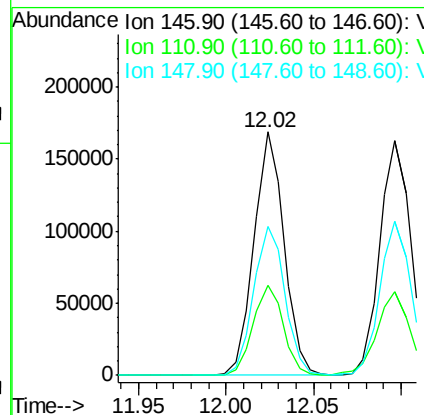
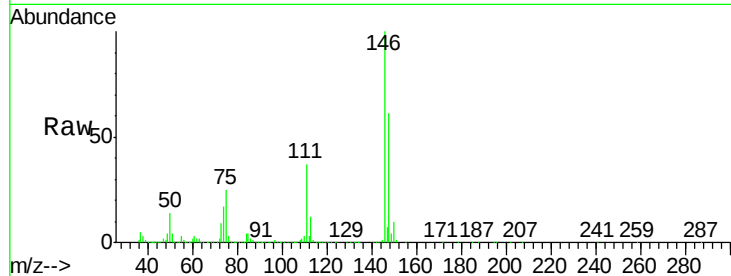
ClientSampleId :

VX0128WBSD01

Tot Ion:	146	Resp:	202534
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.6	55.8
148	63.8	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM



#88

1,4-Dichlorobenzene

Concen: 19.146 ug/l

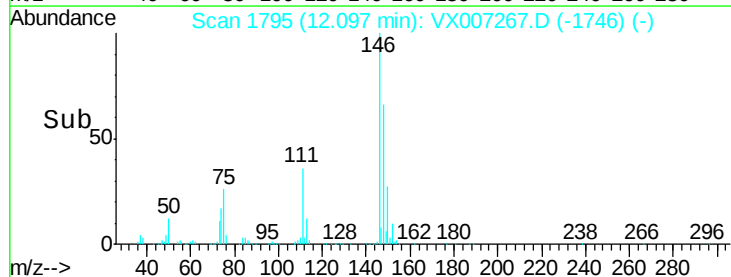
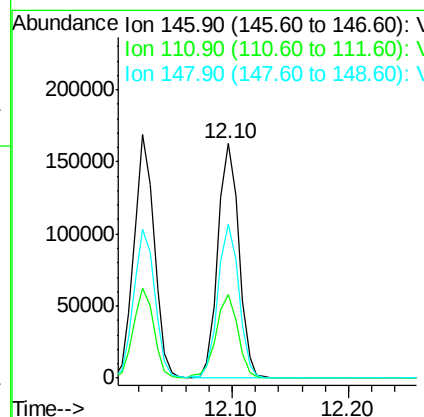
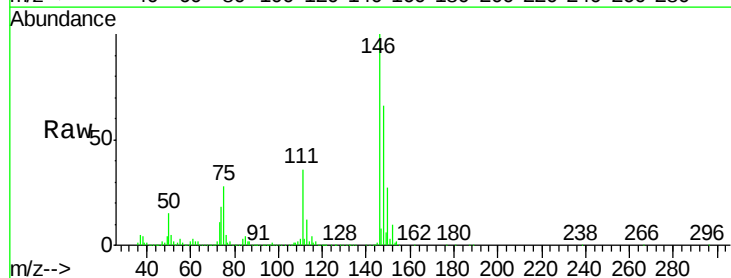
RT: 12.10 min Scan# 1795

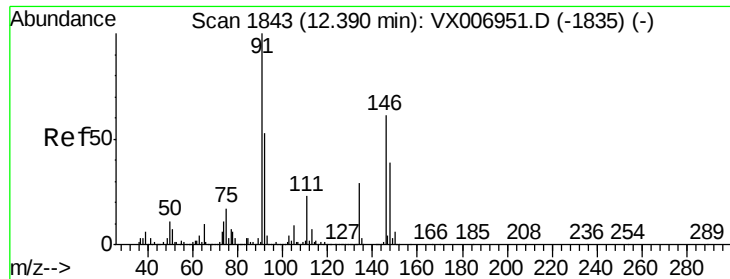
Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tgt Ion:	146	Resp:	201353
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.1	54.1
148	65.7	31.9	95.9





