

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006592.D
 Acq On : 18 Dec 2018 12:31
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:05 AM

Quant Time: Dec 19 00:55:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 00:31:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	616939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	930505	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	874541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	453290	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	637167	95.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.66%	
35) Dibromofluoromethane	5.50	113	591379	100.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.00%	
50) Toluene-d8	8.71	98	2223710	100.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.48%	
62) 4-Bromofluorobenzene	11.13	95	818206	100.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	526866	93.351	ug/l	97
3) Chloromethane	1.32	50	567662	93.358	ug/l	99
4) Vinyl Chloride	1.41	62	605765	95.389	ug/l	100
5) Bromomethane	1.64	94	589553	85.382	ug/l	98
6) Chloroethane	1.71	64	492517	112.008	ug/l	97
7) Trichlorofluoromethane	1.92	101	947927	95.741	ug/l	99
8) Diethyl Ether	2.19	74	360512	91.674	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	543619	93.512	ug/l	98
10) Methyl Iodide	2.51	142	888277	106.744	ug/l	99
11) Tert butyl alcohol	3.09	59	712175	479.935	ug/l	99
12) 1,1-Dichloroethene	2.37	96	523084	94.896	ug/l	98
13) Acrolein	2.30	56	503343	502.816	ug/l	98
14) Allyl chloride	2.73	41	924203	99.609	ug/l	100
15) Acrylonitrile	3.15	53	1642001	498.374	ug/l	100
16) Acetone	2.45	43	1403261	459.362	ug/l	100
17) Carbon Disulfide	2.57	76	1436655	98.487	ug/l	99
18) Methyl Acetate	2.78	43	865592	96.363	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	1800403	98.410	ug/l	99
20) Methylene Chloride	2.85	84	586025	92.772	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	565874	92.652	ug/l	97
22) Diisopropyl ether	3.87	45	1668875	98.319	ug/l	94
23) Vinyl Acetate	3.82	43	6901338	497.062	ug/l	99
24) 1,1-Dichloroethane	3.70	63	942305	92.996	ug/l	99
25) 2-Butanone	4.70	43	2030473	472.537	ug/l	99
26) 2,2-Dichloropropane	4.58	77	775525	99.081	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	650162	96.485	ug/l	100
28) Bromochloromethane	5.02	49	440744	94.606	ug/l	100
29) Tetrahydrofuran	5.15	42	1364431	482.111	ug/l	100
30) Chloroform	5.21	83	1019448	97.155	ug/l	99
31) Cyclohexane	5.57	56	860244	93.450	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	899595	101.533	ug/l	100
36) 1,1-Dichloropropene	5.80	75	758335	98.399	ug/l	100
37) Ethyl Acetate	4.86	43	794363	99.032	ug/l	99
38) Carbon Tetrachloride	5.78	117	790938	105.603	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006592.D
 Acq On : 18 Dec 2018 12:31
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:05 AM

Quant Time: Dec 19 00:55:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 00:31:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	979002	96.490	ug/l	99
40) Benzene	6.14	78	2301258	98.236	ug/l	99
41) Methacrylonitrile	5.06	41	439553	97.514	ug/l	99
42) 1,2-Dichloroethane	6.20	62	761203	95.359	ug/l	99
43) Isopropyl Acetate	6.46	43	1294648	106.077	ug/l	99
44) Trichloroethene	7.21	130	686858	96.873	ug/l	97
45) 1,2-Dichloropropane	7.51	63	570967	100.158	ug/l	99
46) Dibromomethane	7.66	93	409777	97.725	ug/l	97
47) Bromodichloromethane	7.90	83	746461	107.226	ug/l	98
48) Methyl methacrylate	7.77	41	655020	105.538	ug/l	100
49) 1,4-Dioxane	7.76	88	329384	1875.700	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	3985686	513.254	ug/l	99
52) Toluene	8.79	92	1514994	100.104	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	872089	116.805	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	928699	113.362	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	620784	100.213	ug/l	99
56) Ethyl methacrylate	9.18	69	929398	106.152	ug/l	99
57) 1,3-Dichloropropane	9.37	76	991948	99.528	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	2402754	516.271	ug/l	100
59) 2-Hexanone	9.50	43	3064266	515.736	ug/l	100
60) Dibromochloromethane	9.59	129	678881	118.979	ug/l	98
61) 1,2-Dibromoethane	9.67	107	688319	104.526	ug/l	100
64) Tetrachloroethene	9.34	164	642921	92.840	ug/l	97
65) Chlorobenzene	10.14	112	1797353	97.145	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	634931	109.993	ug/l	99
67) Ethyl Benzene	10.25	91	2958315	97.851	ug/l	99
68) m/p-Xylenes	10.36	106	2366835	198.396	ug/l	99
69) o-Xylene	10.70	106	1160986	98.552	ug/l	99
70) Styrene	10.71	104	1884039	101.089	ug/l	100
71) Bromoform	10.86	173	520664	118.476	ug/l #	99
73) Isopropylbenzene	11.02	105	3050808	98.380	ug/l	100
74) N-amyl acetate	10.90	43	1182905	106.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	935786	101.467	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	858776m	106.948	ug/l	
77) Bromobenzene	11.26	156	820490	97.866	ug/l	98
78) n-propylbenzene	11.36	91	3433536	100.546	ug/l	100
79) 2-Chlorotoluene	11.42	91	1976527	95.510	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2520899	98.695	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	284714	121.061	ug/l	95
82) 4-Chlorotoluene	11.51	91	2323933	97.899	ug/l	100
83) tert-Butylbenzene	11.77	119	2595611	101.535	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	2592529	96.498	ug/l	99
85) sec-Butylbenzene	11.94	105	3110162	99.231	ug/l	100
86) p-Isopropyltoluene	12.07	119	2795553	101.467	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	1513159	100.145	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1509885	97.362	ug/l	99
89) n-Butylbenzene	12.39	91	2452564	104.598	ug/l	99
90) Hexachloroethane	12.60	117	442082	117.791	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	1474812	97.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	207204	108.582	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
Data File : VX006592.D
Acq On : 18 Dec 2018 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

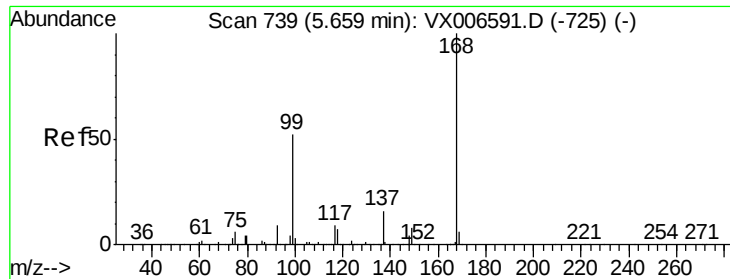
Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM

Quant Time: Dec 19 00:55:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 00:31:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1085409	104.104	ug/l	99
94) Hexachlorobutadiene	13.78	225	498913	101.522	ug/l	99
95) Naphthalene	13.83	128	3353687	100.781	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1081997	100.511	ug/l	99

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



#1

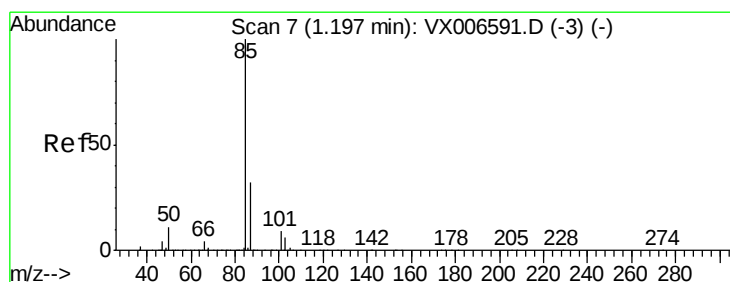
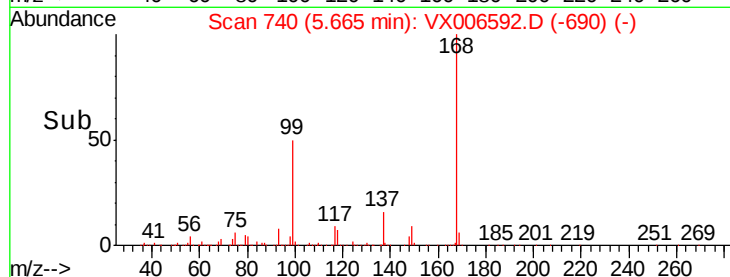
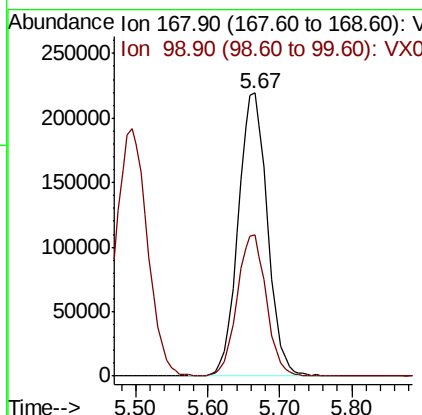
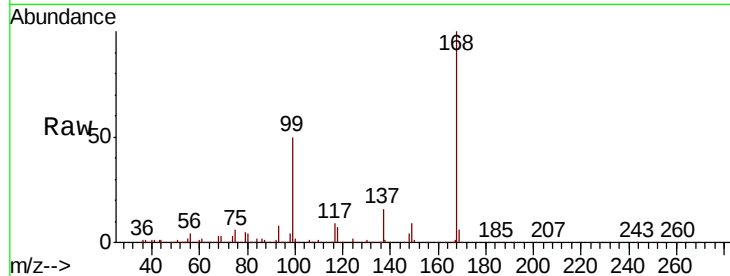
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.6	41.8	62.8

Manual Integrations
 APPROVED

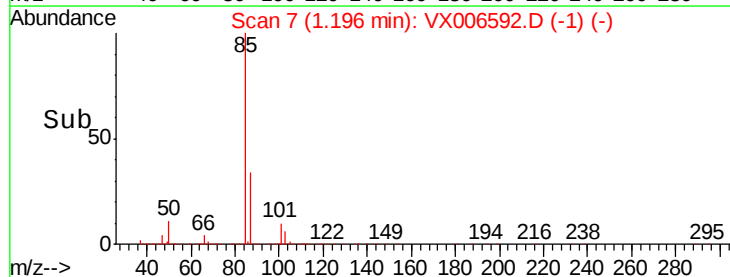
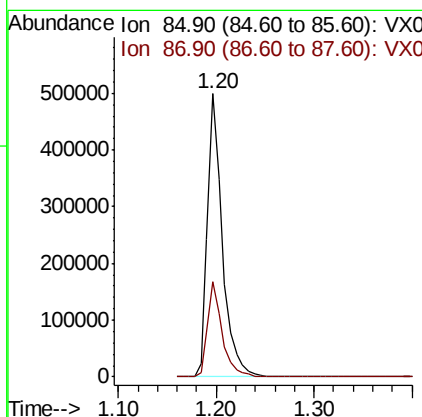
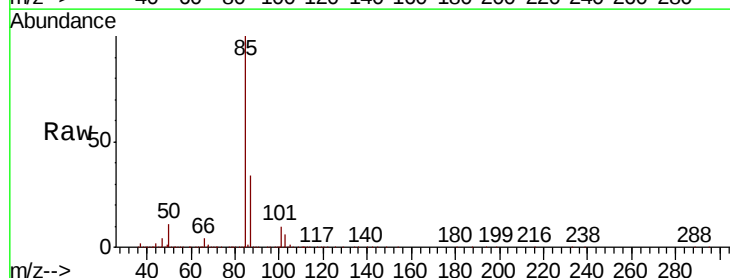
MMDadoda
 12/19/2018 11:22:05 AM

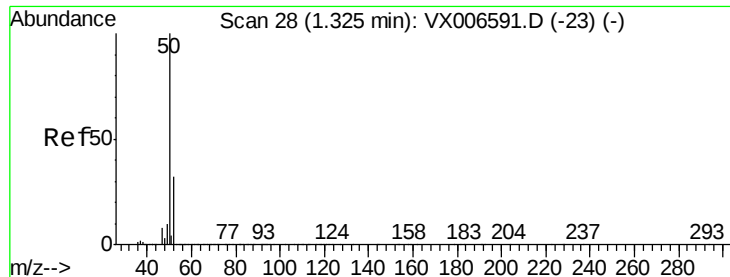


#2

Dichlorodifluoromethane
 Concen: 93.351 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.6	15.9	47.6





#3

Chloromethane

Concen: 93.358 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 567662

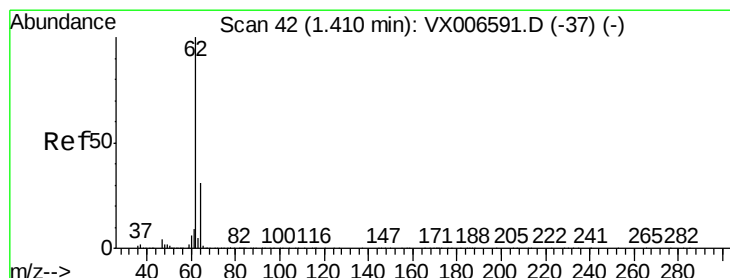
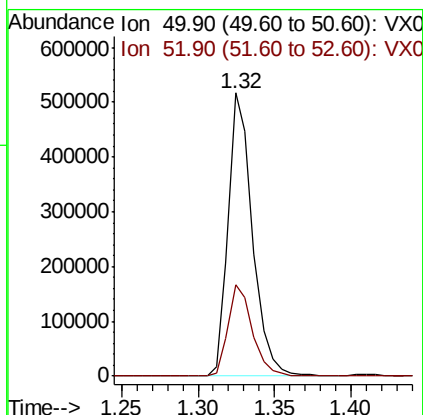
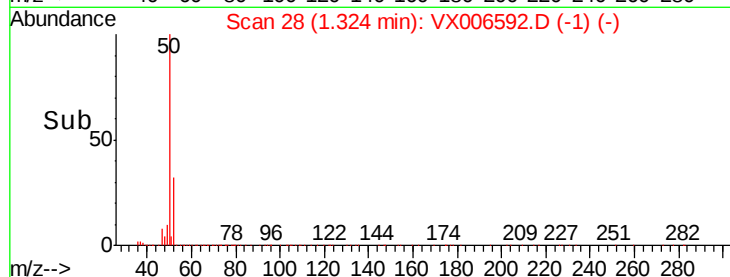
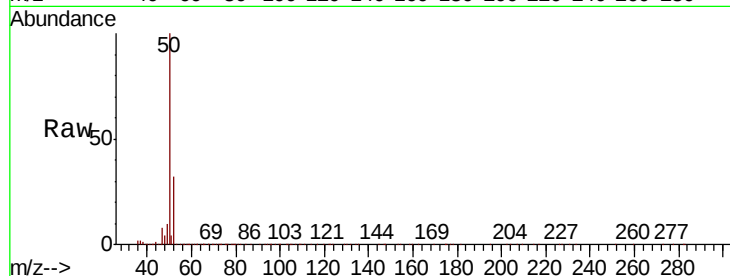
Ion Ratio Lower Upper

50 100

52 32.3 25.4 38.2

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#4

Vinyl Chloride

Concen: 95.389 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006592.D

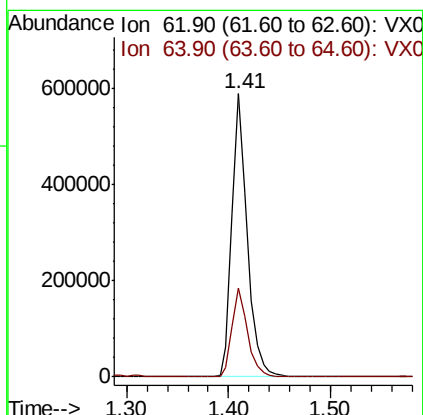
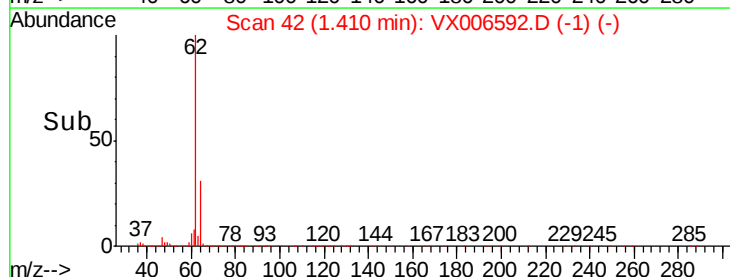
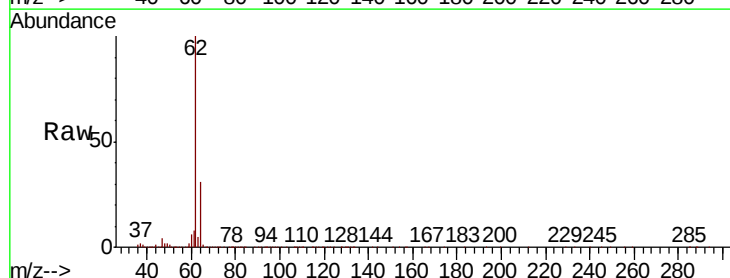
Acq: 18 Dec 2018 12:31

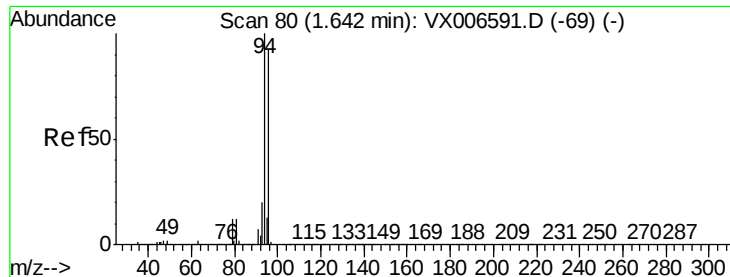
Tgt Ion: 62 Resp: 605765

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 85.382 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 589553

Ion Ratio Lower Upper

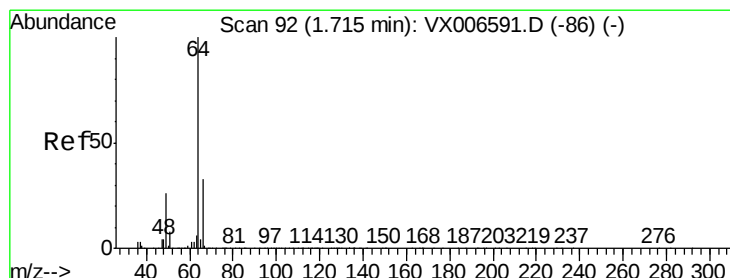
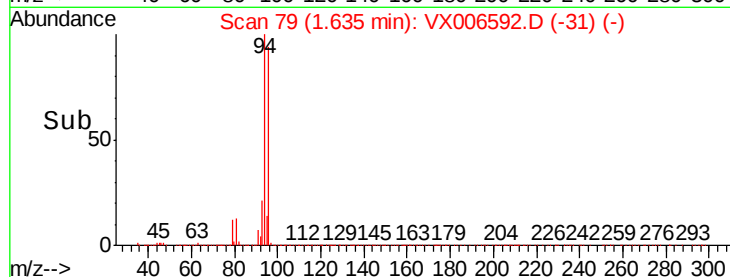
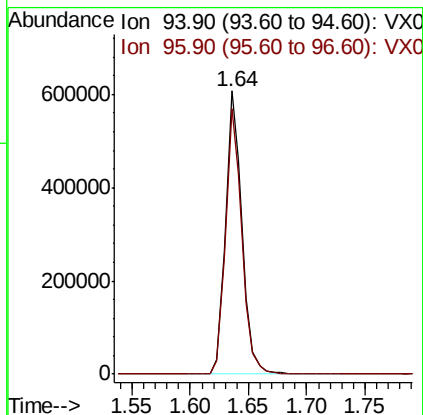
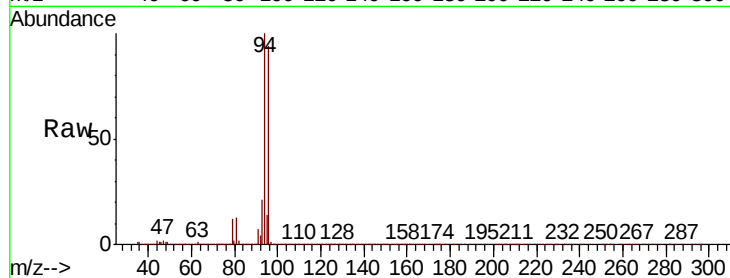
94 100

96 94.0 73.4 110.2

Manual Integrations
APPROVED

MMDadoda

12/19/2018 11:22:05 AM



#6

Chloroethane

Concen: 112.008 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX006592.D

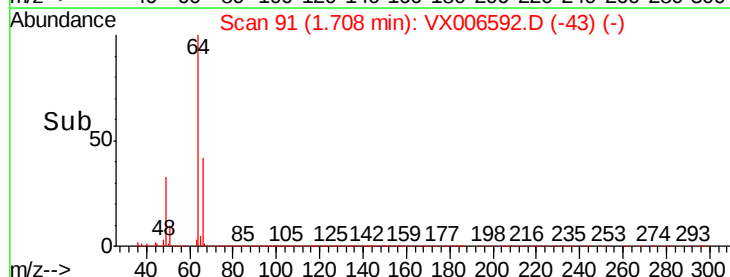
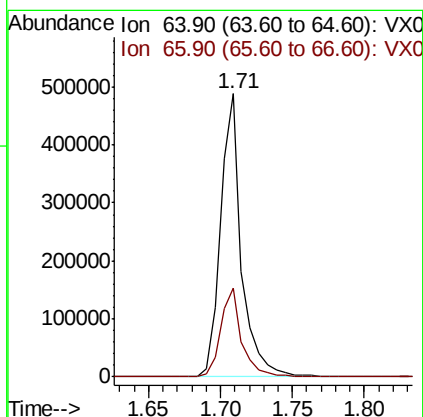
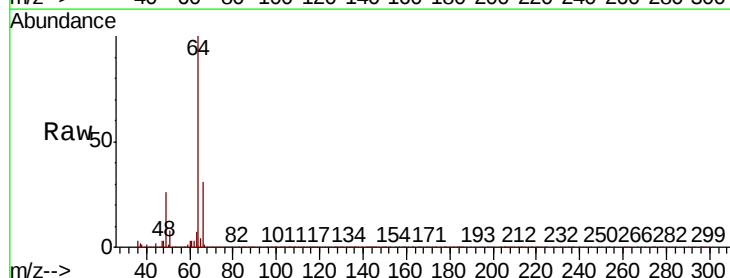
Acq: 18 Dec 2018 12:31

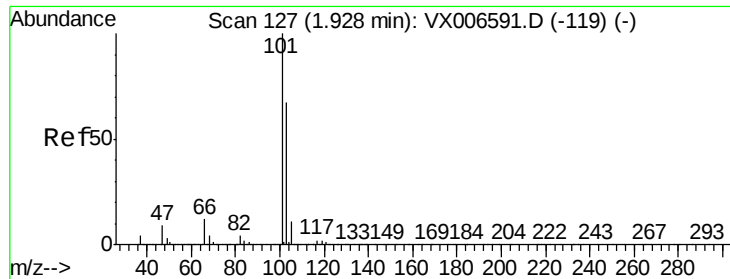
Tgt Ion: 64 Resp: 492517

Ion Ratio Lower Upper

64 100

66 31.5 26.4 39.6





#7

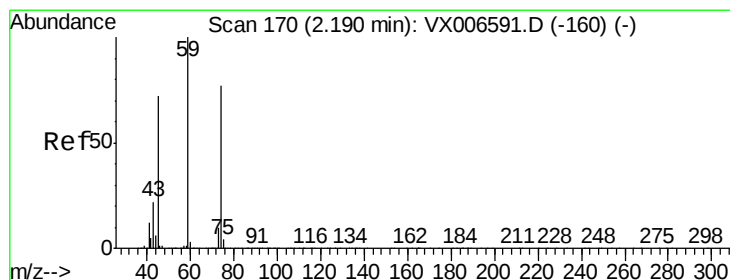
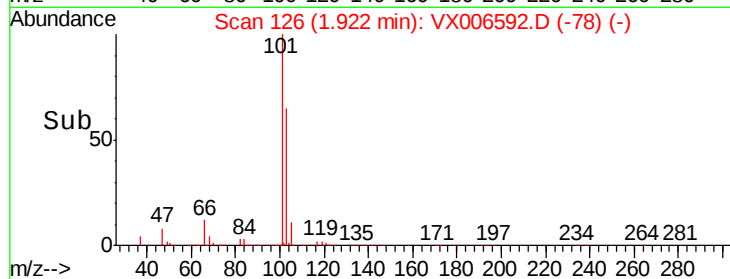
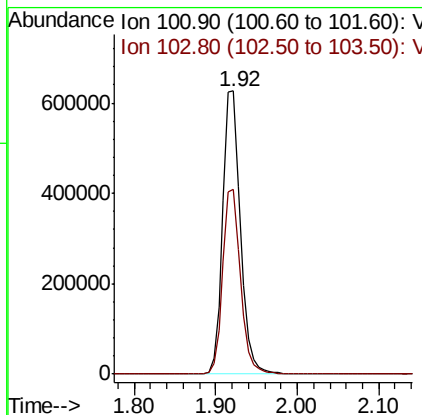
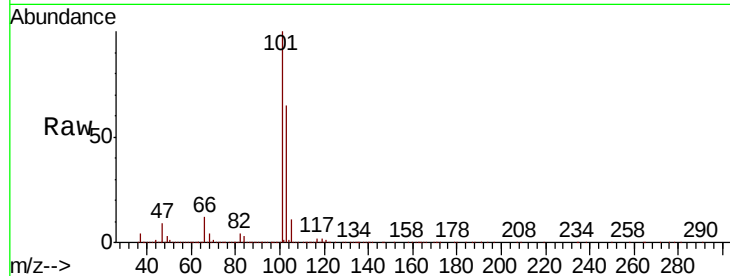
Trichlorofluoromethane
Concen: 95.741 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.2	79.8