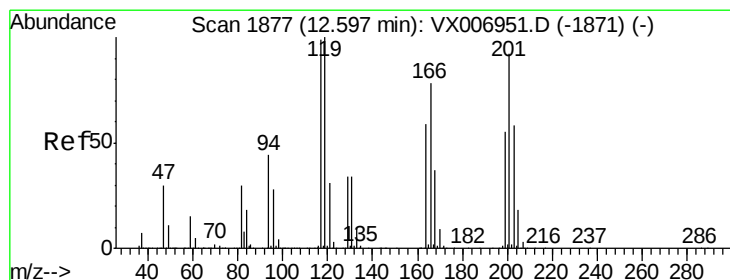
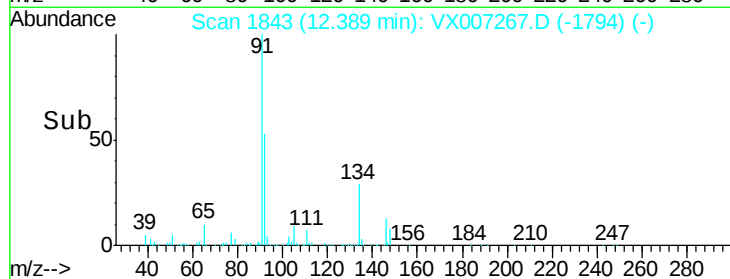
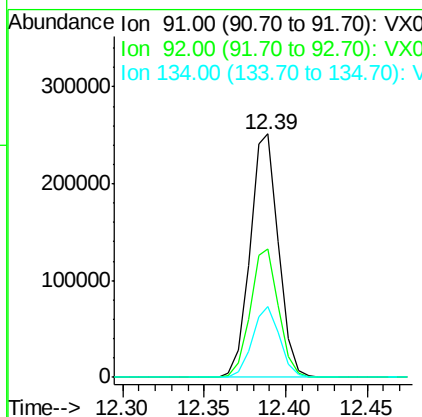
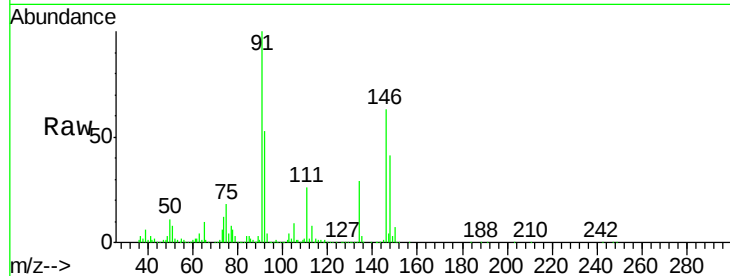
#89
n-Butylbenzene
Concen: 17.883 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.4
134	27.9	14.4	43.2