Manual Integrations
APPROVED

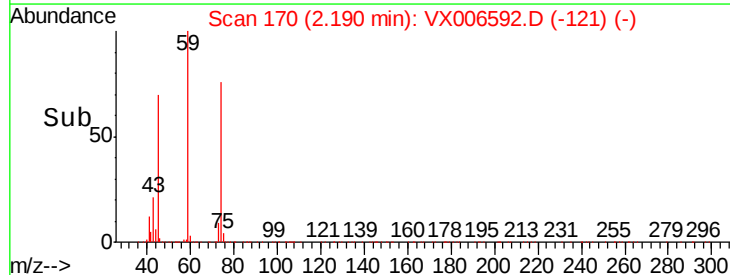
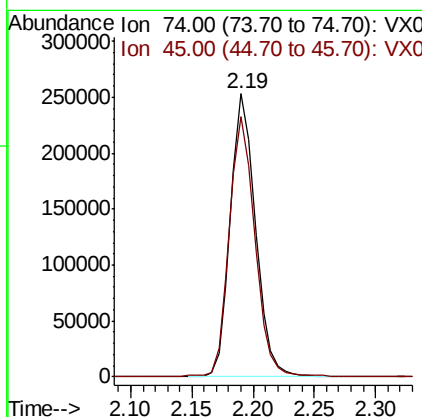
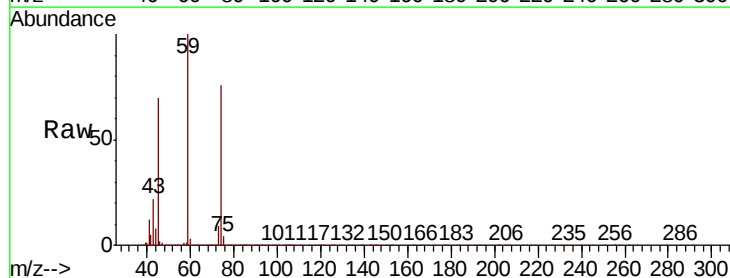
MMDadoda
12/19/2018 11:22:05 AM

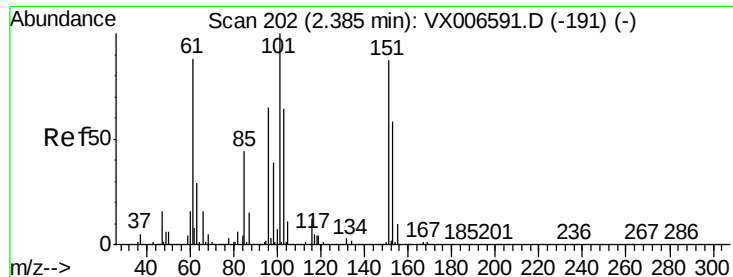


#8

Diethyl Ether
Concen: 91.674 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.512 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

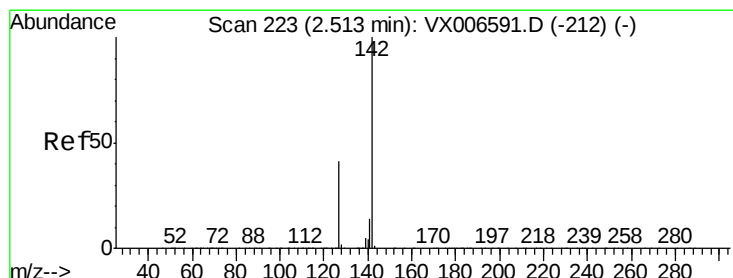
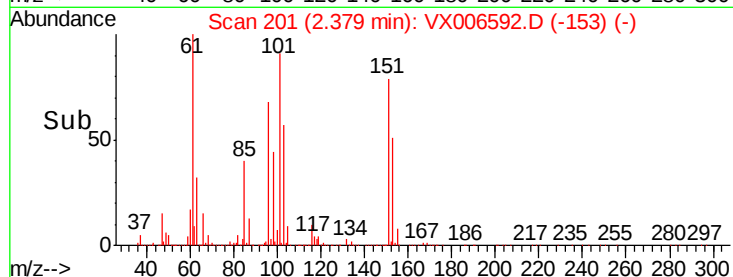
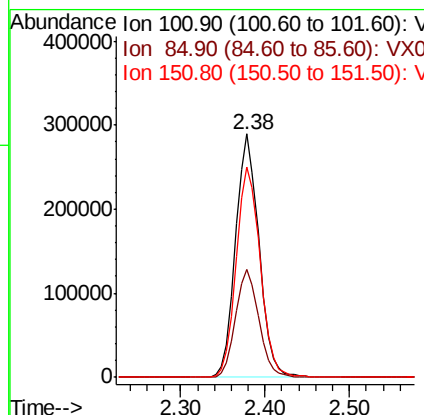
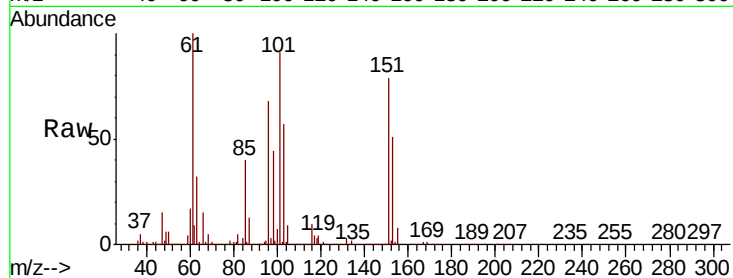
ClientSampleId :

VSTDICC100

Tot Ion:	101	Resp:	543619
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.1	52.7
151	88.2	68.9	103.3

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#10

Methyl Iodide

Concen: 106.744 ug/l

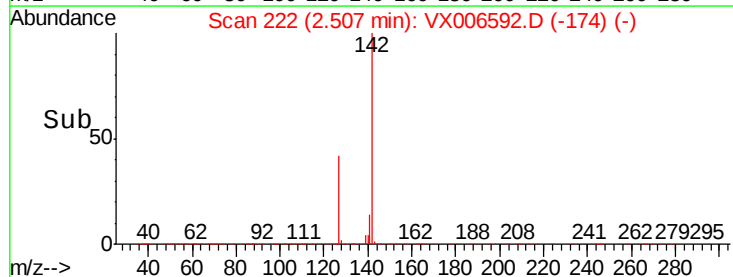
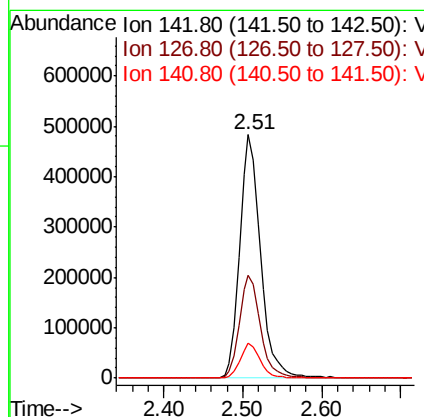
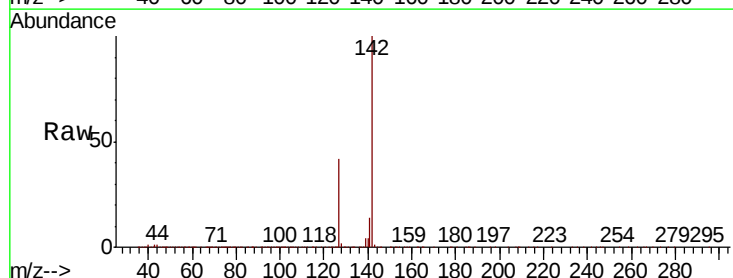
RT: 2.51 min Scan# 222

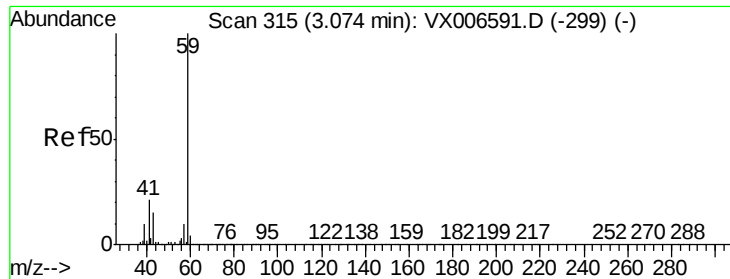
Delta R.T. -0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion:	142	Resp:	888277
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.9	50.9
141	14.0	11.4	17.0





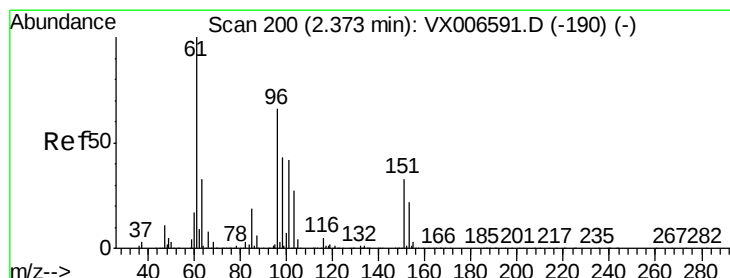
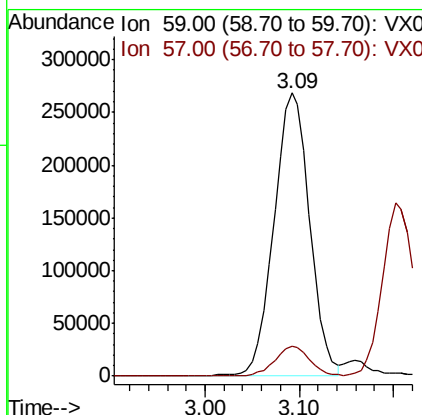
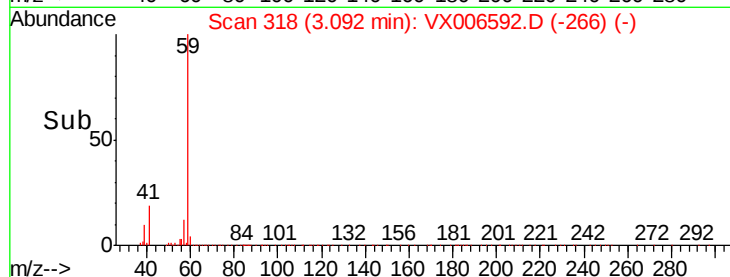
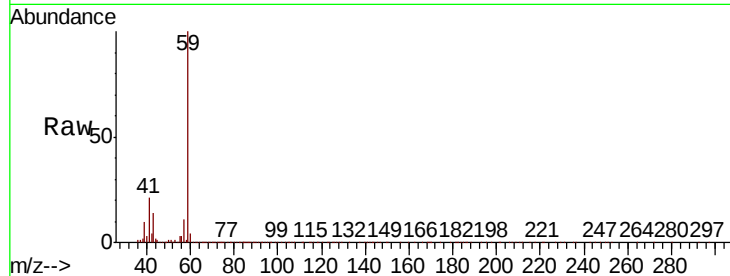
#11
Tert butyl alcohol
Concen: 479.935 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

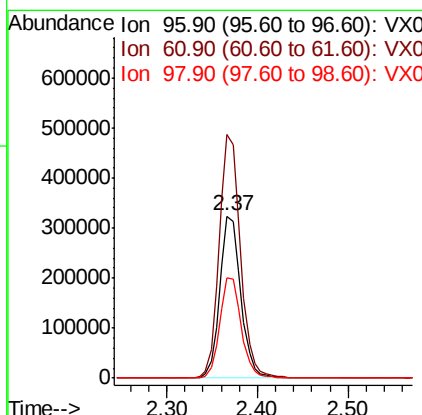
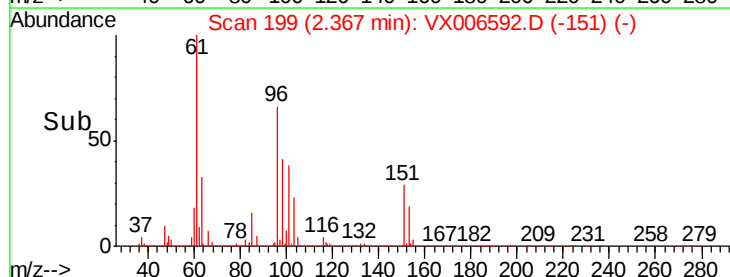
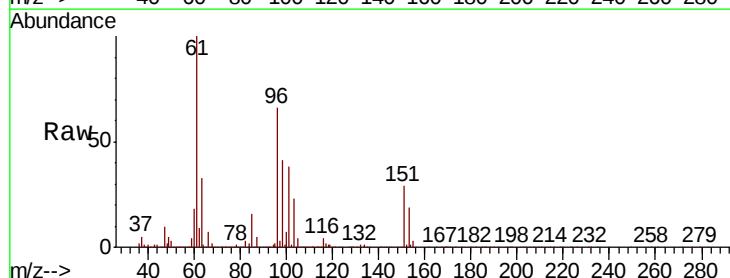
Manual Integrations
APPROVED

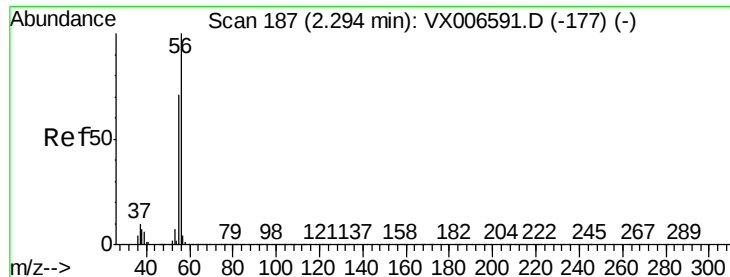
MMDadoda
12/19/2018 11:22:05 AM



#12
1,1-Dichloroethene
Concen: 94.896 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.5	121.4	182.2
98	61.9	51.9	77.9





#13

Acrolein

Concen: 502.816 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 503343

Ion Ratio Lower Upper

56 100

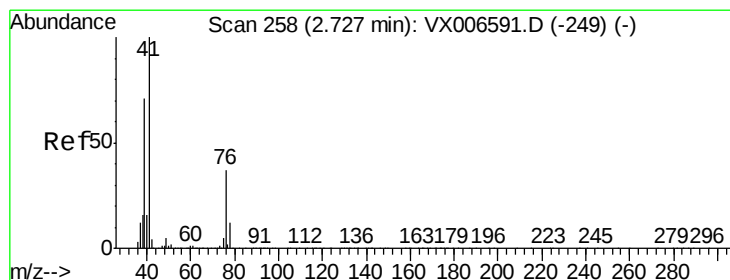
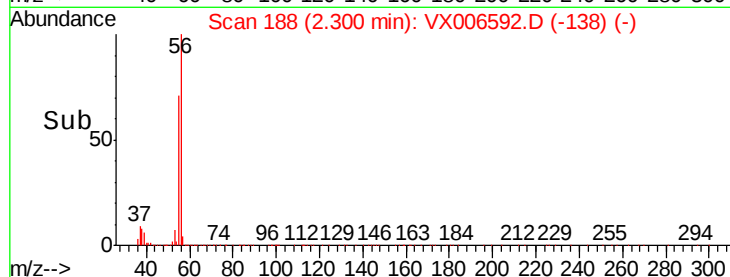
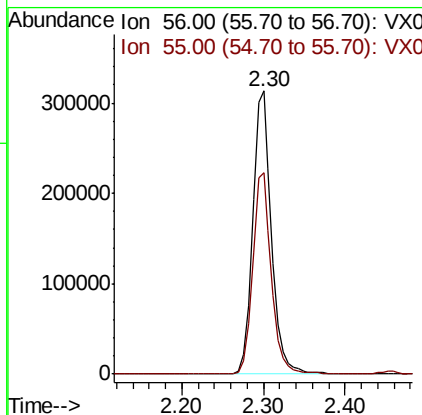
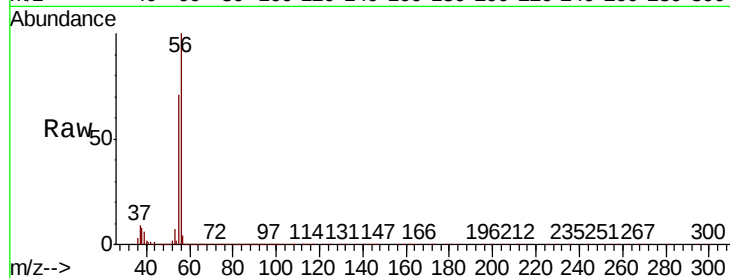
55 71.0 58.2 87.4

Manual Integrations

APPROVED

MMDadoda

12/19/2018 11:22:05 AM



#14

Allyl chloride

Concen: 99.609 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

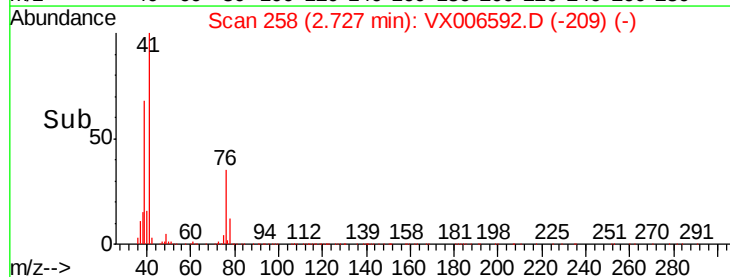
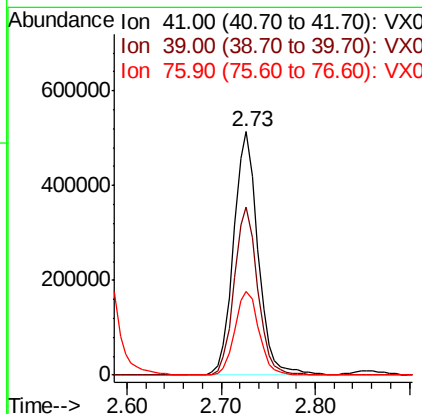
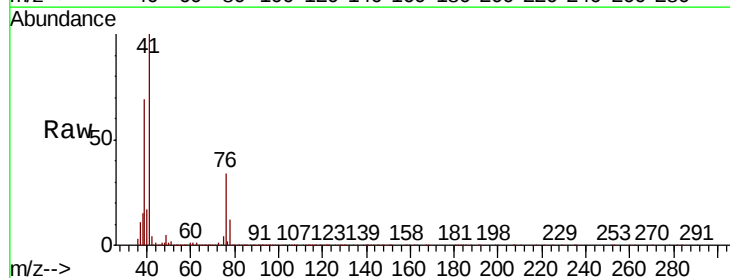
Tgt Ion: 41 Resp: 924203

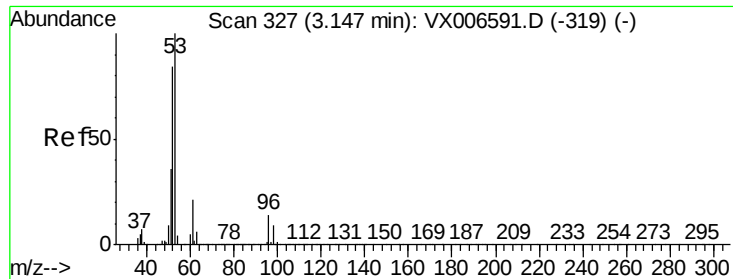
Ion Ratio Lower Upper

41 100

39 66.6 53.6 80.4

76 34.1 27.4 41.2





#15

Acrylonitrile

Concen: 498.374 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

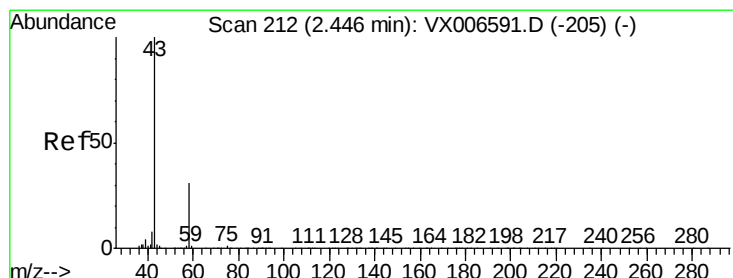
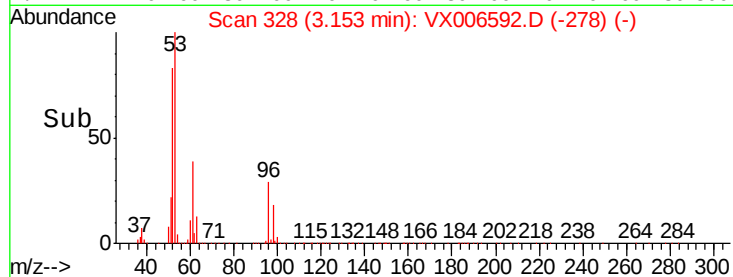
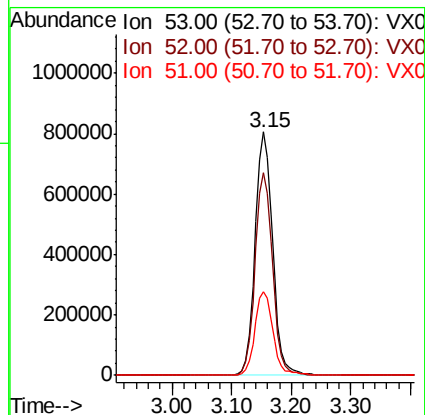
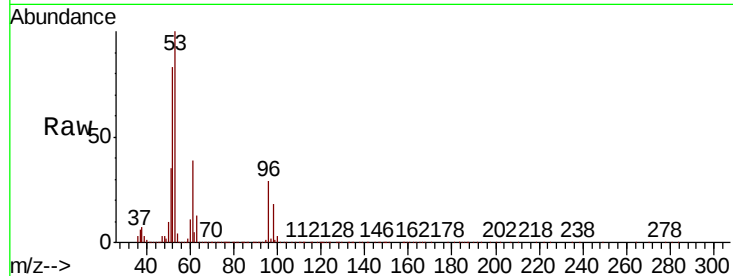
ClientSampleID :

VSTDIC100

Tot Ion:	53	Resp:	1642001
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.0	99.0
51	35.7	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#16

Acetone

Concen: 459.362 ug/l

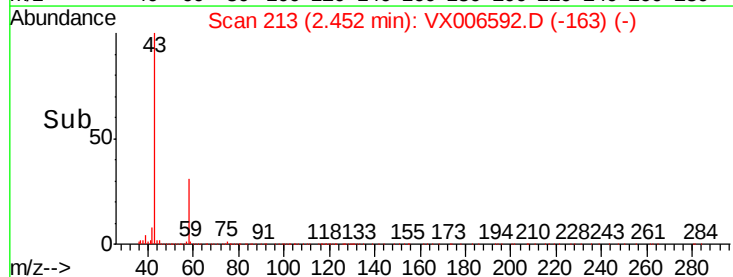
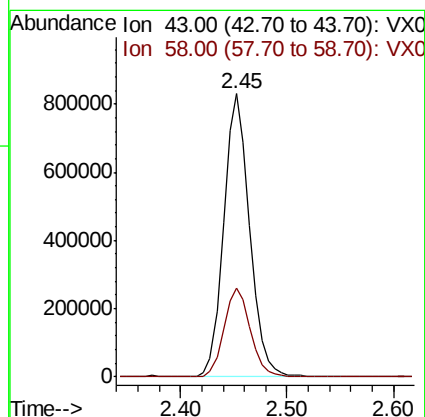
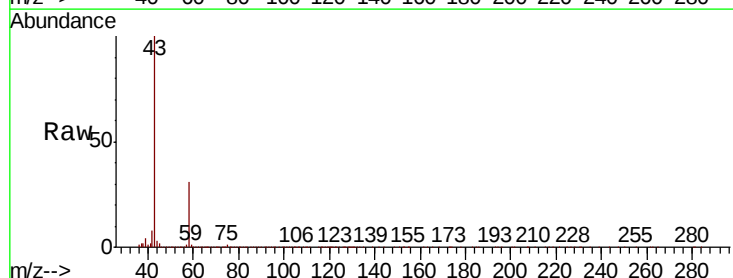
RT: 2.45 min Scan# 213