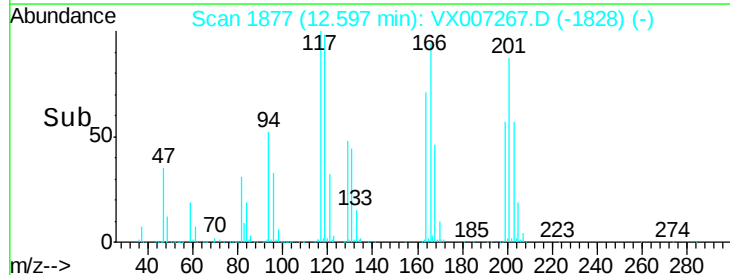
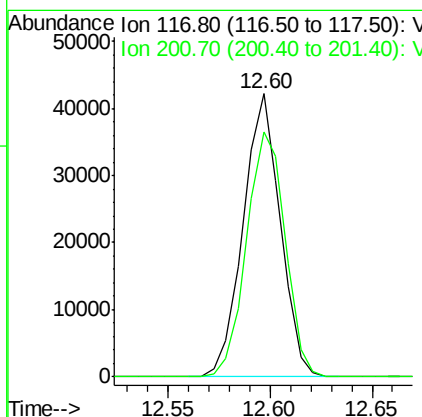
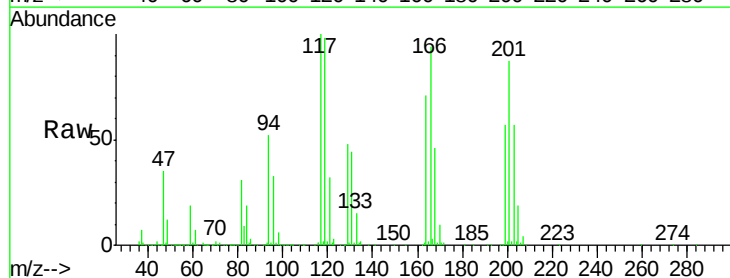
Manual Integrations
APPROVED

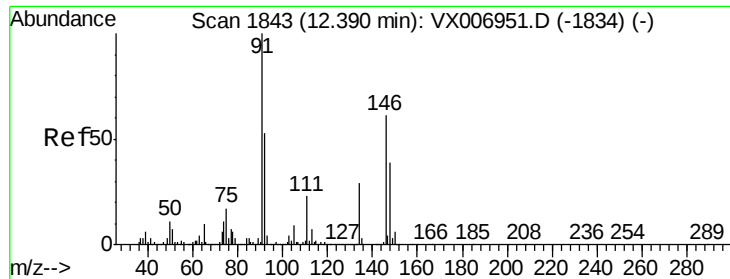
MMDadoda
1/29/2019 9:51:24 AM



#90
Hexachloroethane
Concen: 18.648 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	42.9	128.7





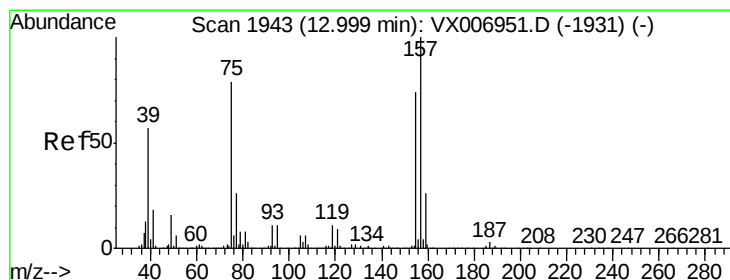
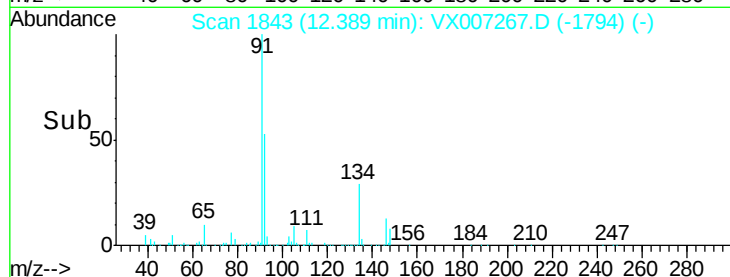
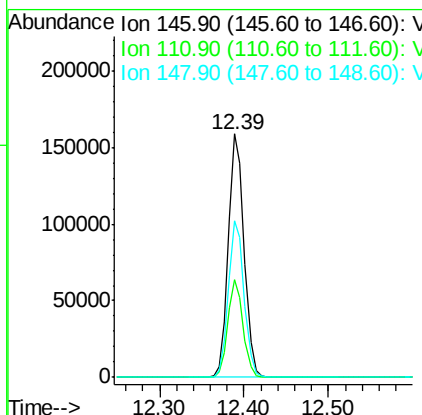
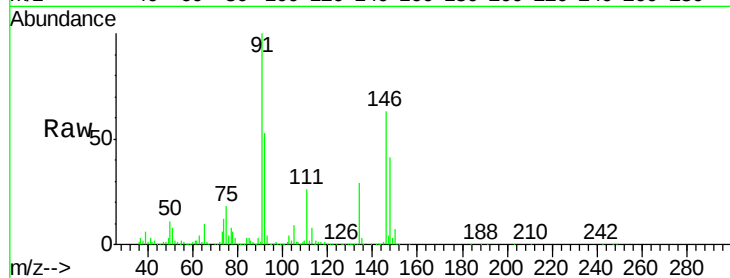
#91
 1,2-Dichlorobenzene
 Concen: 18.348 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.2
148	64.5	32.3	96.9