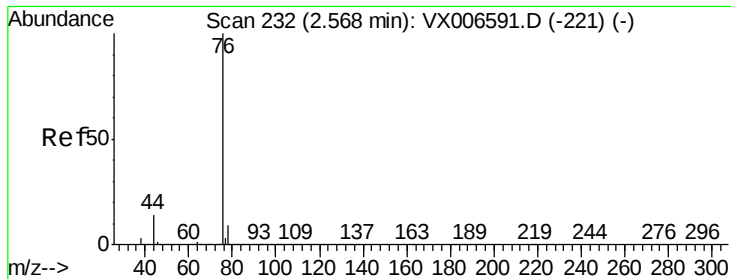
Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion:	43	Resp:	1403261
Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.0	37.6





#17

Carbon Disulfide

Concen: 98.487 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1436655

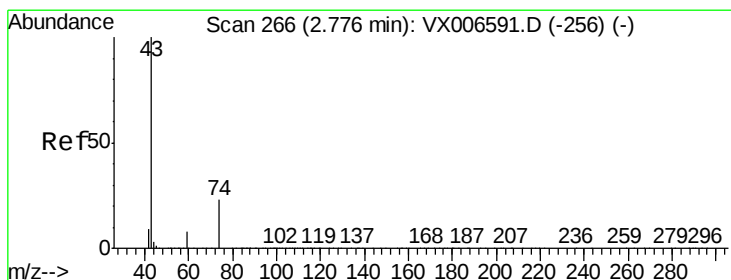
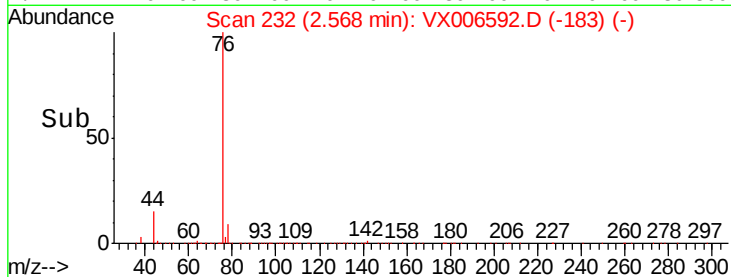
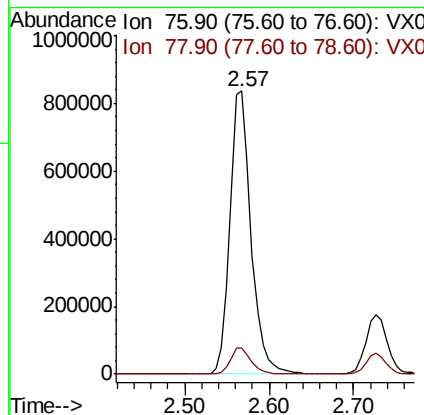
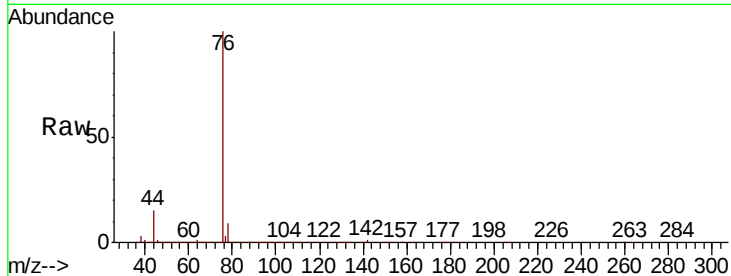
Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#18

Methyl Acetate

Concen: 96.363 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006592.D

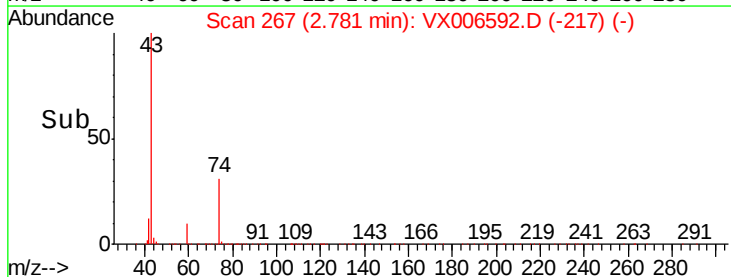
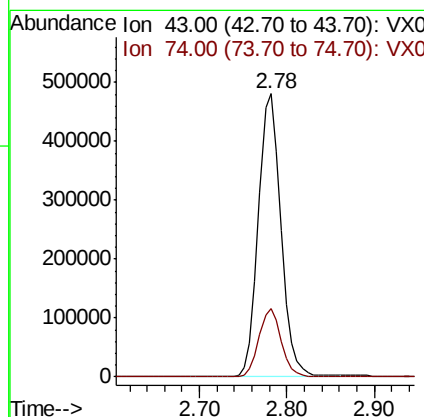
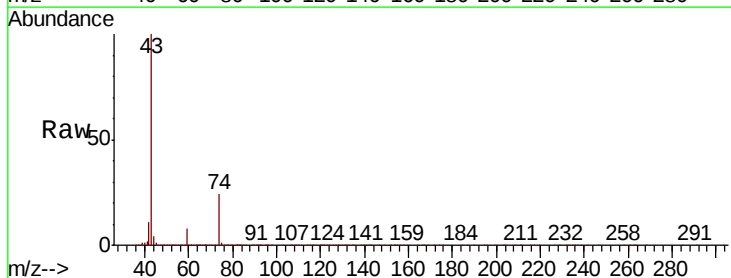
Acq: 18 Dec 2018 12:31

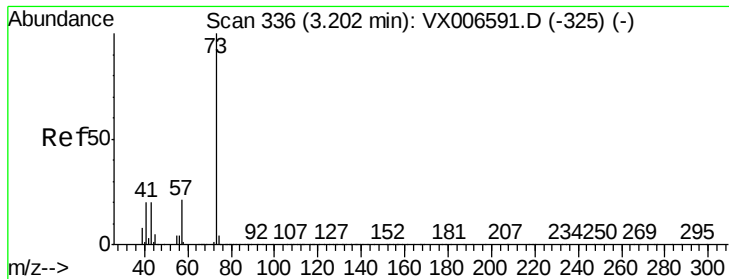
Tgt Ion: 43 Resp: 865592

Ion Ratio Lower Upper

43 100

74 23.8 18.6 28.0





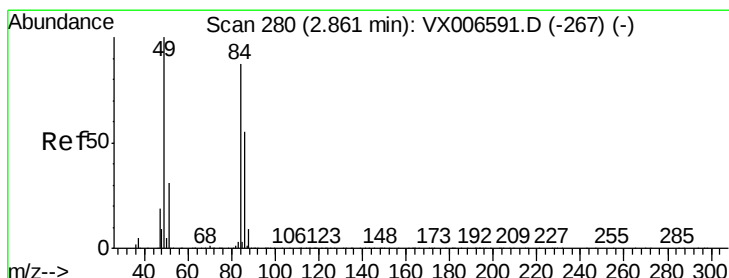
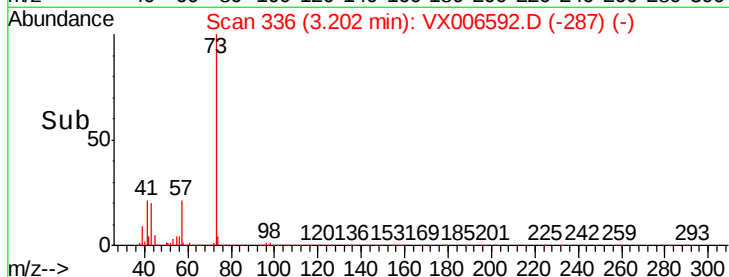
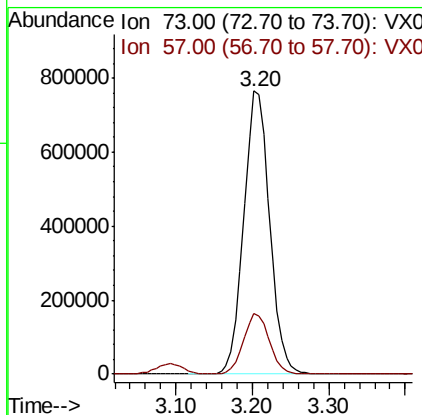
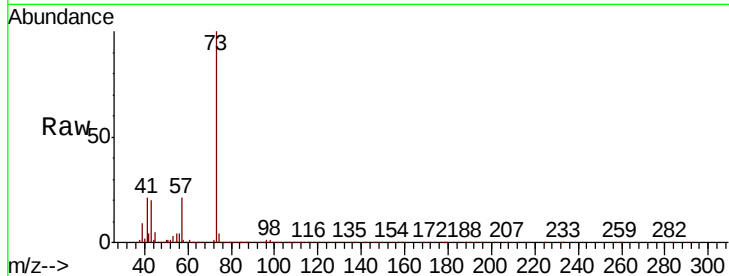
#19
Methvl tert-butvl Ether
Concen: 98.410 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1800403
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2

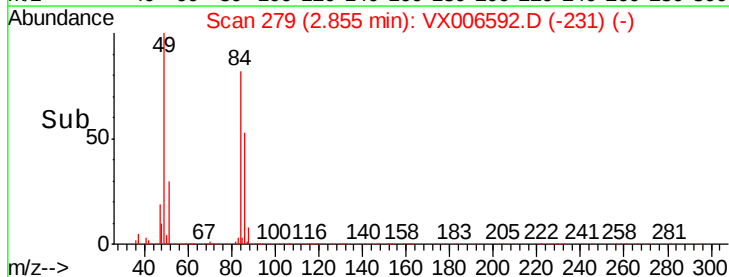
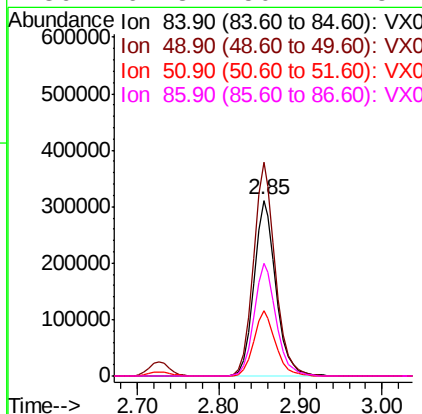
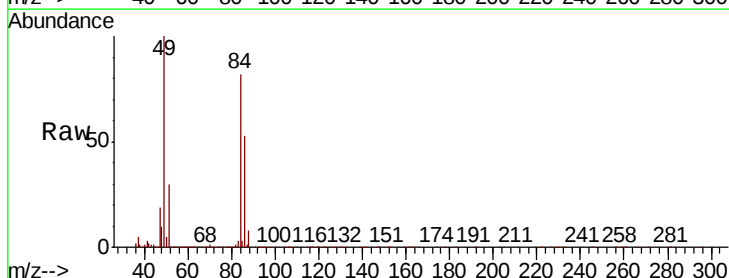
Manual Integrations
APPROVED

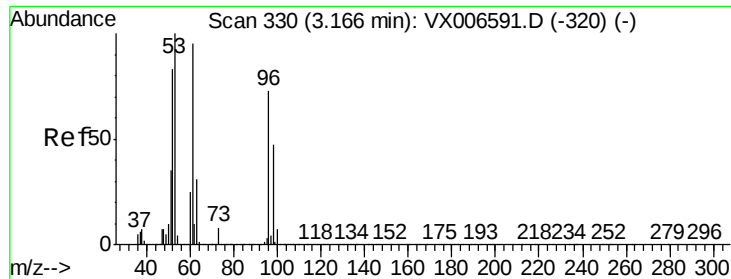
MMDadoda
12/19/2018 11:22:05 AM



#20
Methylene Chloride
Concen: 92.772 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion: 84 Resp: 586025
Ion Ratio Lower Upper
84 100
49 121.5 91.8 137.6
51 37.0 28.5 42.7
86 64.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 92.652 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

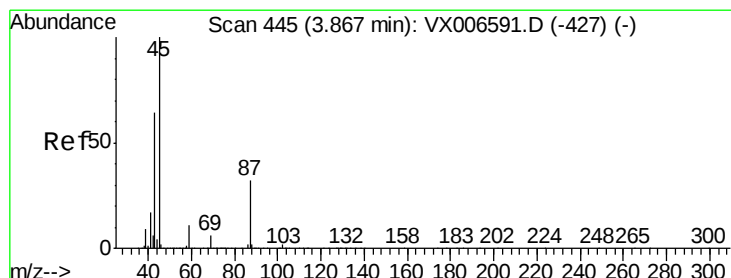
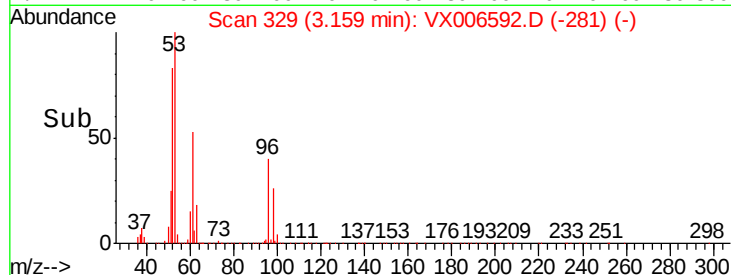
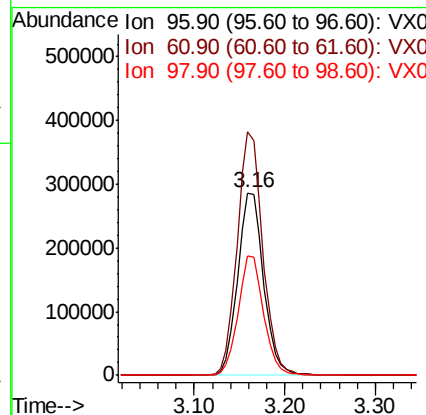
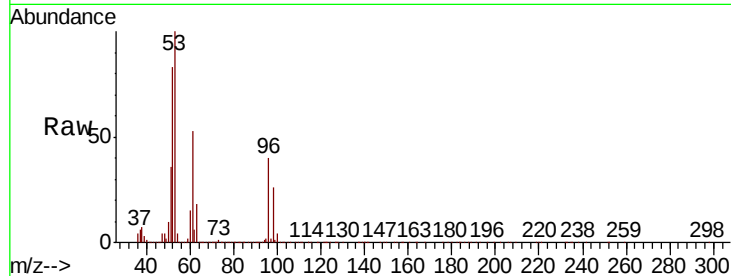
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	565874
Ion Ratio	Lower	Upper	
96	100		
61	133.2	103.7	155.5
98	65.0	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#22

Diisopropyl ether

Concen: 98.319 ug/l

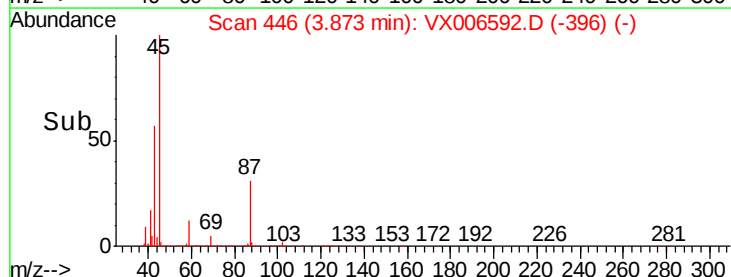
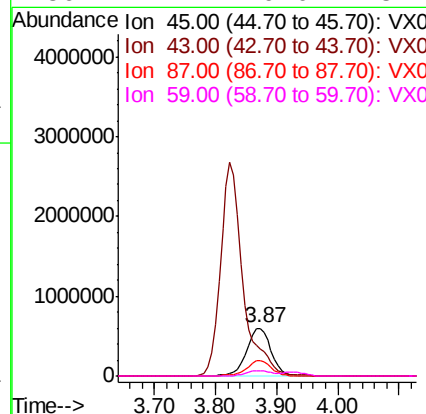
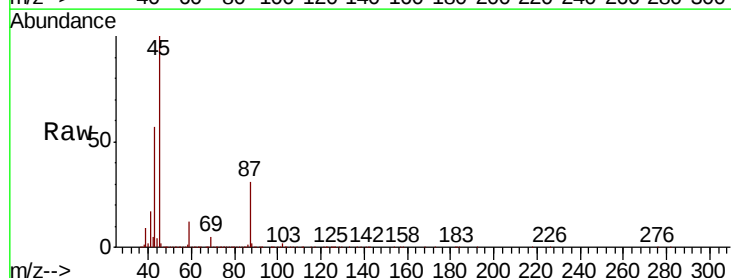
RT: 3.87 min Scan# 446

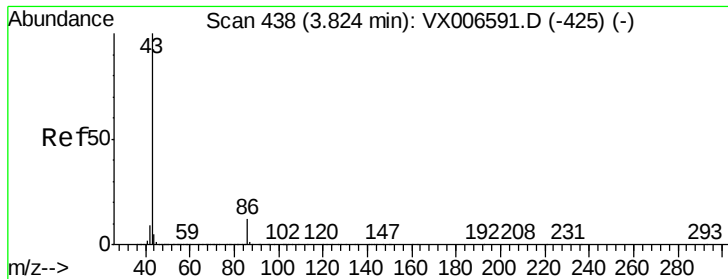
Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion:	45	Resp:	1668875
Ion Ratio	Lower	Upper	
45	100		
43	56.6	51.2	76.8
87	31.1	25.8	38.6
59	12.1	9.0	13.4





#23

Vinyl Acetate

Concen: 497.062 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 6901338

Ion Ratio Lower Upper

43 100

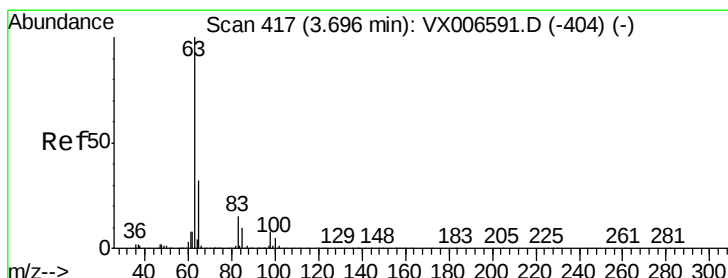
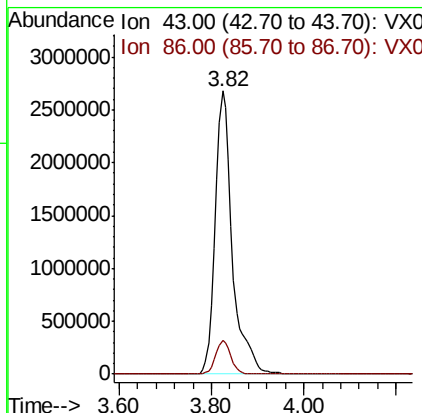
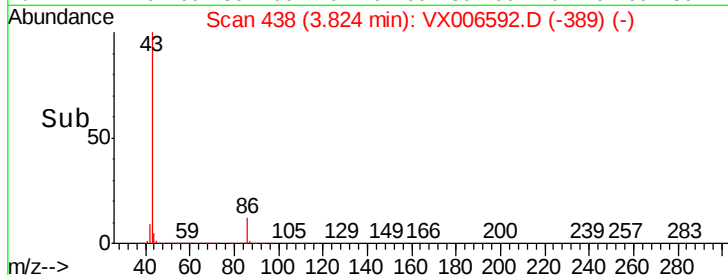
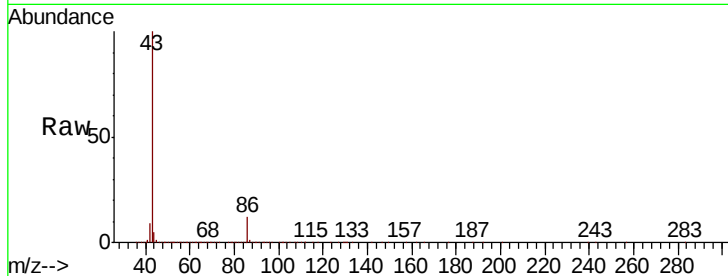
86 11.9 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

12/19/2018 11:22:05 AM



#24

1,1-Dichloroethane

Concen: 92.996 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

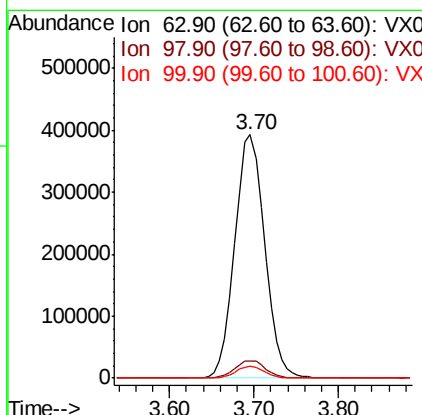
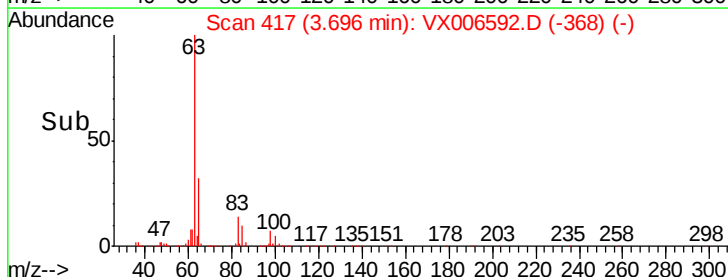
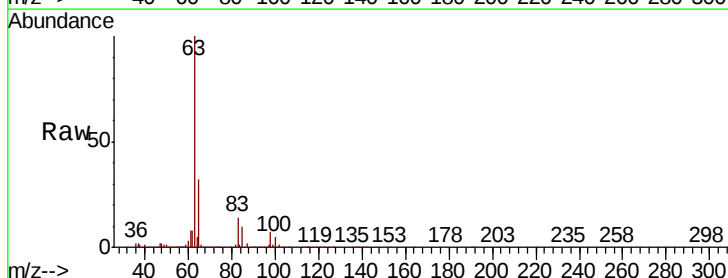
Tgt Ion: 63 Resp: 942305

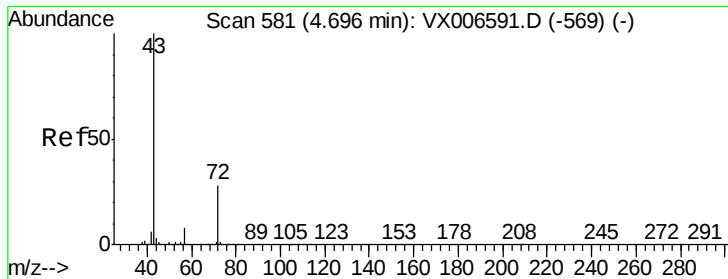
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 472.537 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2030473

Ion Ratio Lower Upper

43 100

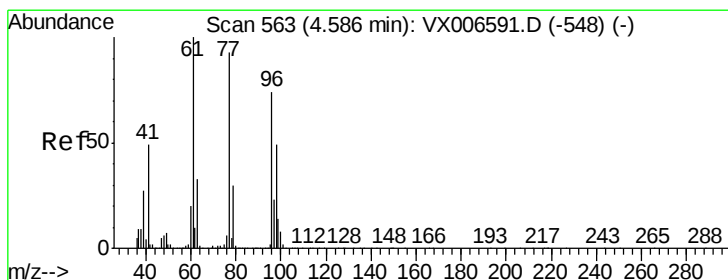
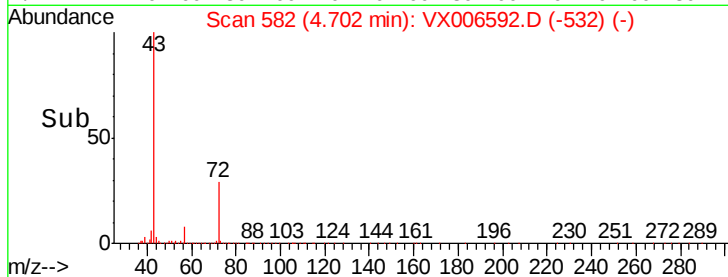
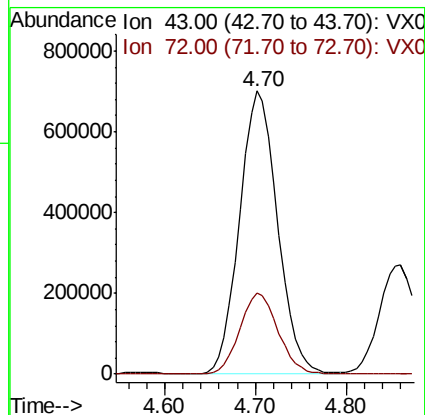
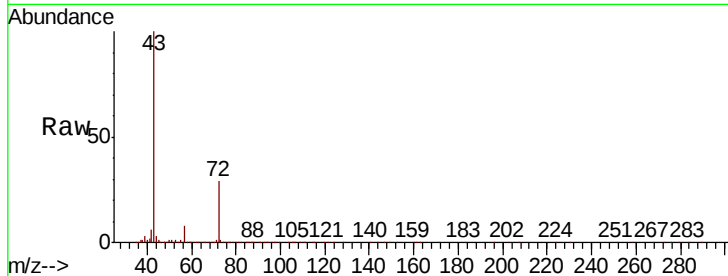
72 28.5 22.4 33.6

Manual Integrations

APPROVED

MMDadoda

12/19/2018 11:22:05 AM



#26

2,2-Dichloropropane

Concen: 99.081 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006592.D

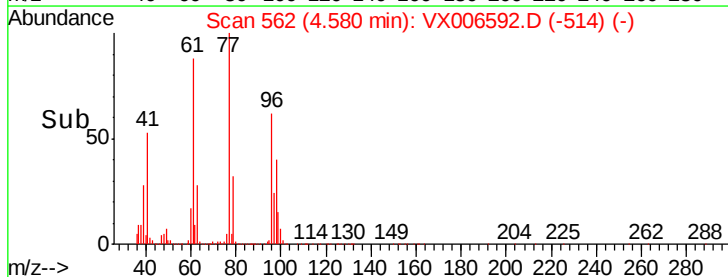
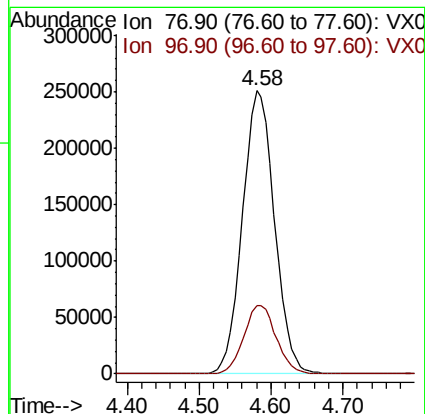
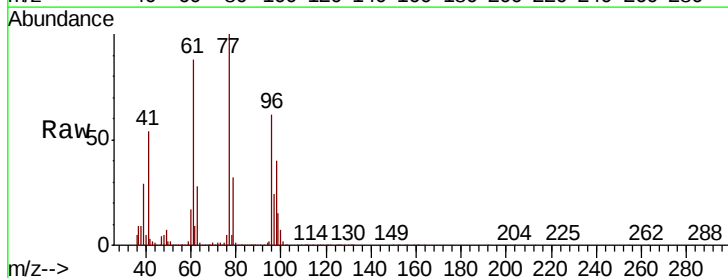
Acq: 18 Dec 2018 12:31

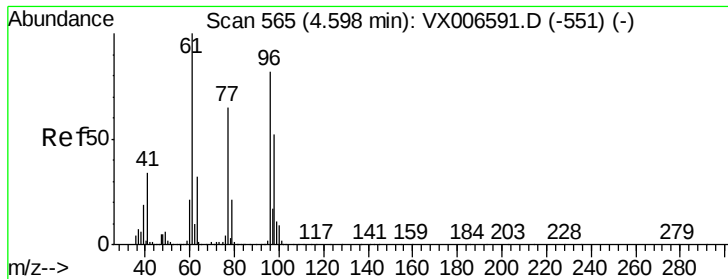
Tgt Ion: 77 Resp: 775525

Ion Ratio Lower Upper

77 100

97 24.5 12.4 37.4





#27

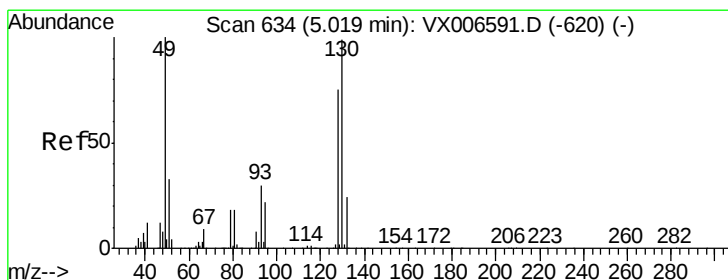
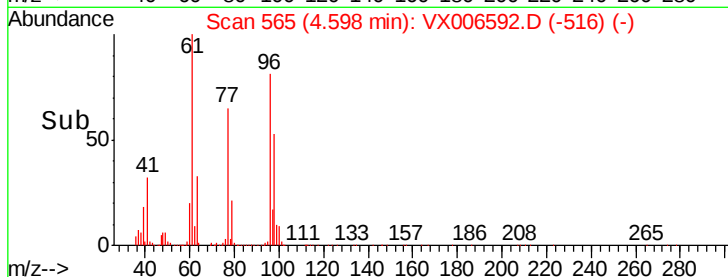
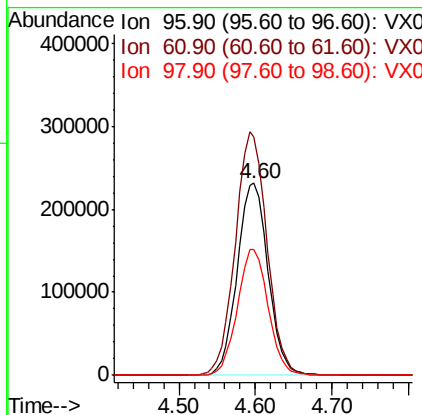
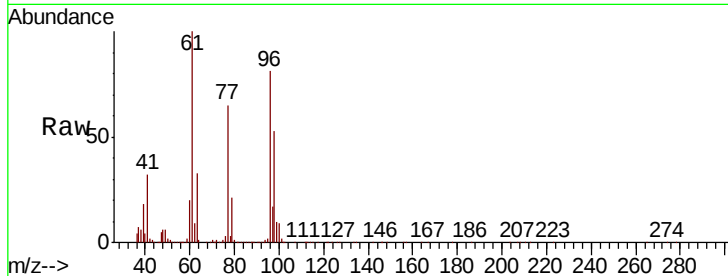
cis-1,2-Dichloroethene
Concen: 96.485 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.8	0.0	258.6
98	65.5	0.0	132.0

Manual Integrations
APPROVED

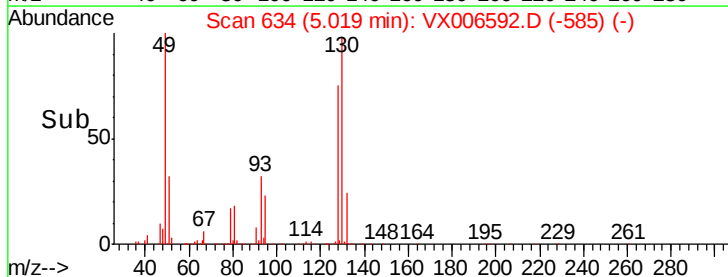
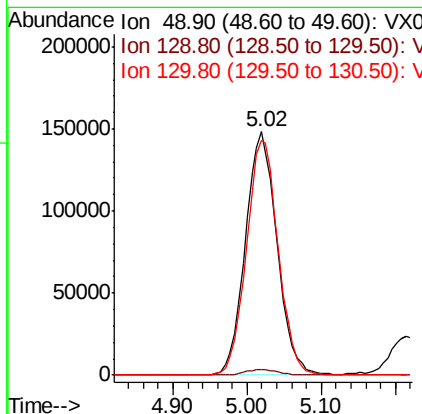
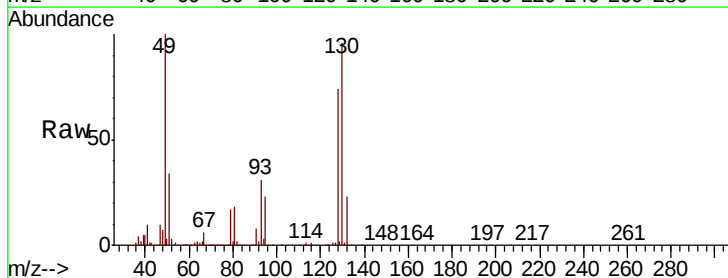
MMDadoda
12/19/2018 11:22:05 AM

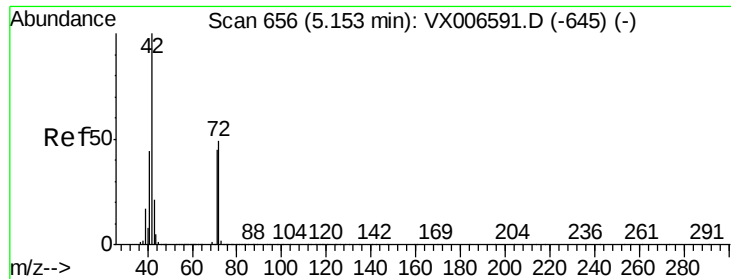


#28

Bromochloromethane
Concen: 94.606 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	97.3	77.7	116.5





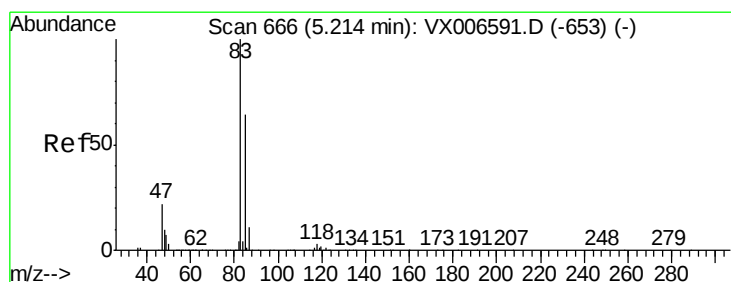
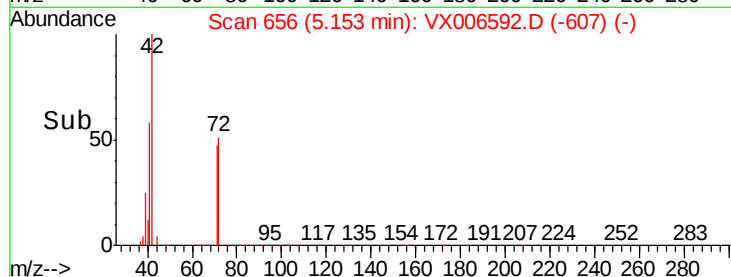
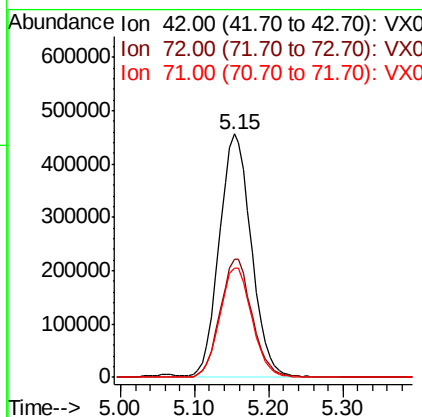
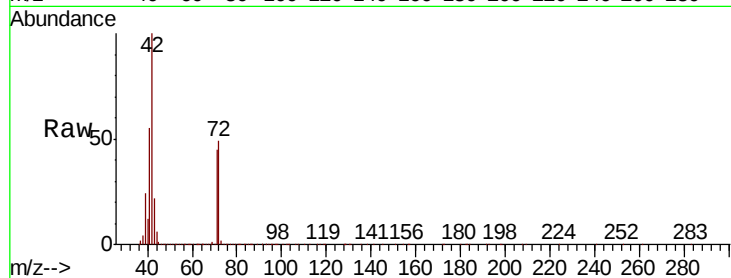
#29
Tetrahydrofuran
Concen: 482.111 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1364431
Ion Ratio Lower Upper
42 100
72 48.8 38.9 58.3
71 45.3 36.2 54.4

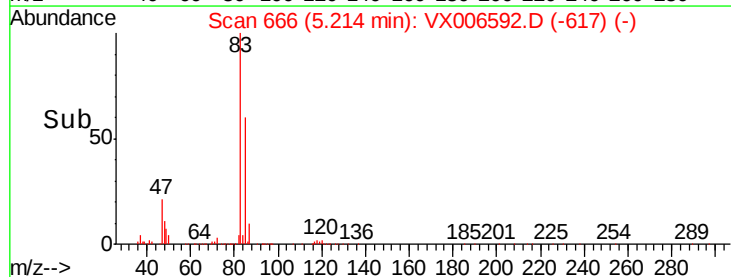
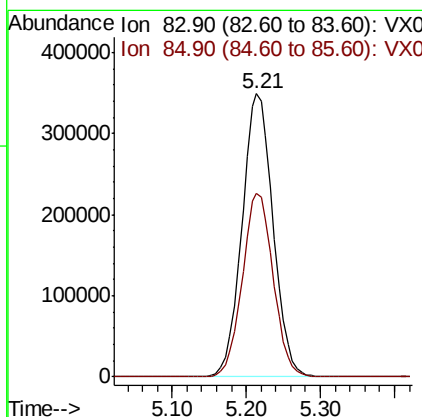
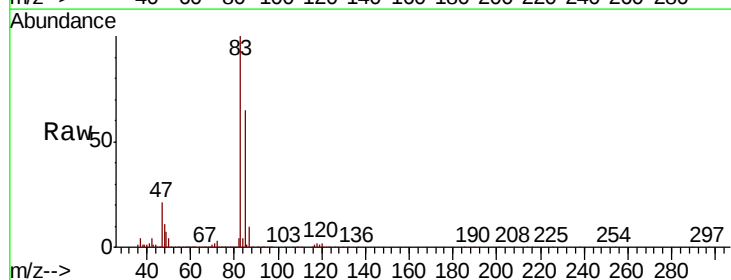
Manual Integrations
APPROVED

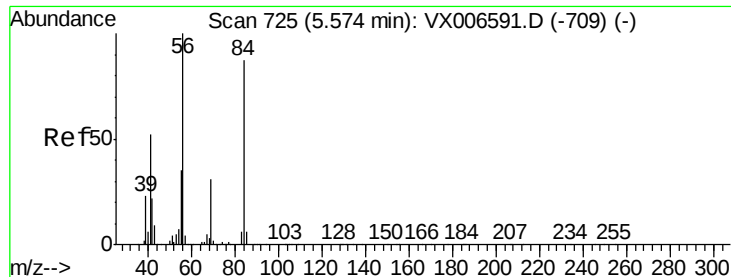
MMDadoda
12/19/2018 11:22:05 AM



#30
Chloroform
Concen: 97.155 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion: 83 Resp: 1019448
Ion Ratio Lower Upper
83 100
85 65.1 51.2 76.8





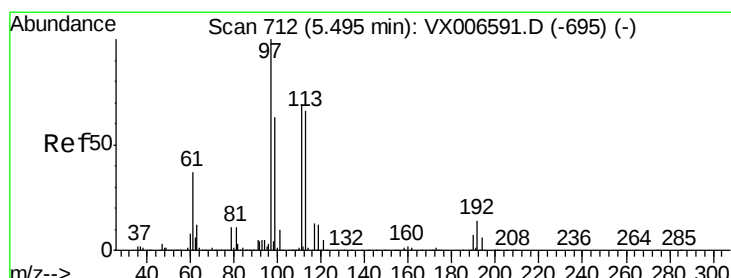
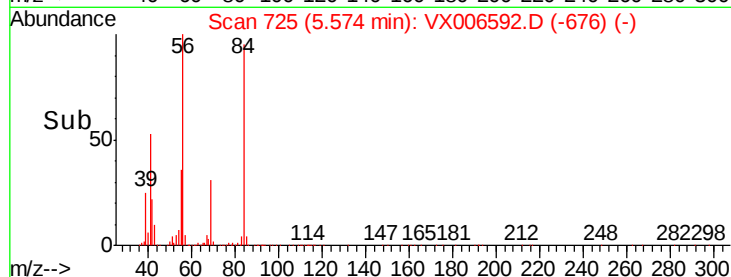
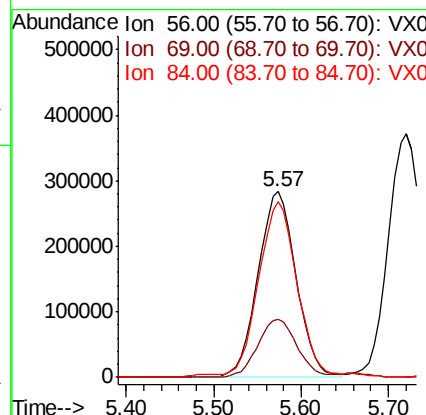
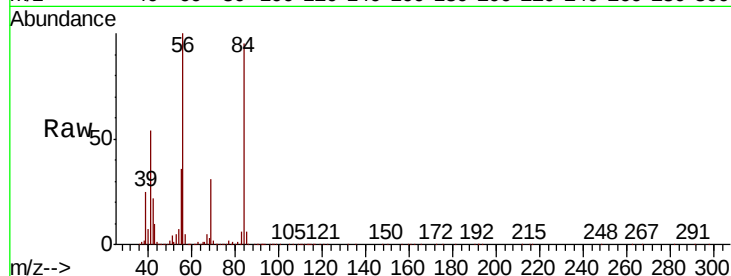
#31
Cyclohexane
Concen: 93.450 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.4	36.6
84	93.4	70.0	105.0

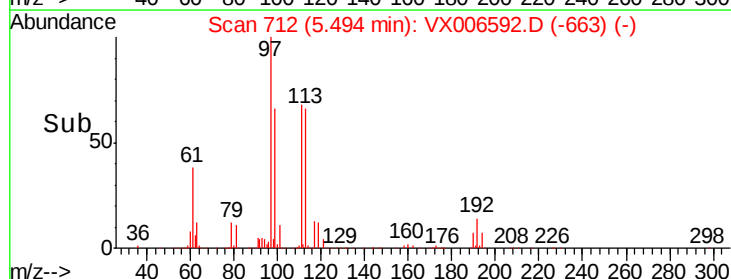
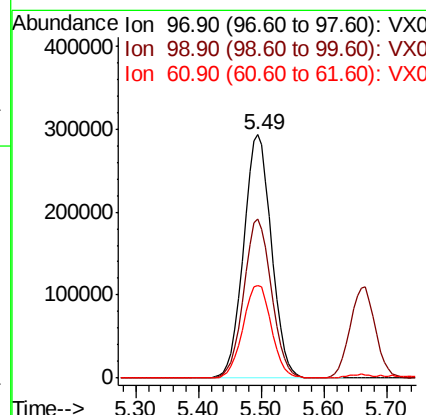
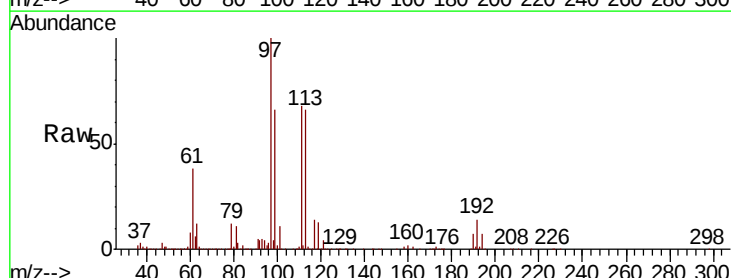
Manual Integrations
APPROVED

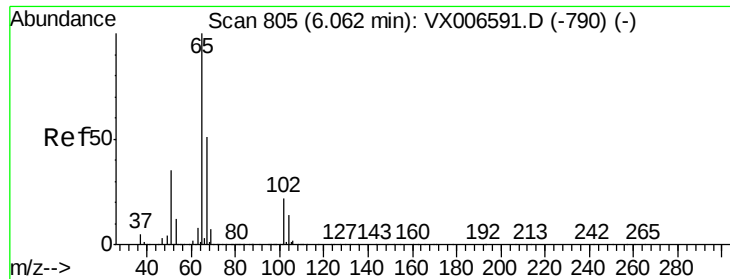
MMDadoda
12/19/2018 11:22:05 AM



#32
1,1,1-Trichloroethane
Concen: 101.533 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	39.2	31.3	46.9





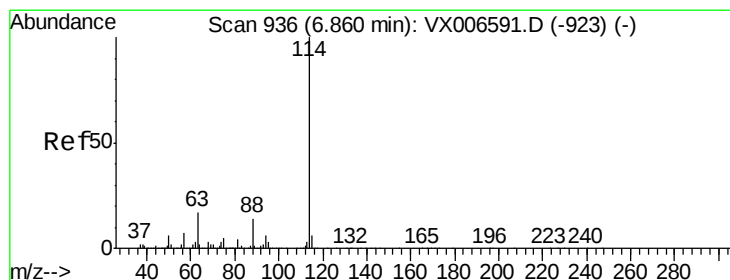
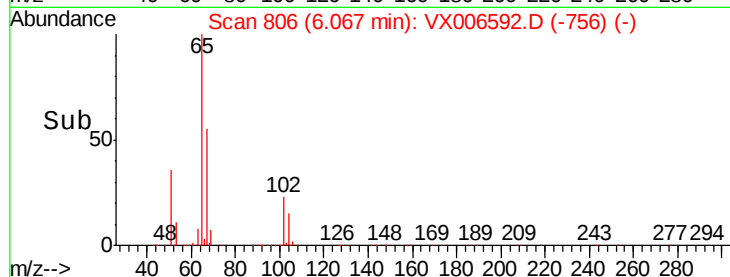
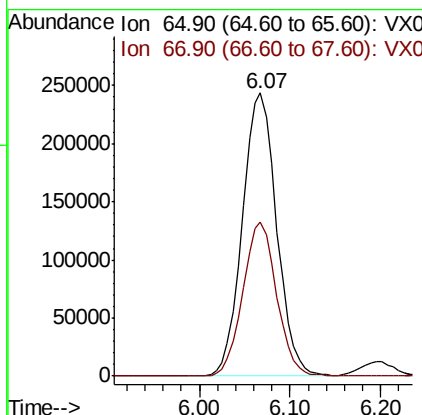
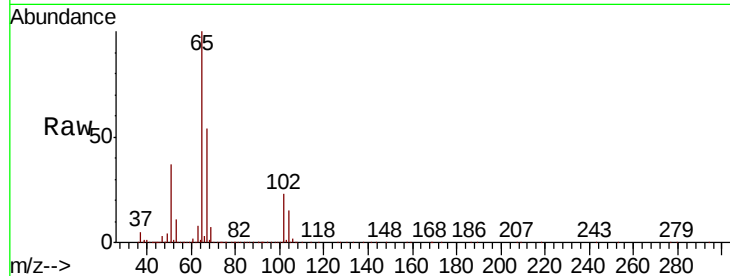
#33
 1,2-Dichloroethane-d4
 Concen: 95.828 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.0

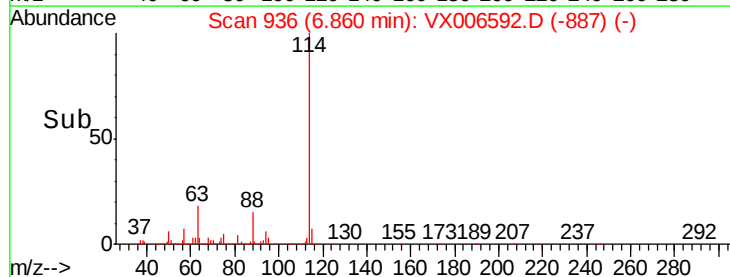
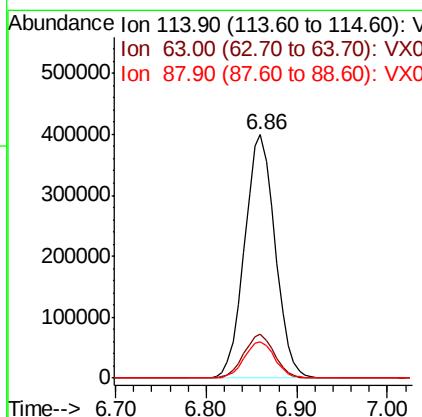
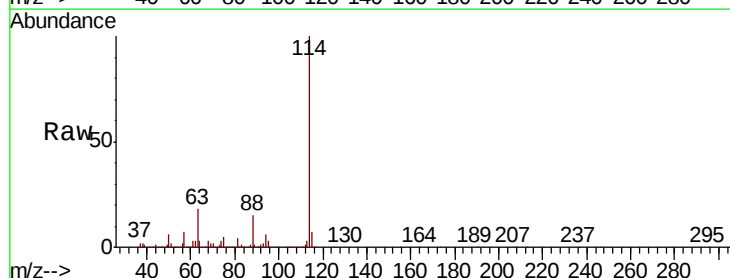
Manual Integrations
 APPROVED

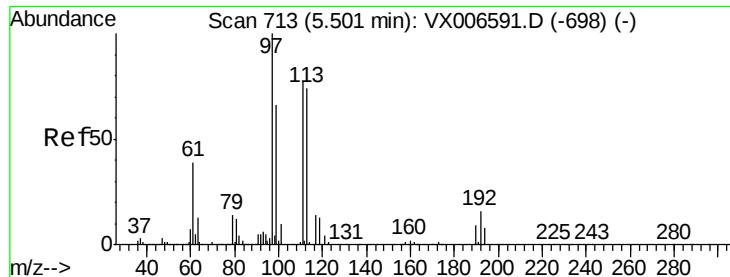
MMDadoda
 12/19/2018 11:22:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	34.8
88	14.8	0.0	28.8