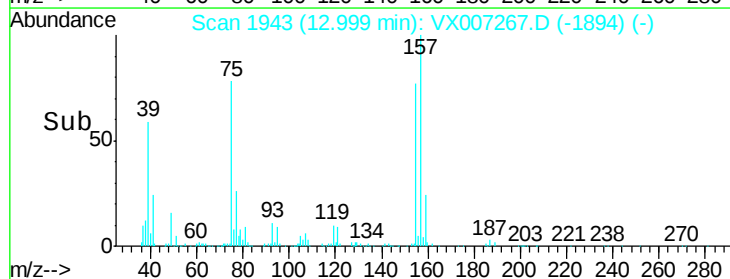
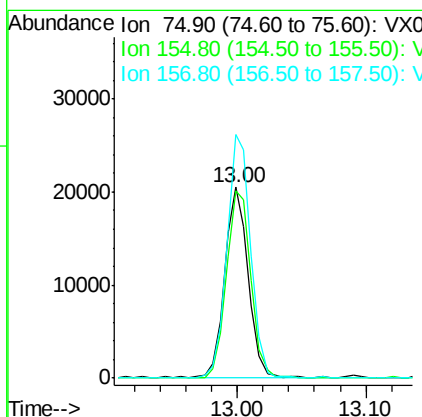
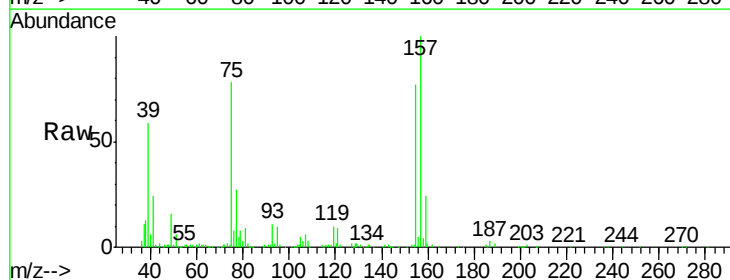
Manual Integrations
 APPROVED

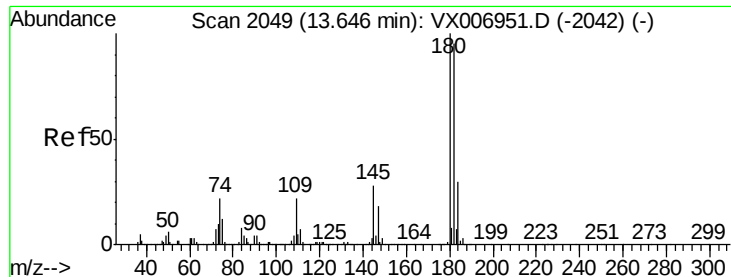
MMDadoda
 1/29/2019 9:51:24 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.734 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.1	50.6	151.8
157	128.8	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 18.015 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