#35

Dibromofluoromethane

Concen: 100.501 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

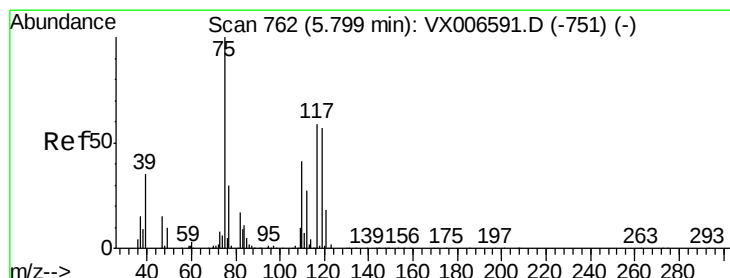
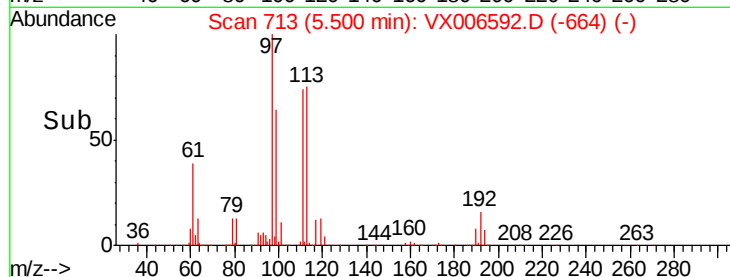
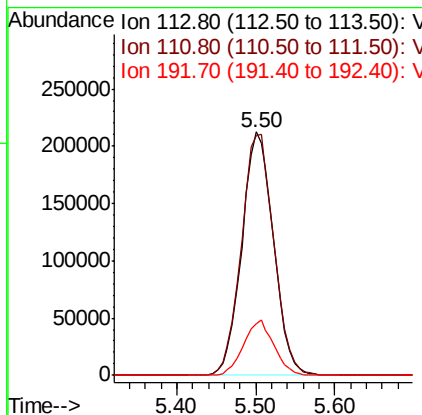
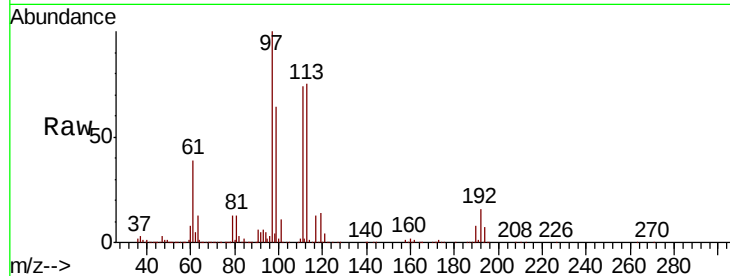
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	591379
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.6	122.4
192	21.9	16.7	25.1

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#36

1,1-Dichloropropene

Concen: 98.399 ug/l

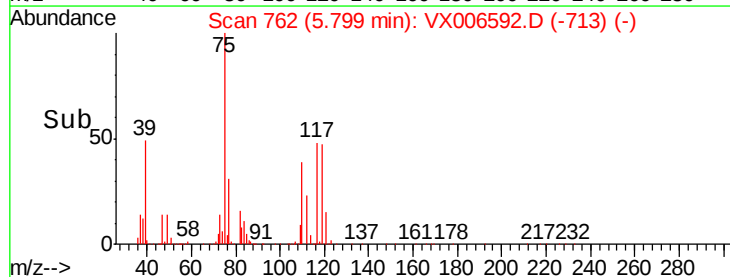
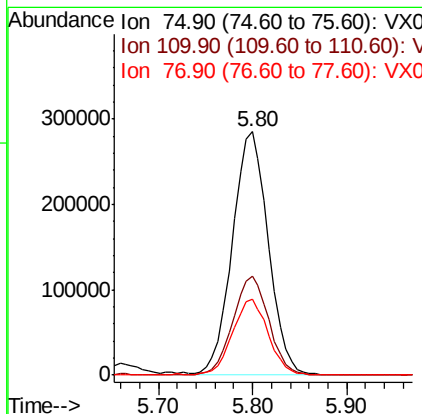
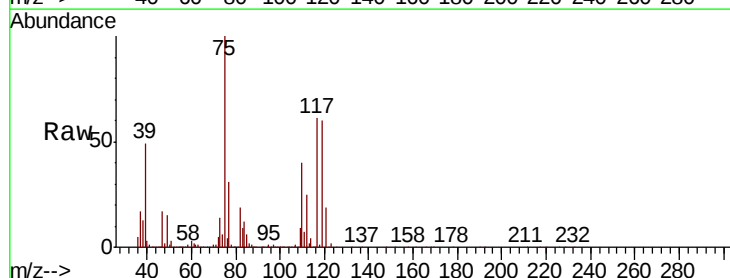
RT: 5.80 min Scan# 762

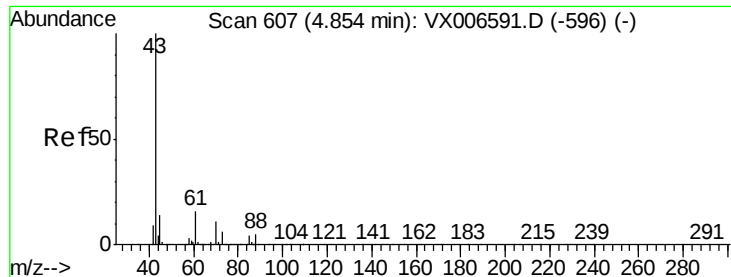
Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion:	75	Resp:	758335
Ion Ratio	Lower	Upper	
75	100		
110	40.4	20.2	60.5
77	30.9	24.8	37.2





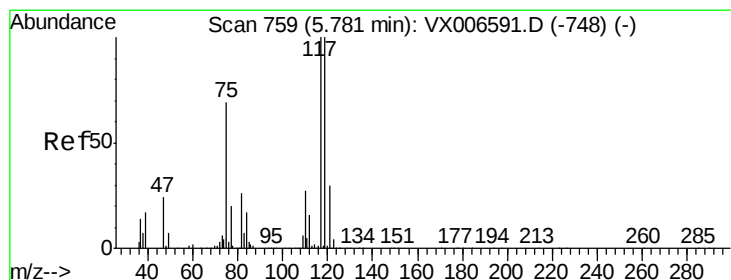
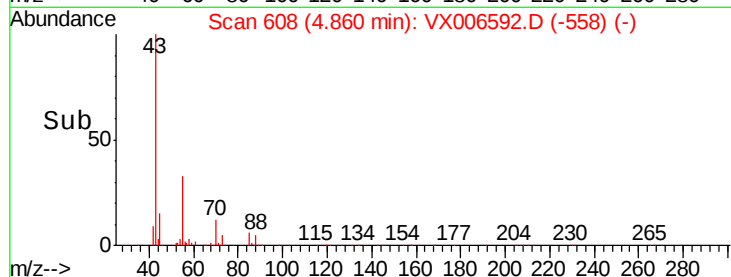
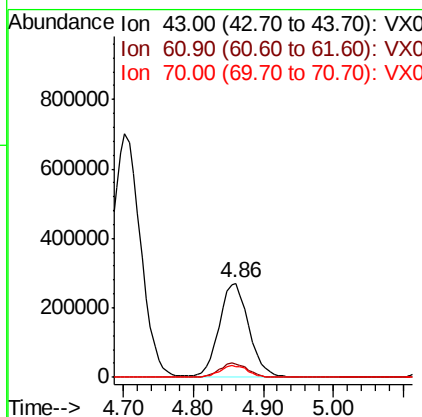
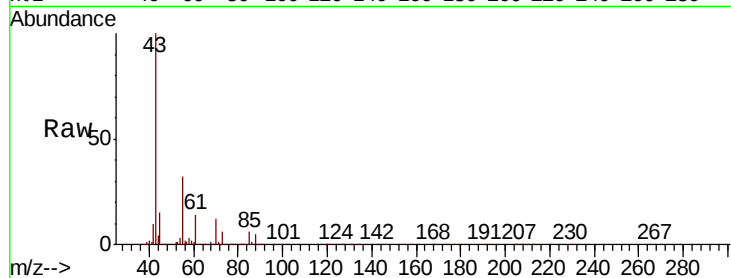
#37
Ethyl Acetate
Concen: 99.032 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion:	43	Resp:	794363
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.9	17.9
70	11.8	9.7	14.5

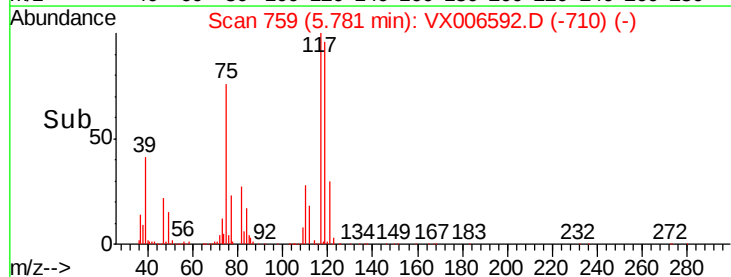
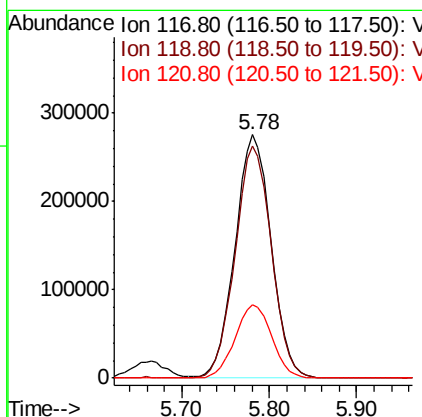
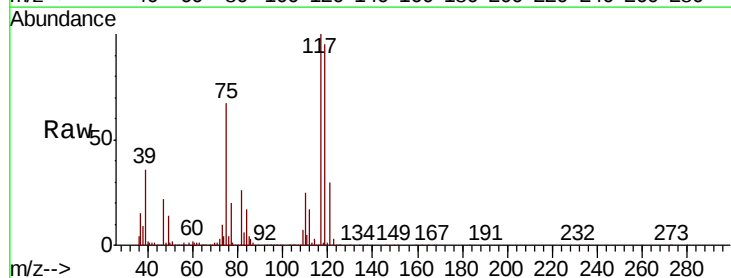
Manual Integrations
APPROVED

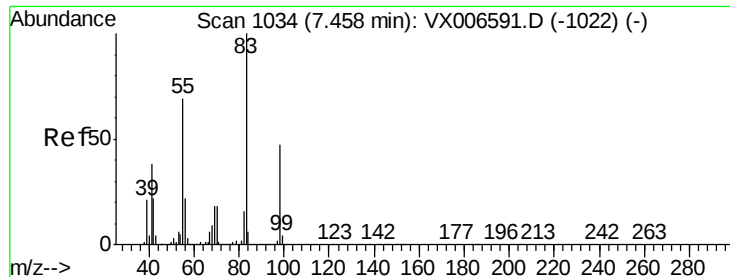
MMDadoda
12/19/2018 11:22:05 AM



#38
Carbon Tetrachloride
Concen: 105.603 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion:	117	Resp:	790938
Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.4	119.2
121	30.1	24.0	36.0





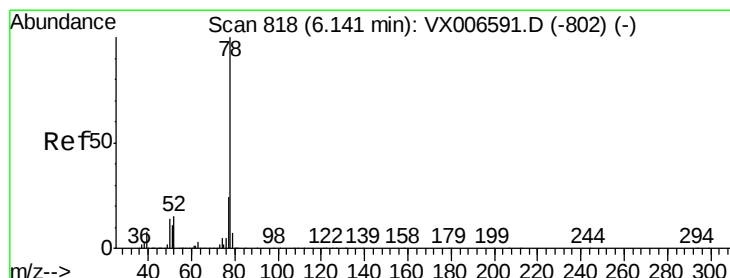
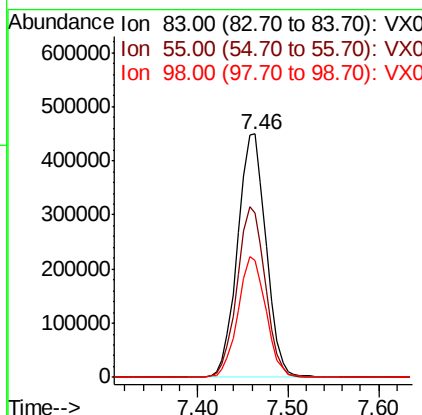
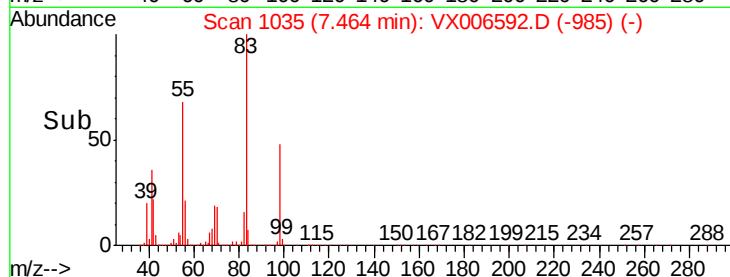
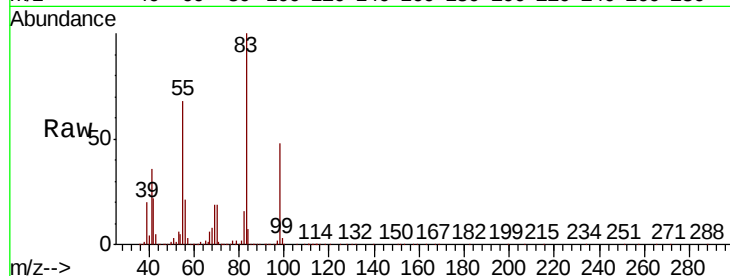
#39
Methylcyclohexane
Concen: 96.490 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.6	54.9	82.3
98	48.1	37.9	56.9

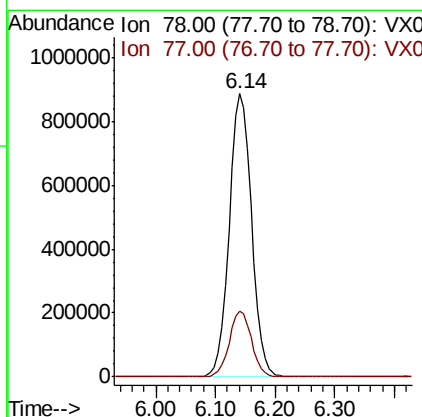
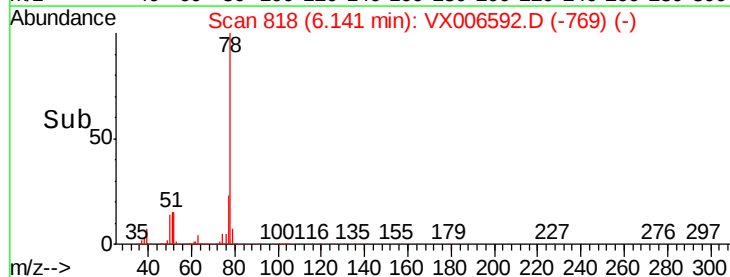
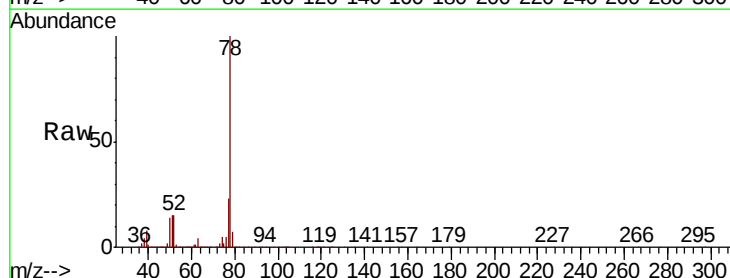
Manual Integrations
APPROVED

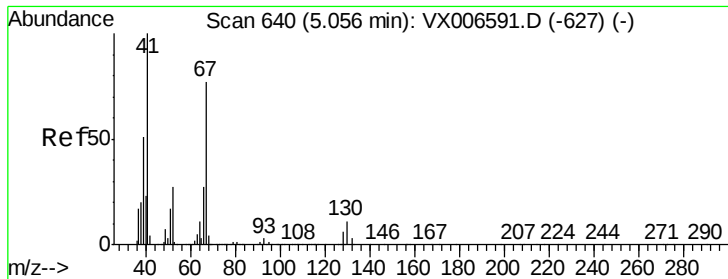
MMDadoda
12/19/2018 11:22:05 AM



#40
Benzene
Concen: 98.236 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8





#41

Methacrylonitrile

Concen: 97.514 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

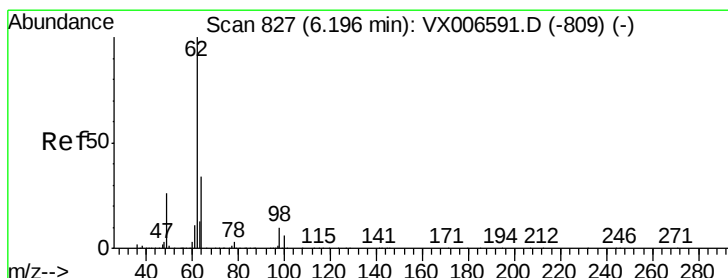
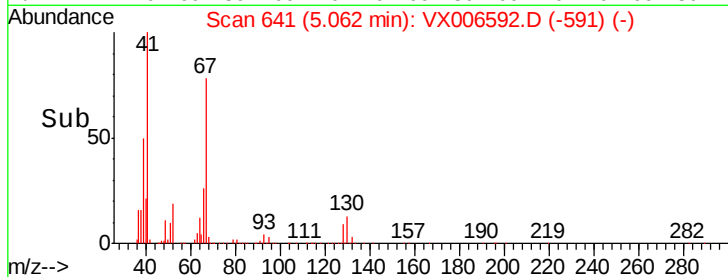
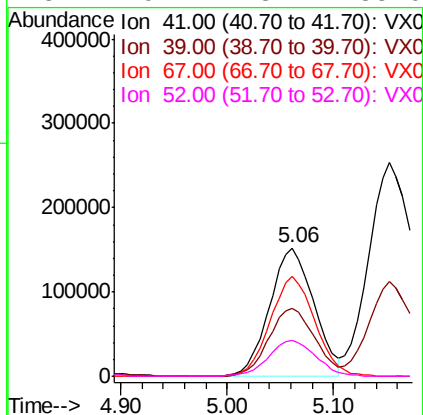
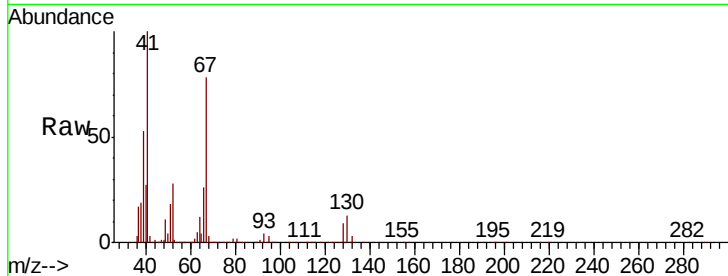
ClientSampleId :

VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.6	42.8	64.2
67	78.2	62.1	93.1
52	29.2	23.4	35.0

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#42

1,2-Dichloroethane

Concen: 95.359 ug/l

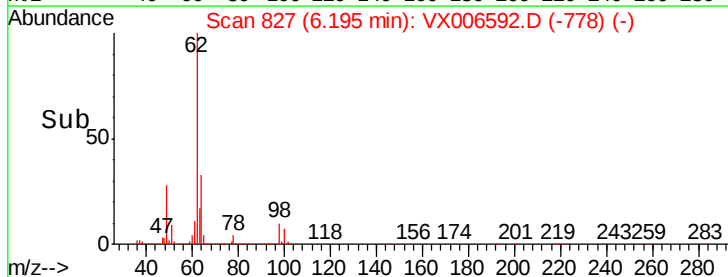
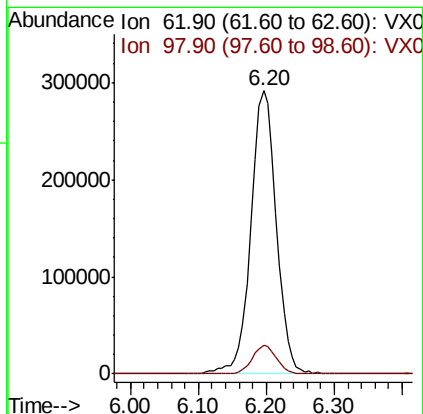
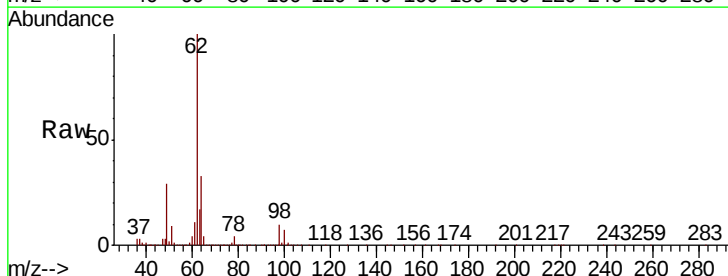
RT: 6.20 min Scan# 827

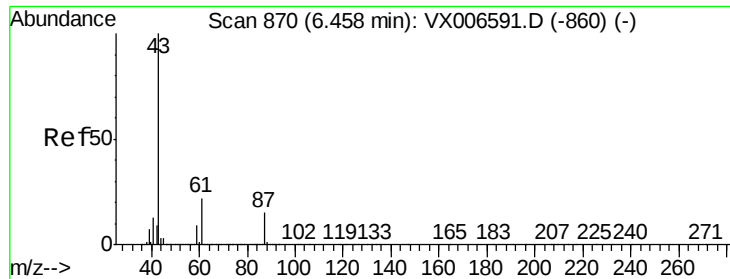
Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.2





#43

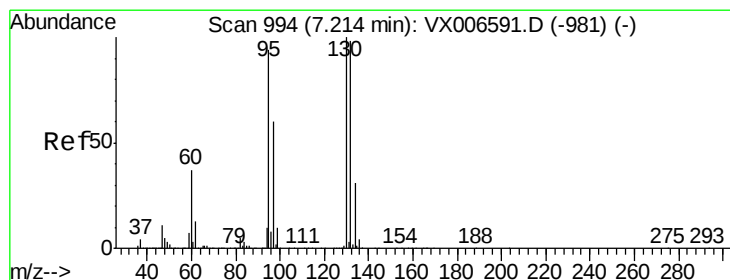
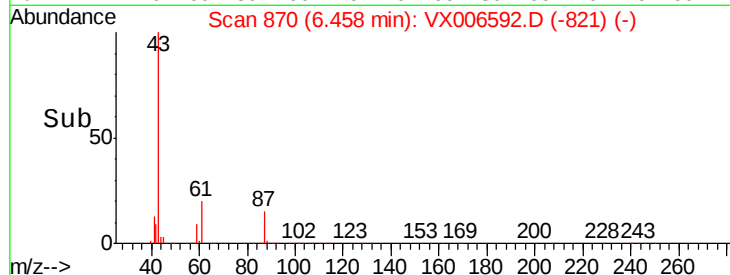
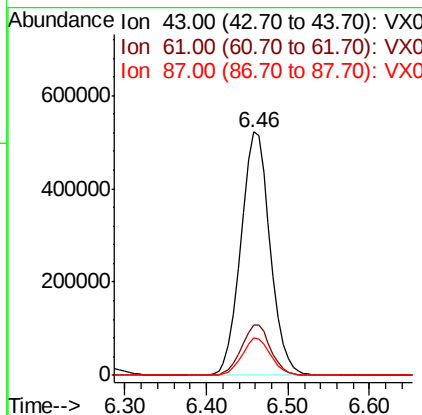
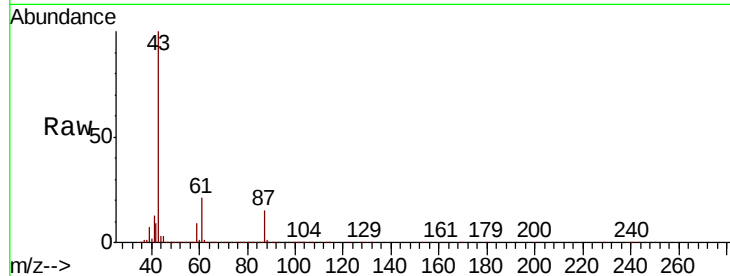
Isopropyl Acetate
 Concen: 106.077 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.8	25.2
87	15.1	12.4	18.6

Manual Integrations
 APPROVED

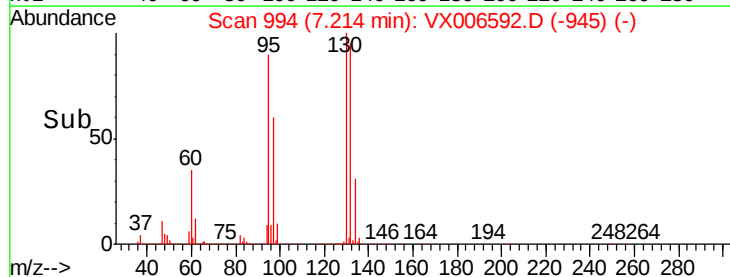
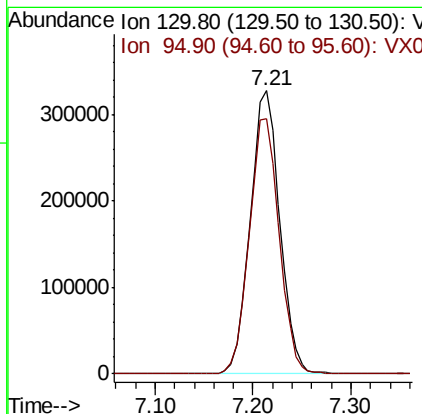
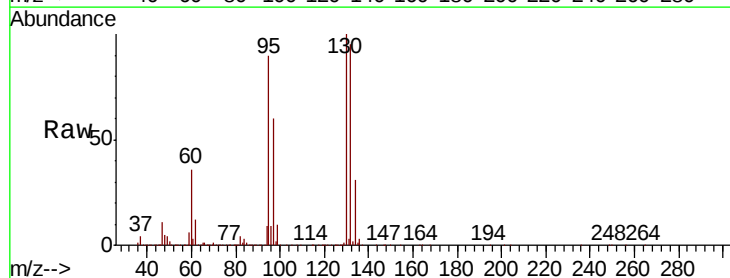
MMDadoda
 12/19/2018 11:22:05 AM

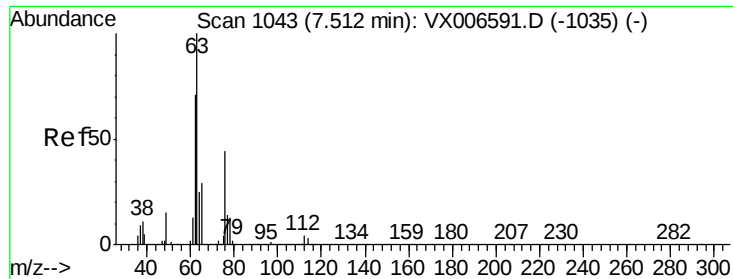


#44

Trichloroethene
 Concen: 96.873 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	187.0





#45

1,2-Dichloropropane

Concen: 100.158 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 570967

Ion Ratio Lower Upper

63 100

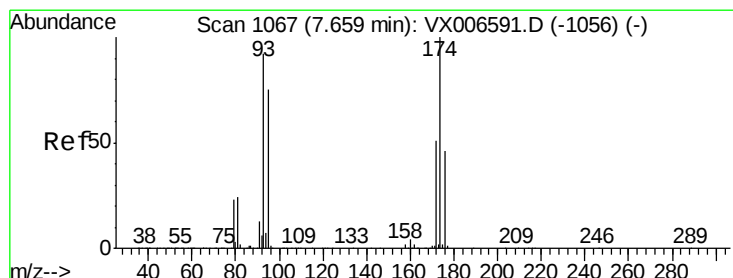
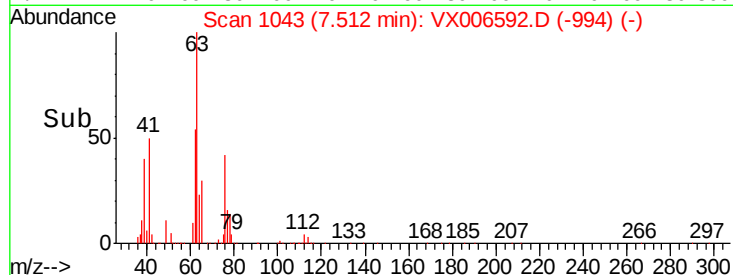
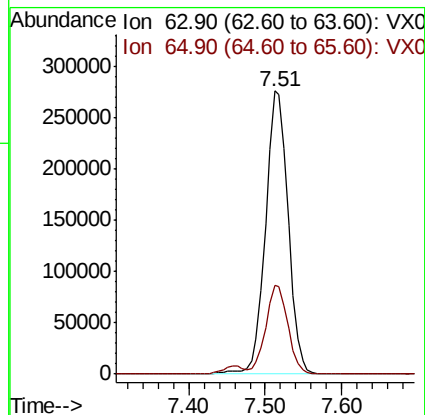
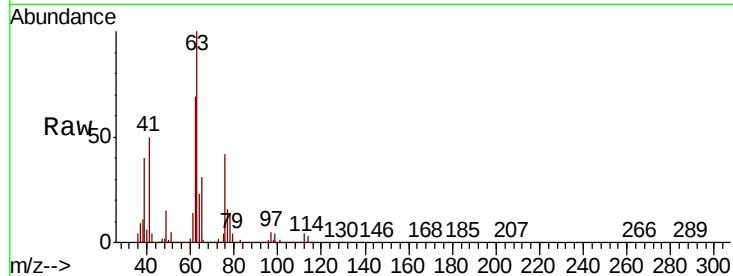
65 31.2 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

12/19/2018 11:22:05 AM



#46

Dibromomethane

Concen: 97.725 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

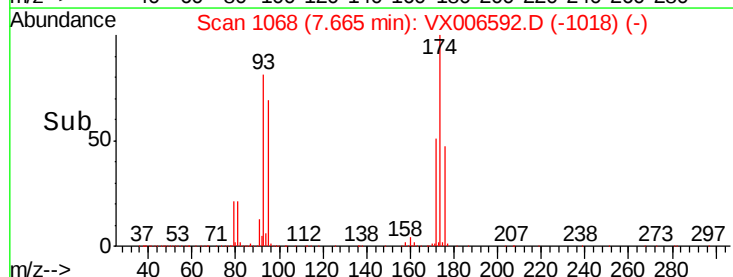
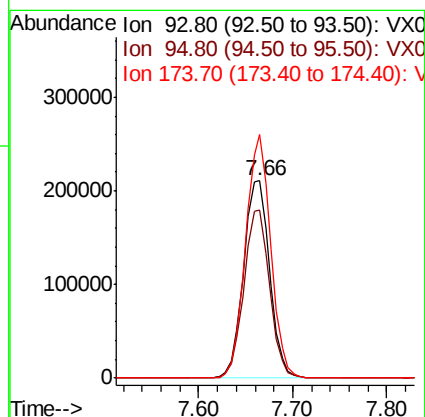
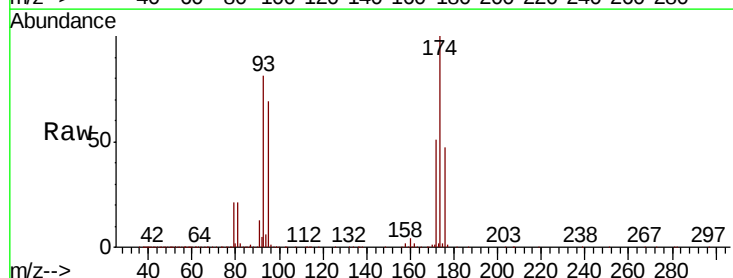
Tgt Ion: 93 Resp: 409777

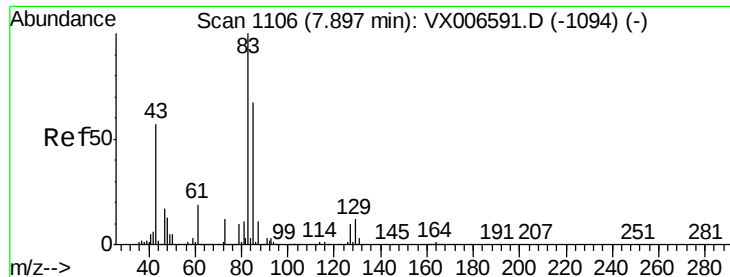
Ion Ratio Lower Upper

93 100

95 83.6 66.2 99.4

174 118.6 91.0 136.4





#47

Bromodichloromethane

Concen: 107.226 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

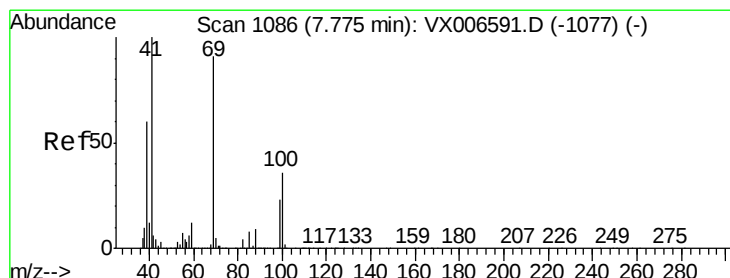
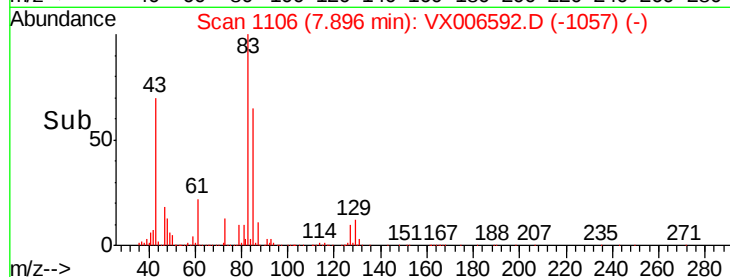
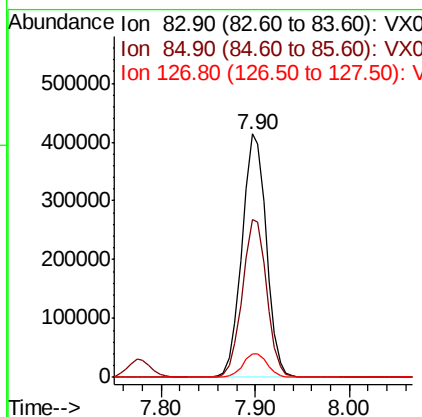
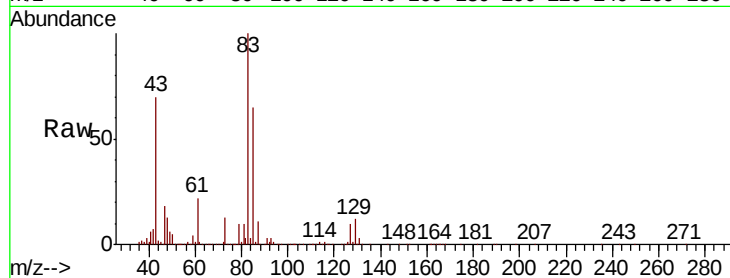
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	746461
Ion Ratio	Lower	Upper	
83	100		
85	64.9	53.2	79.8
127	9.6	7.8	11.6

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#48

Methyl methacrylate

Concen: 105.538 ug/l

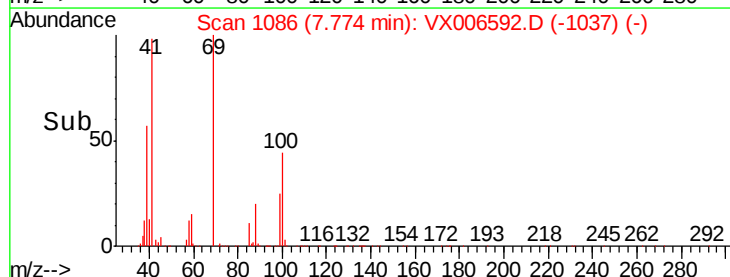
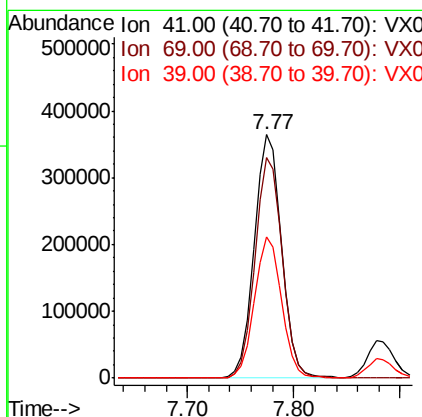
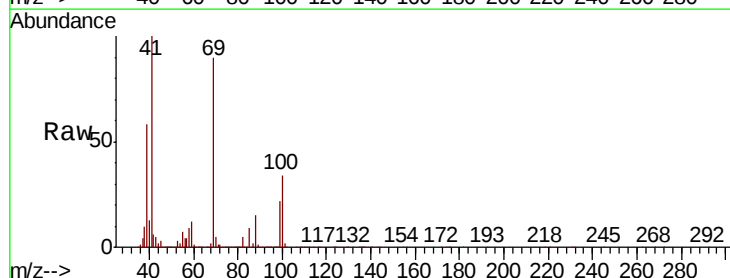
RT: 7.77 min Scan# 1086

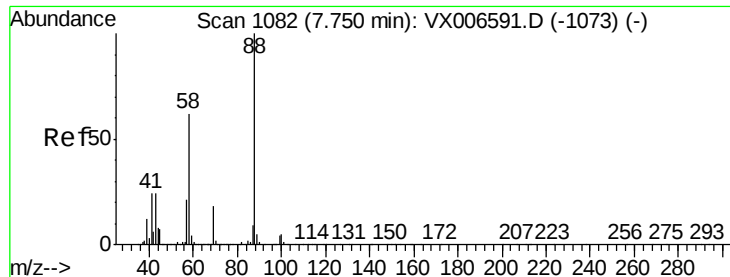
Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion:	41	Resp:	655020
Ion Ratio	Lower	Upper	
41	100		
69	90.6	72.4	108.6
39	57.4	45.8	68.8





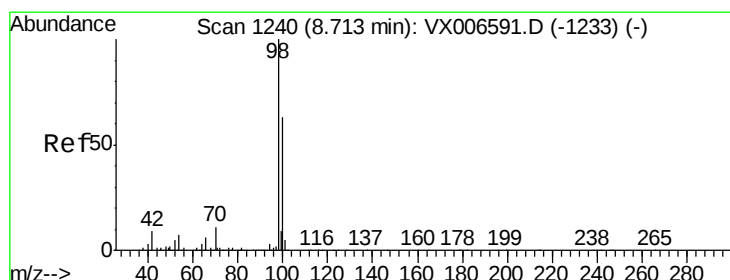
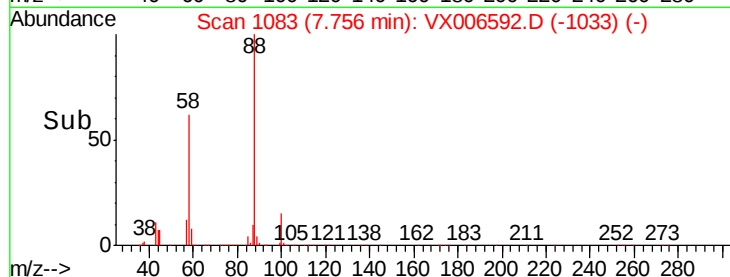
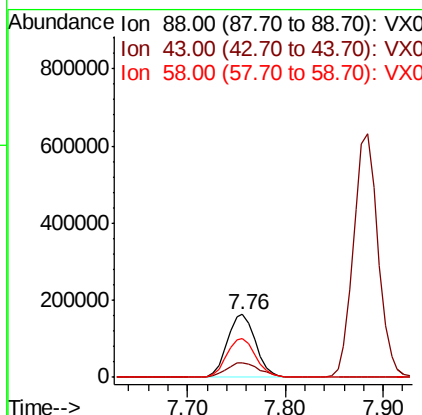
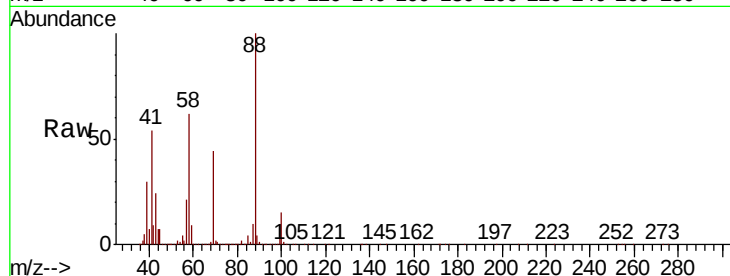
#49
1,4-Dioxane
Concen: 1875.700 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	22.2	33.4
58	63.2	51.0	76.4

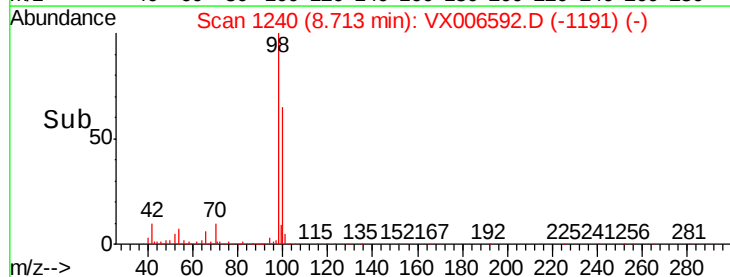
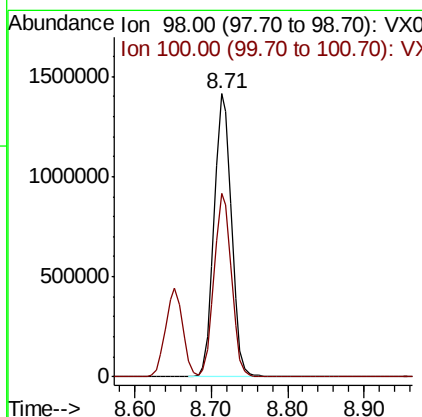
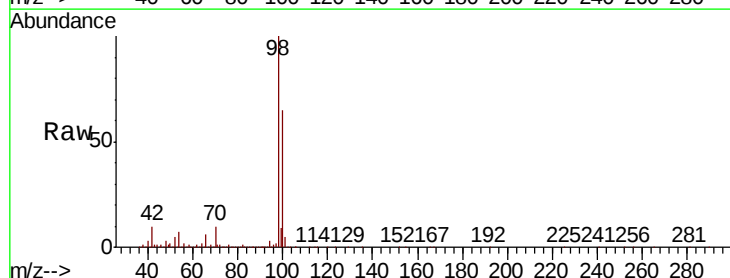
Manual Integrations
APPROVED

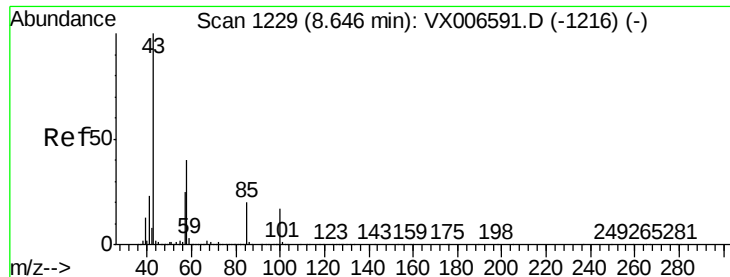
MMDadoda
12/19/2018 11:22:05 AM



#50
Toluene-d8
Concen: 100.239 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0





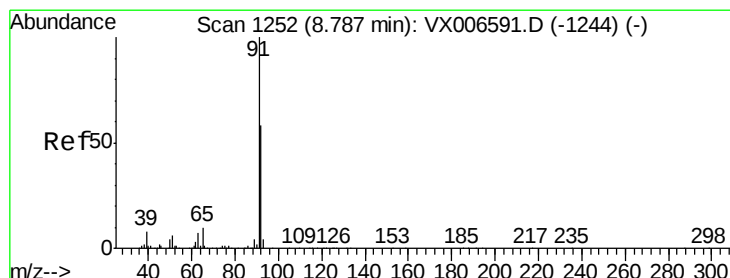
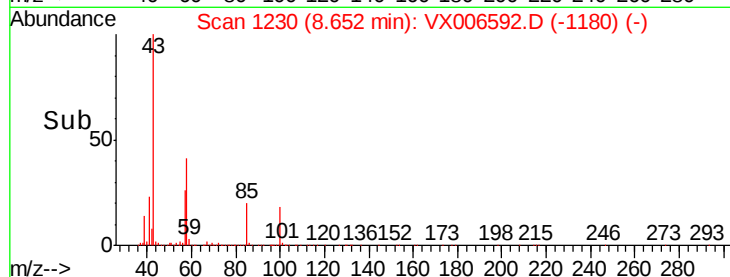
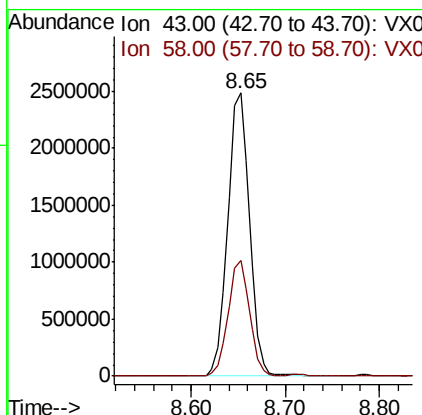
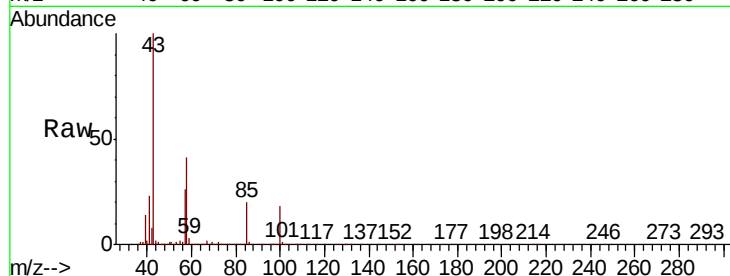
#51
4-Methyl-2-Pentanone
Concen: 513.254 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 3985686
Ion Ratio Lower Upper
43 100
58 40.0 31.8 47.6

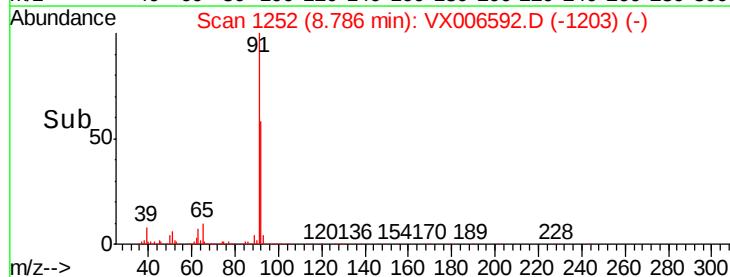
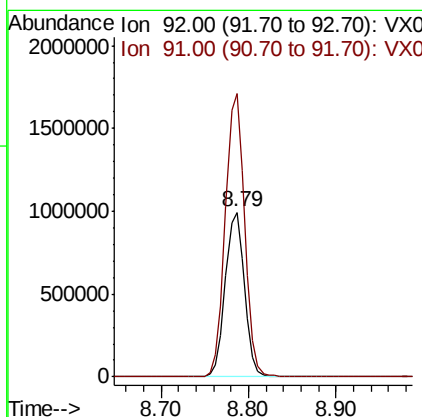
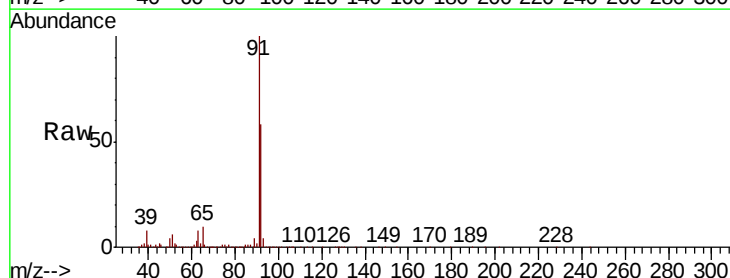
Manual Integrations
APPROVED

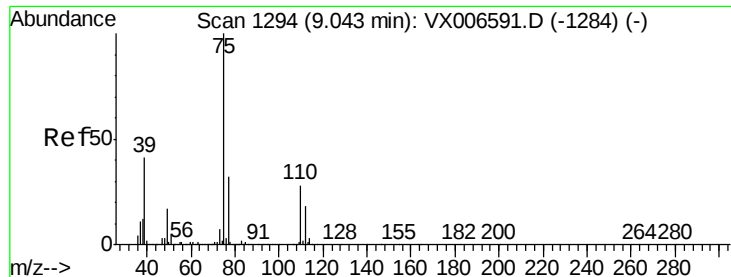
MMDadoda
12/19/2018 11:22:05 AM



#52
Toluene
Concen: 100.104 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion: 92 Resp: 1514994
Ion Ratio Lower Upper
92 100
91 172.5 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 116.805 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 872089