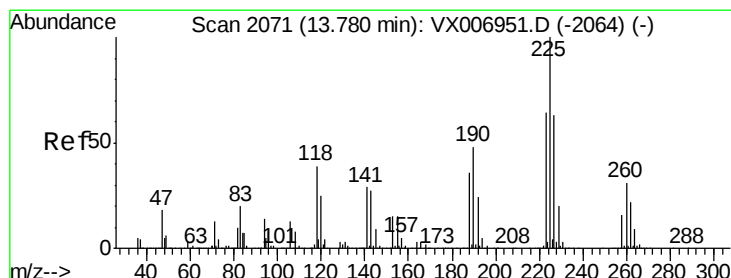
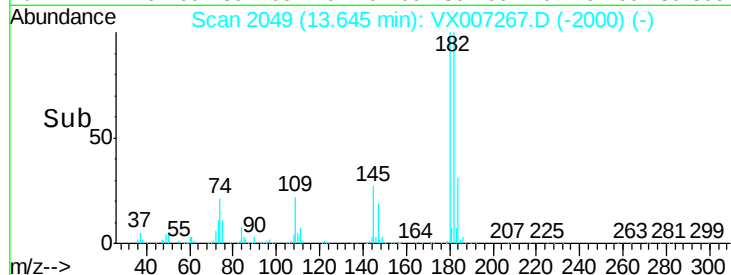
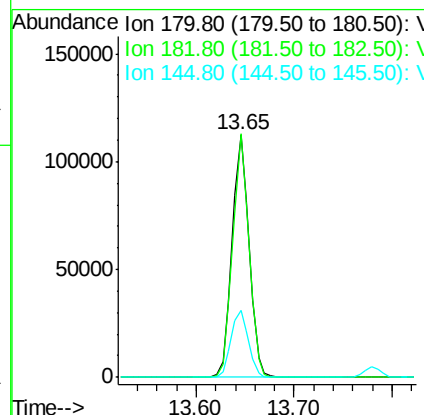
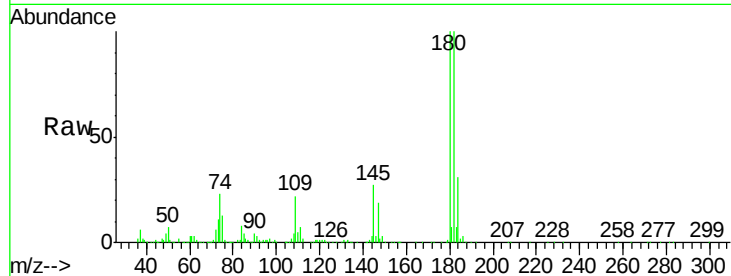
ClientSampleId :

VX0128WBSD01

Tot Ion:	180	Resp:	136021
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.3	142.0
145	28.5	14.8	44.3

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM



#94

Hexachlorobutadiene

Concen: 19.725 ug/l

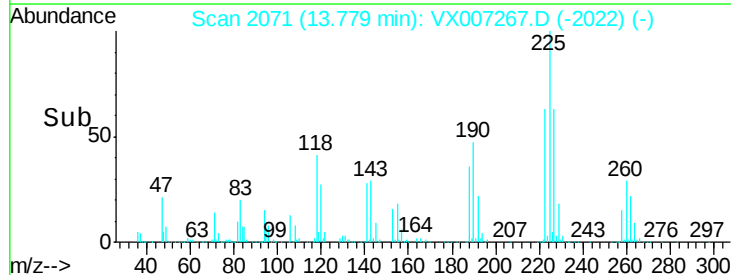
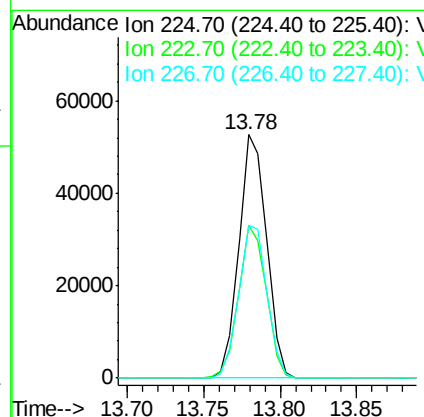
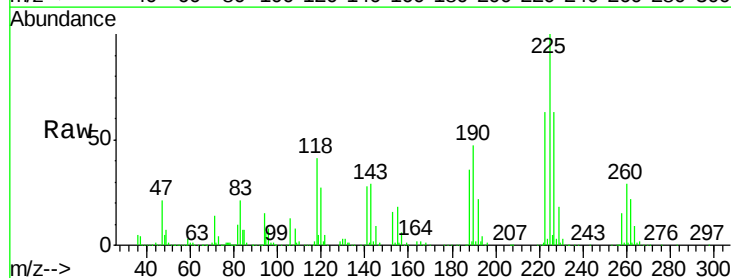
RT: 13.78 min Scan# 2071