Ion Ratio Lower Upper

75 100

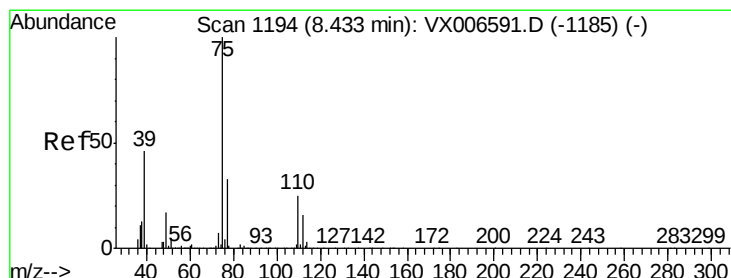
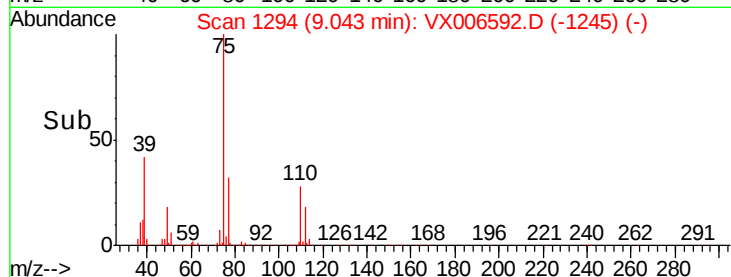
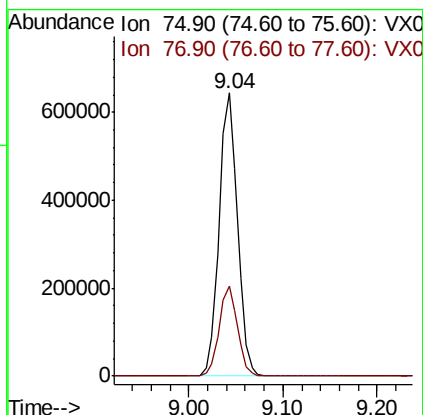
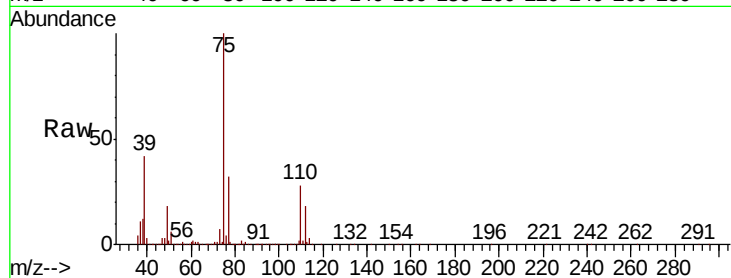
77 31.7 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

12/19/2018 11:22:05 AM



#54

cis-1,3-Dichloropropene

Concen: 113.362 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

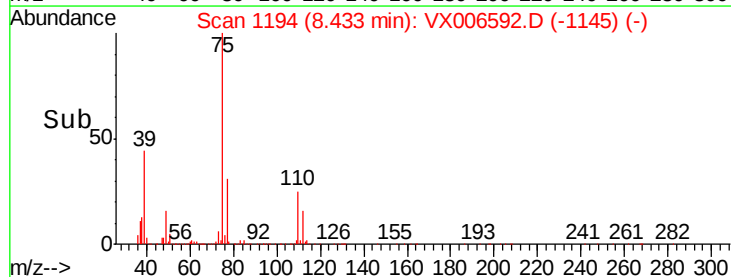
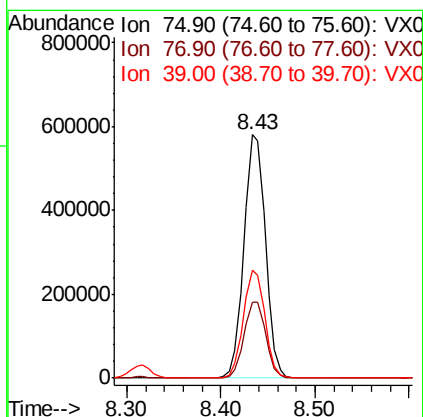
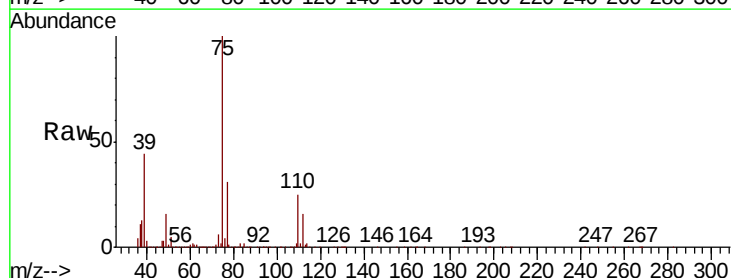
Tgt Ion: 75 Resp: 928699

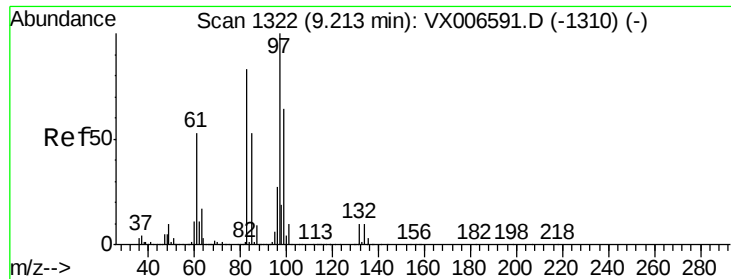
Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

39 44.3 36.7 55.1





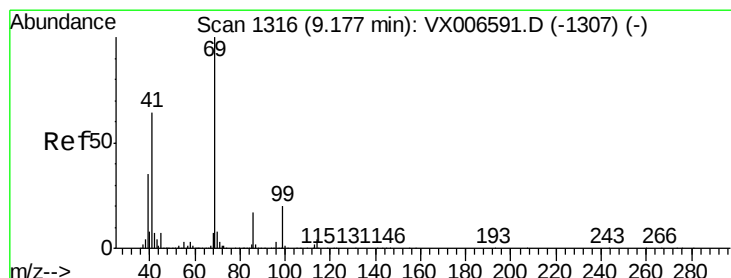
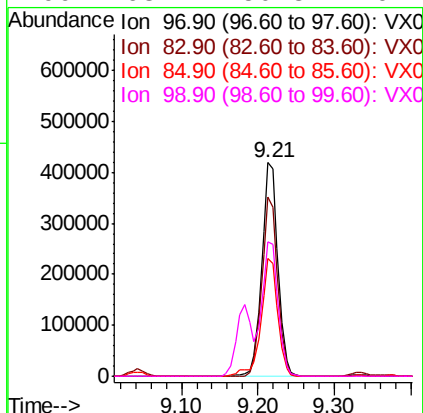
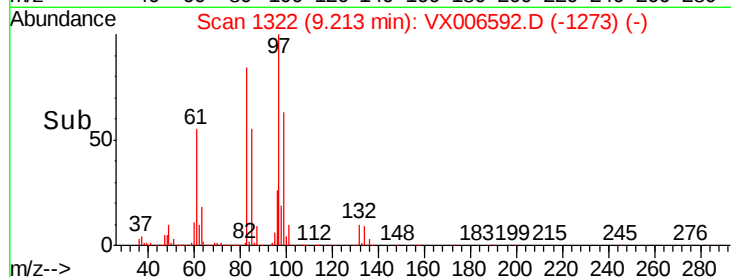
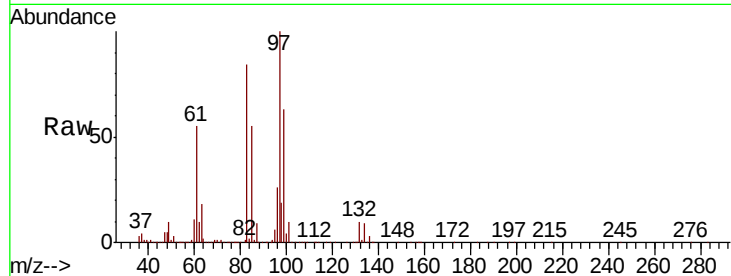
#55
 1,1,2-Trichloroethane
 Concen: 100.213 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	620784
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.6	99.8
85	55.3	42.7	64.1
99	63.1	50.8	76.2

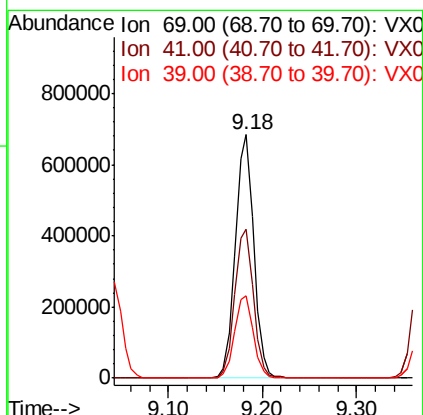
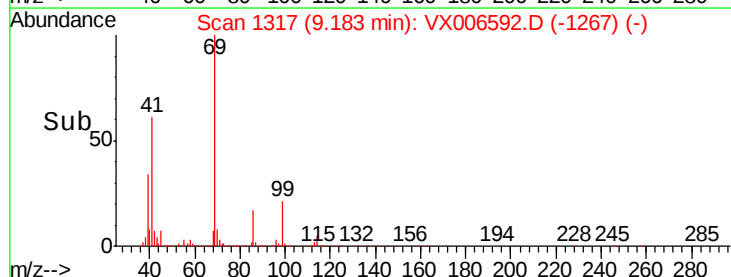
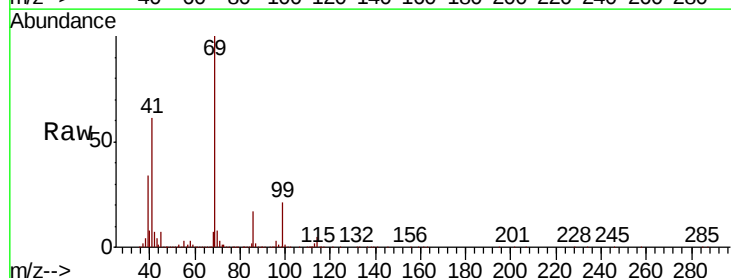
Manual Integrations
 APPROVED

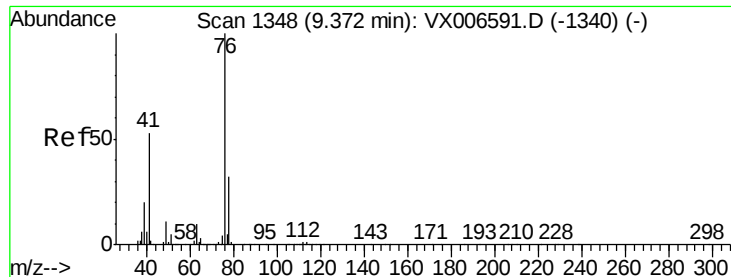
MMDadoda
 12/19/2018 11:22:05 AM



#56
 Ethyl methacrylate
 Concen: 106.152 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion:	69	Resp:	929398
Ion	Ratio	Lower	Upper
69	100		
41	62.1	48.7	73.1
39	34.5	27.0	40.6





#57

1,3-Dichloropropane

Concen: 99.528 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 991948

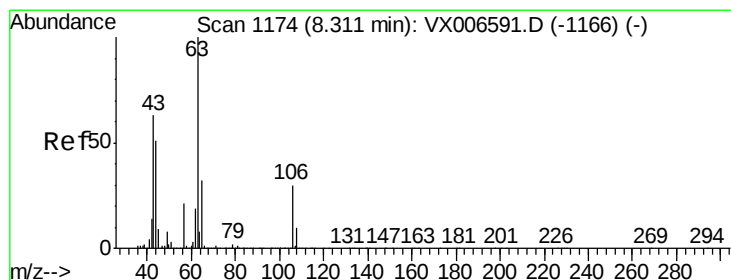
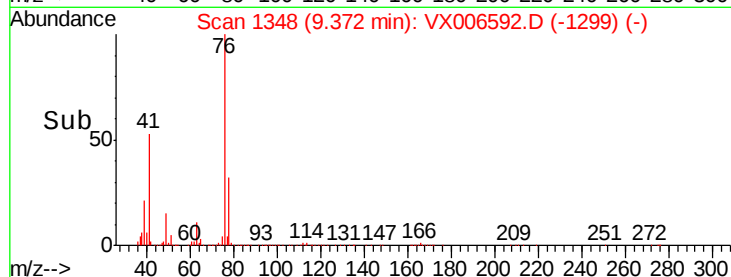
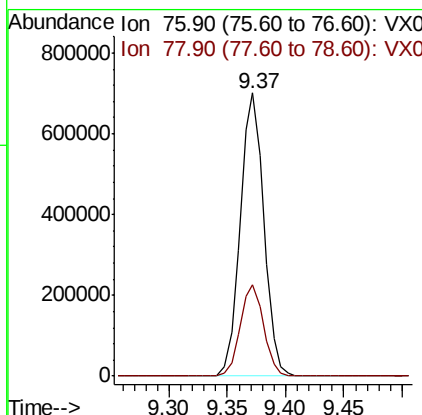
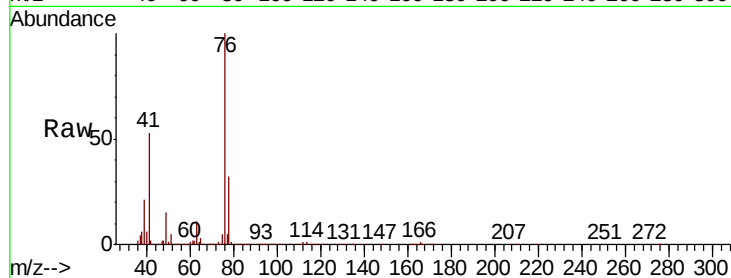
Ion Ratio Lower Upper

76 100

78 32.0 26.0 39.0

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#58

2-Chloroethyl Vinyl ether

Concen: 516.271 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX006592.D

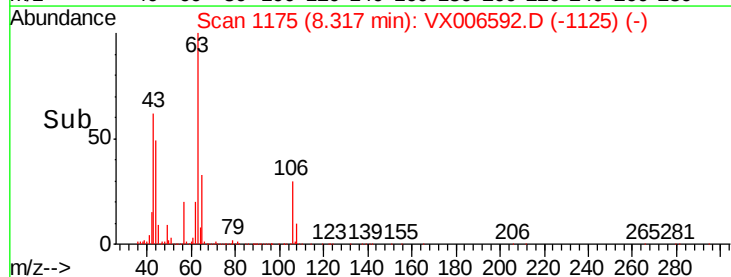
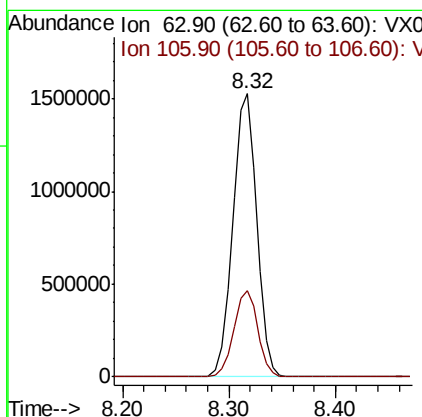
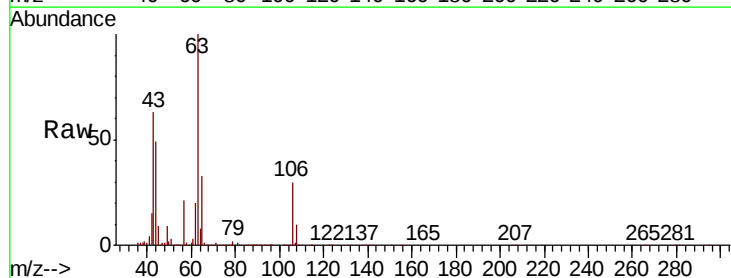
Acq: 18 Dec 2018 12:31

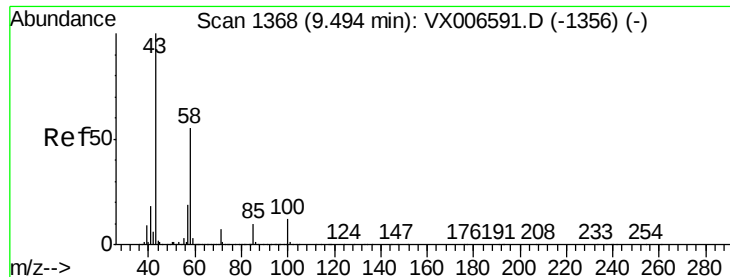
Tgt Ion: 63 Resp: 2402754

Ion Ratio Lower Upper

63 100

106 30.7 24.6 36.8





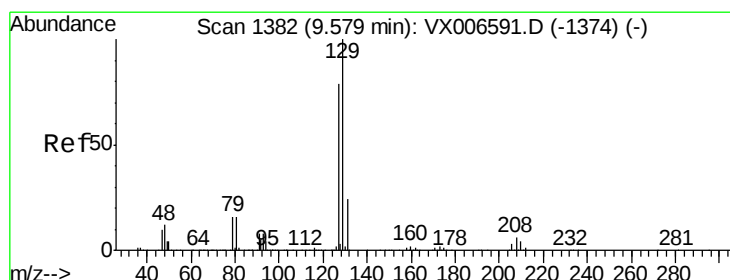
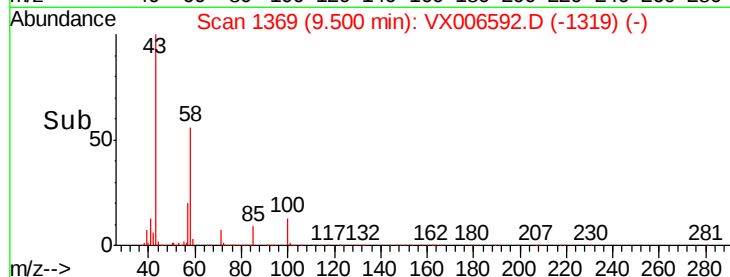
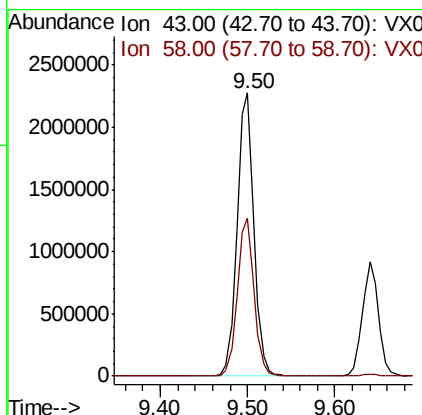
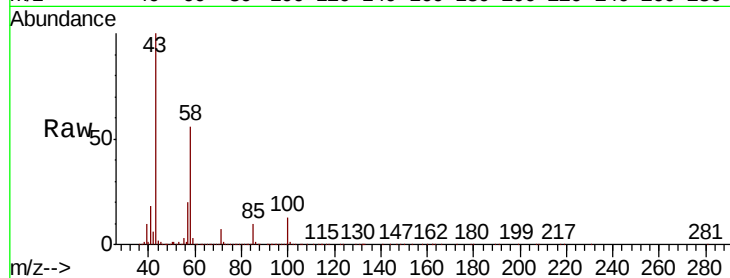
#59
2-Hexanone
Concen: 515.736 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 3064266
Ion Ratio Lower Upper
43 100
58 55.7 27.7 83.1

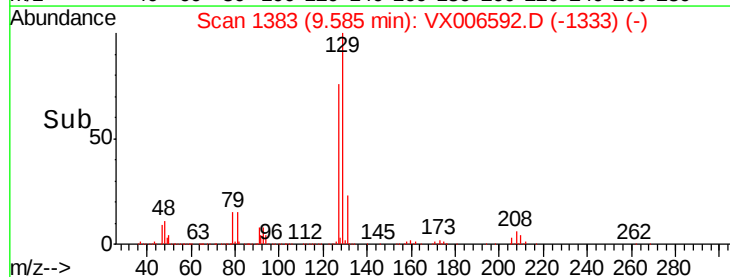
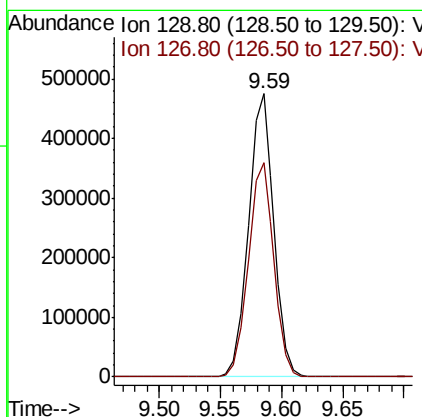
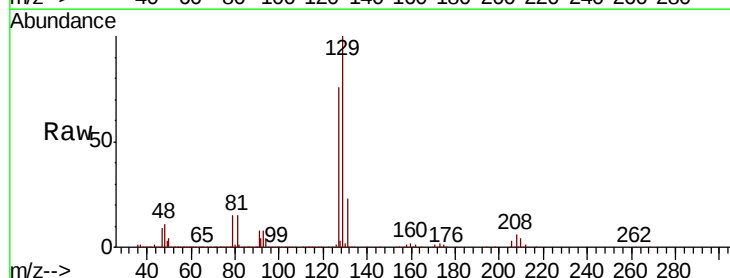
Manual Integrations
APPROVED

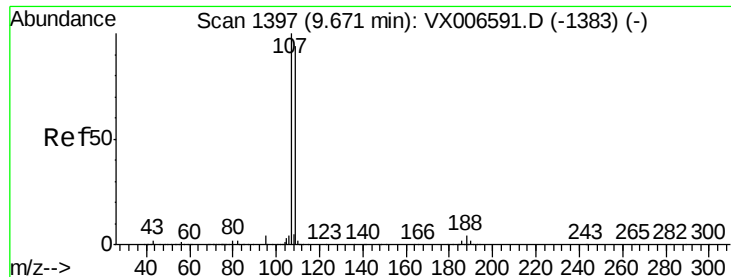
MMDadoda
12/19/2018 11:22:05 AM



#60
Dibromochloromethane
Concen: 118.979 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion: 129 Resp: 678881
Ion Ratio Lower Upper
129 100
127 76.6 39.3 117.8





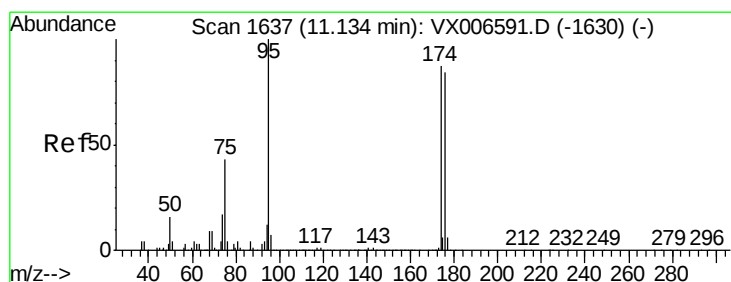
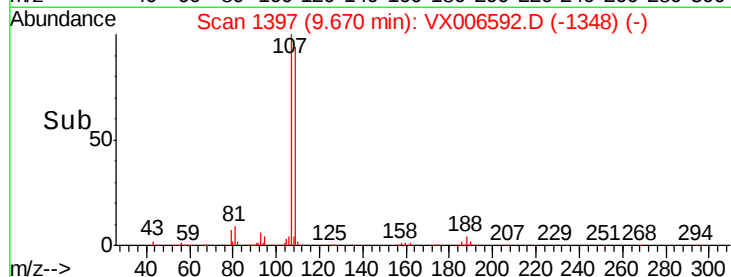
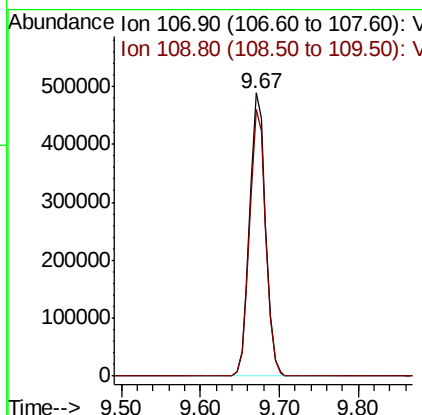
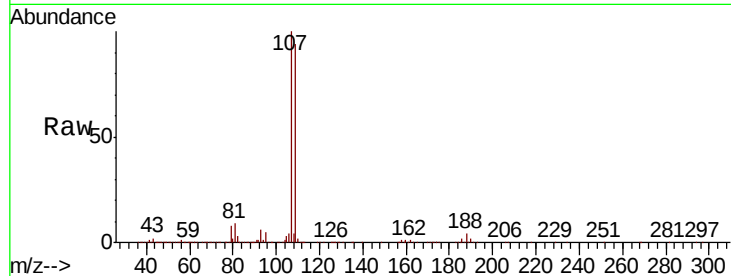
#61
 1,2-Dibromoethane
 Concen: 104.526 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.8	113.6

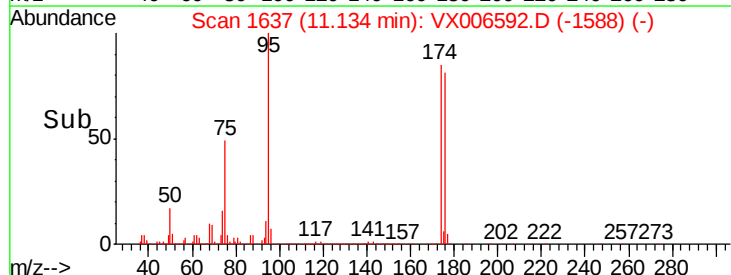
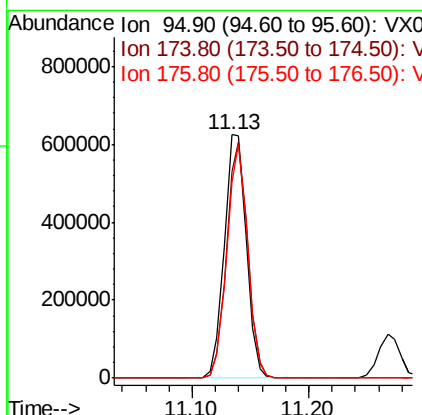
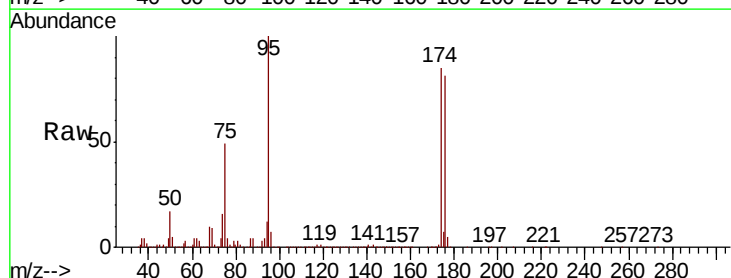
Manual Integrations
 APPROVED