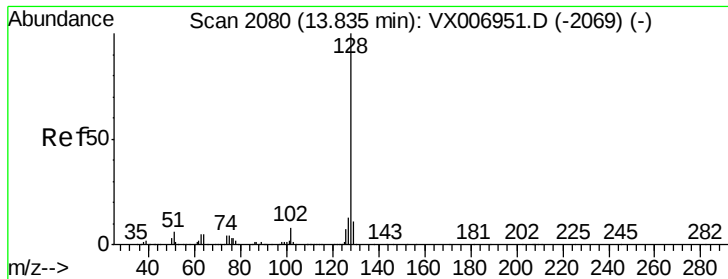
Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tgt Ion:	225	Resp:	66090
Ion Ratio	Lower	Upper	
225	100		
223	62.4	32.1	96.3
227	64.2	32.3	96.8





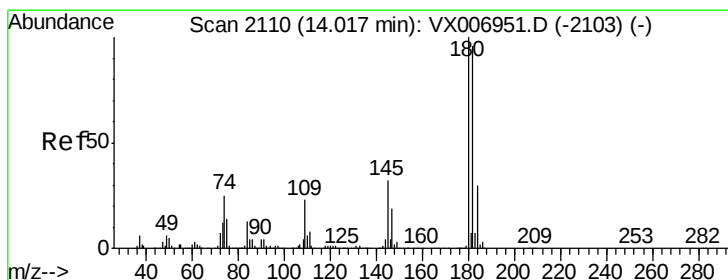
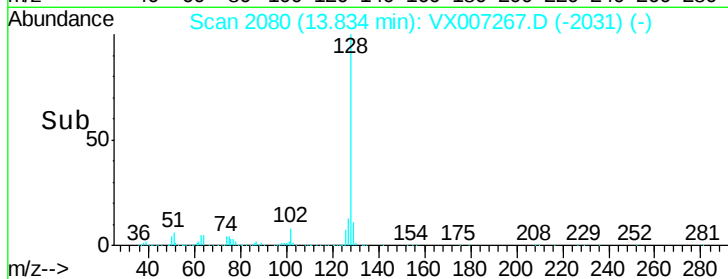
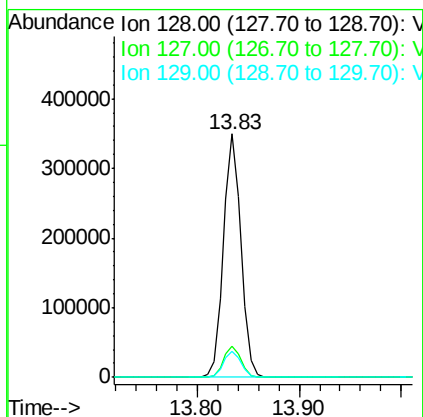
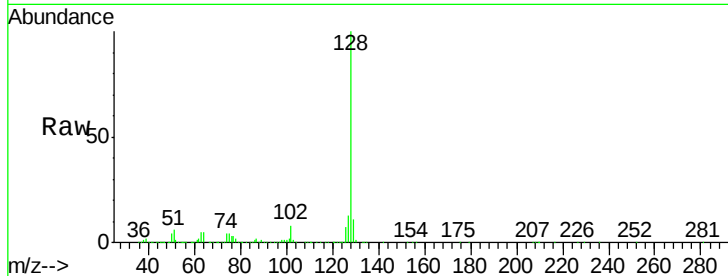
#95
Naphthalene
Concen: 18.264 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	417860		
127	13.0		10.1	15.1
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:51:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.538 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	139041		
182	96.4		48.5	145.5
145	30.1		16.0	47.9