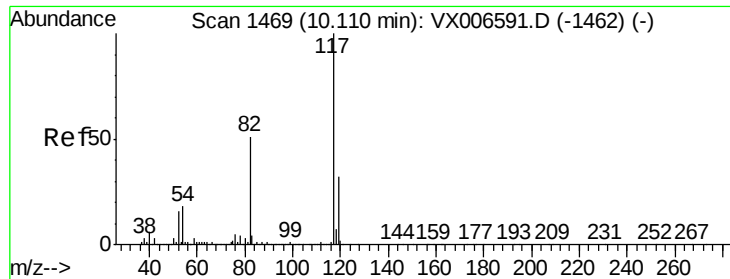
MMDadoda
 12/19/2018 11:22:05 AM



#62
 4-Bromofluorobenzene
 Concen: 100.705 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.0	0.0	182.2
176	90.8	0.0	178.8





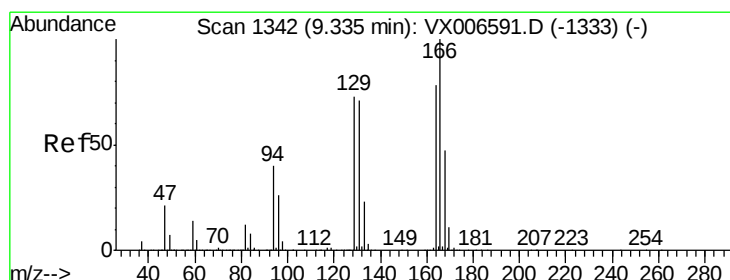
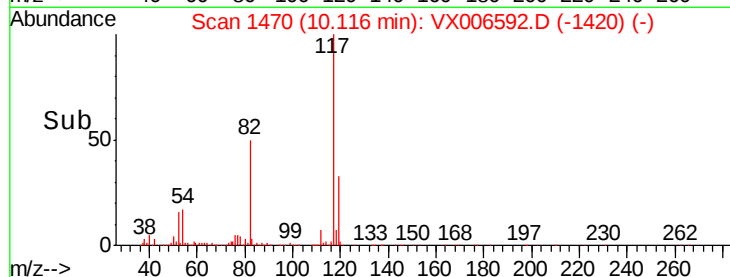
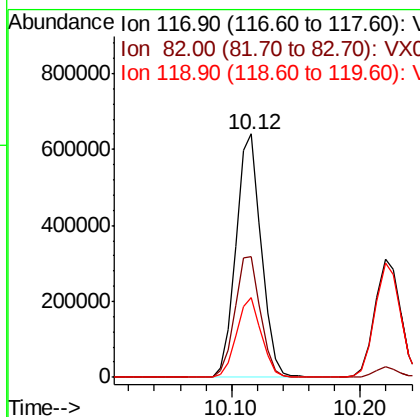
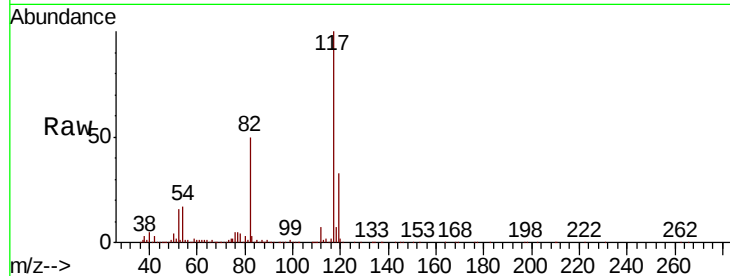
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	41.0	61.6
119	32.5	25.4	38.0

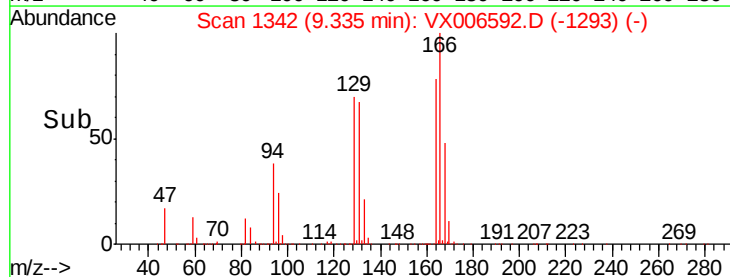
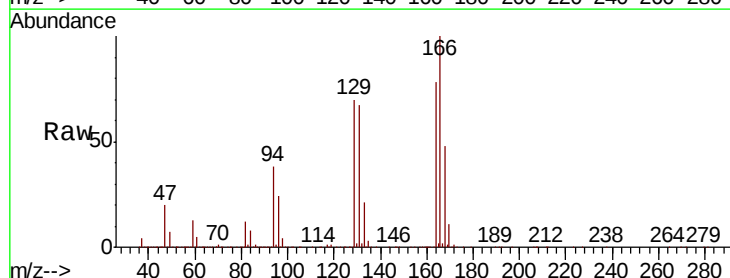
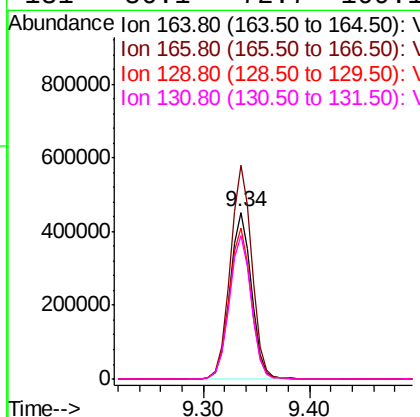
Manual Integrations
APPROVED

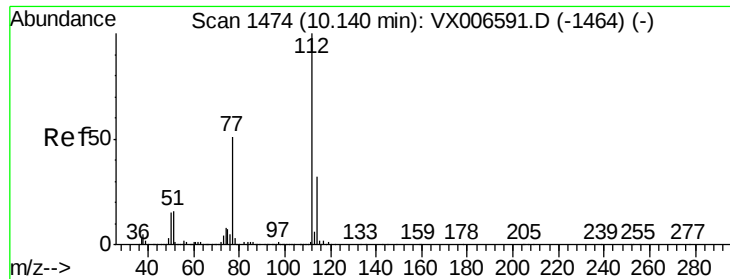
MMDadoda
12/19/2018 11:22:05 AM



#64
Tetrachloroethene
Concen: 92.840 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.5	153.7
129	90.4	75.1	112.7
131	86.1	72.7	109.1





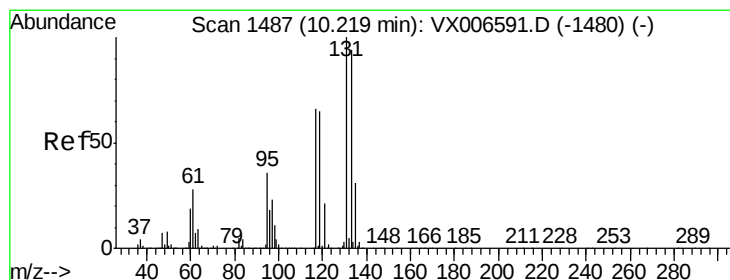
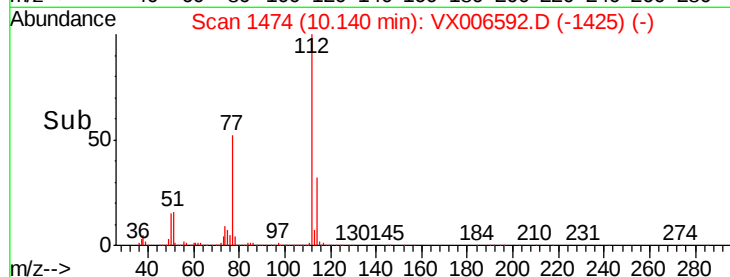
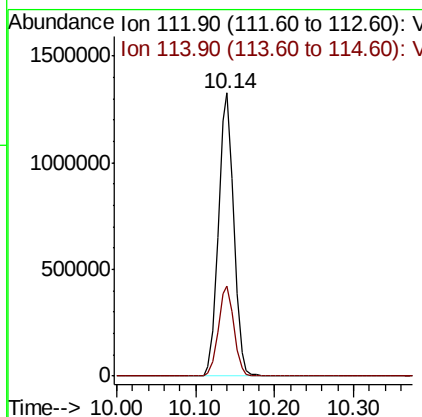
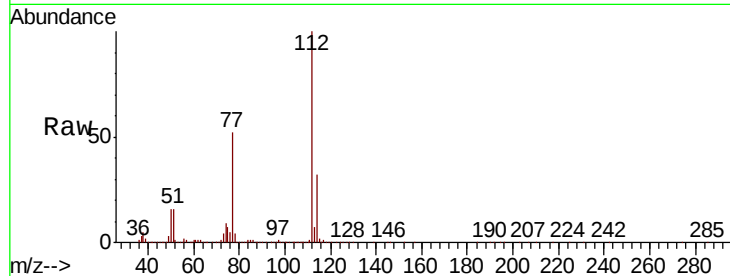
#65
Chlorobenzene
Concen: 97.145 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion:112 Resp: 1797353
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

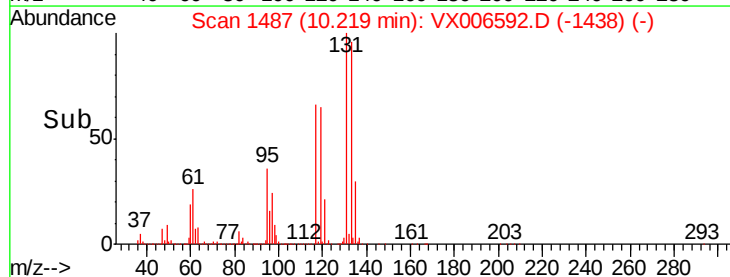
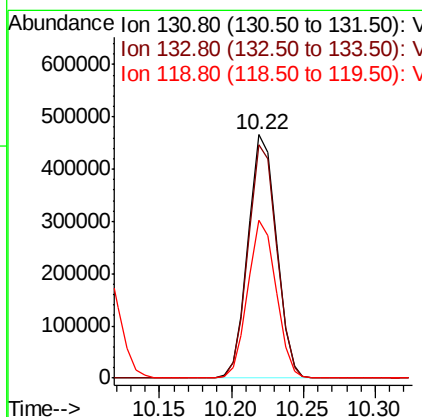
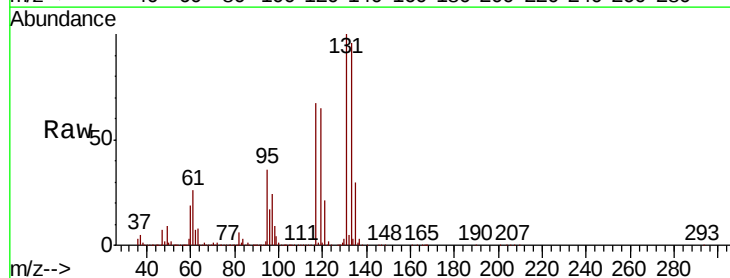
Manual Integrations
APPROVED

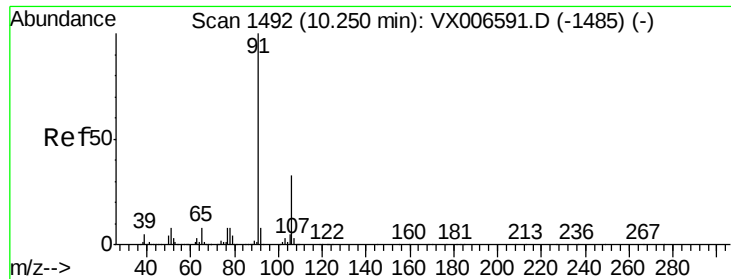
MMDadoda
12/19/2018 11:22:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 109.993 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion:131 Resp: 634931
Ion Ratio Lower Upper
131 100
133 96.8 48.0 144.2
119 64.3 32.6 97.8





#67

Ethyl Benzene

Concen: 97.851 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2958315

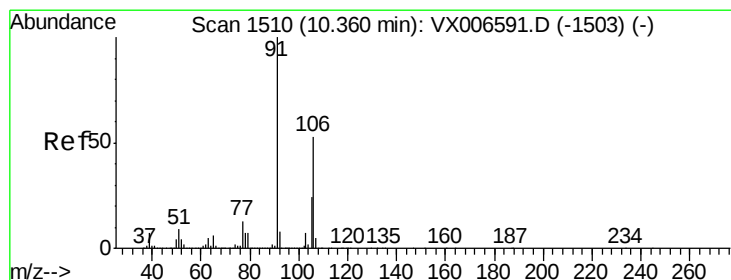
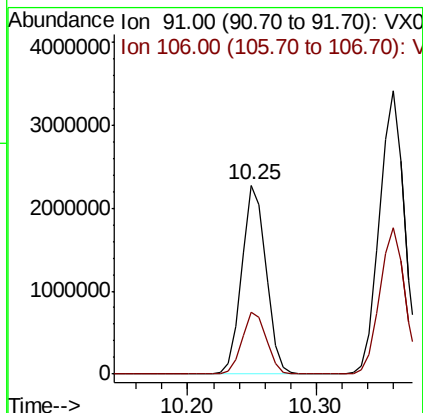
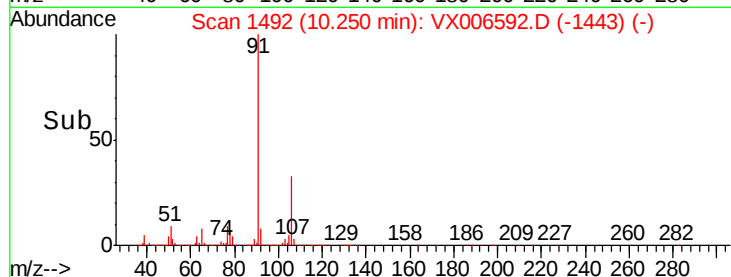
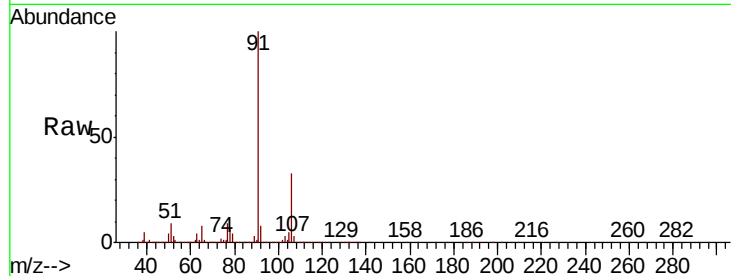
Ion Ratio Lower Upper

91 100

106 32.6 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#68

m/p-Xylenes

Concen: 198.396 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006592.D

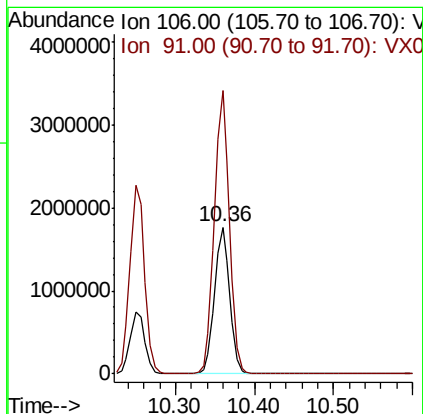
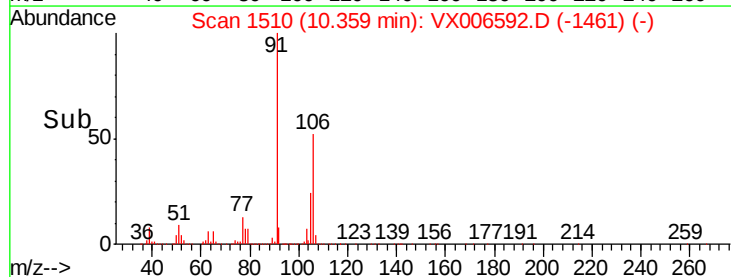
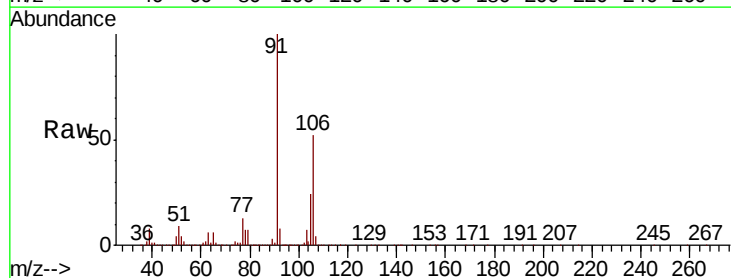
Acq: 18 Dec 2018 12:31

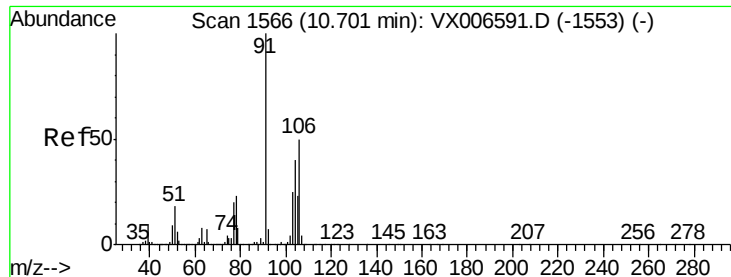
Tgt Ion: 106 Resp: 2366835

Ion Ratio Lower Upper

106 100

91 192.9 155.8 233.6





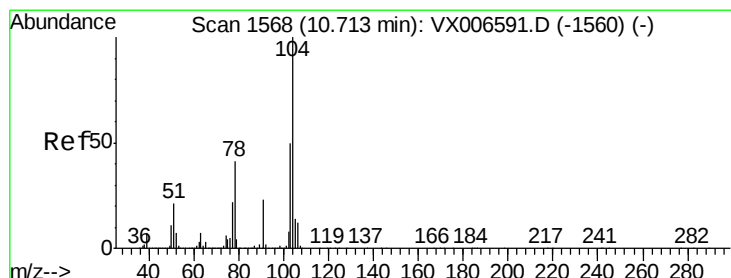
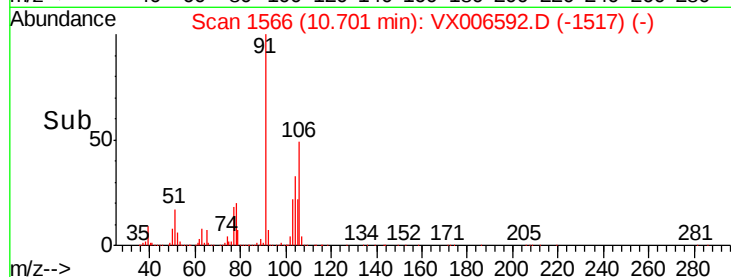
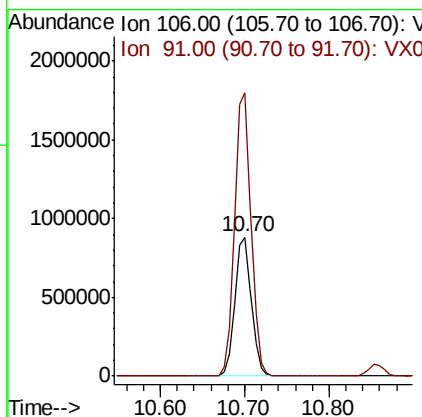
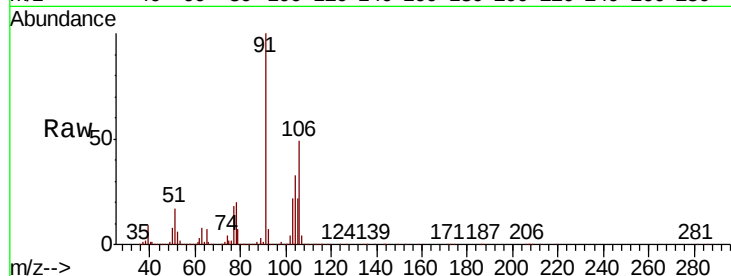
#69
o-Xylene
Concen: 98.552 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1160986
Ion Ratio Lower Upper
106 100
91 204.3 101.3 303.7

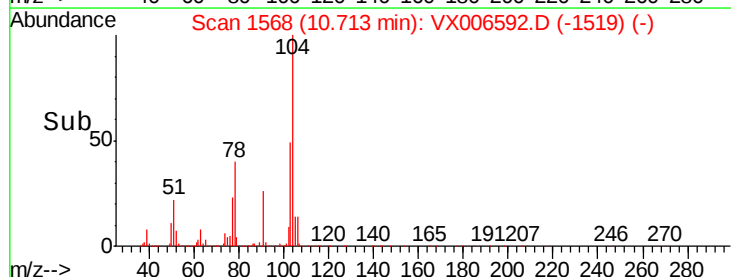
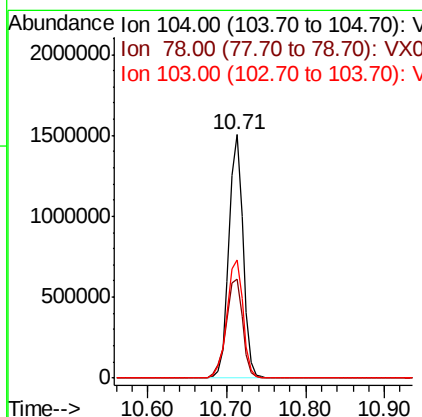
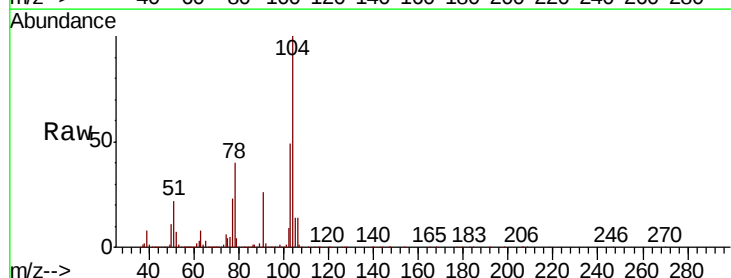
Manual Integrations
APPROVED

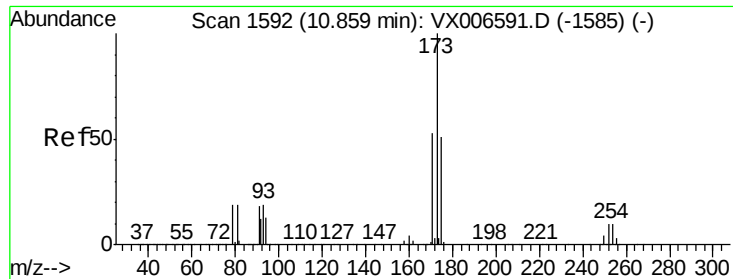
MMDadoda
12/19/2018 11:22:05 AM



#70
Styrene
Concen: 101.089 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion:104 Resp: 1884039
Ion Ratio Lower Upper
104 100
78 47.2 37.7 56.5
103 55.2 43.8 65.8





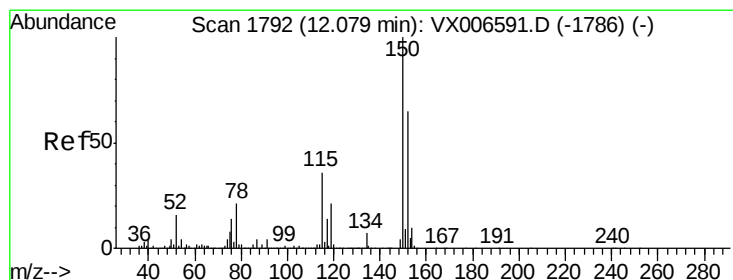
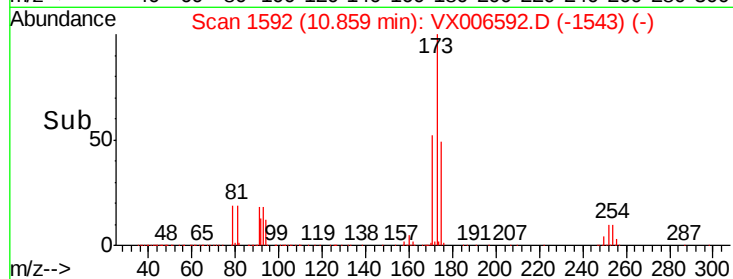
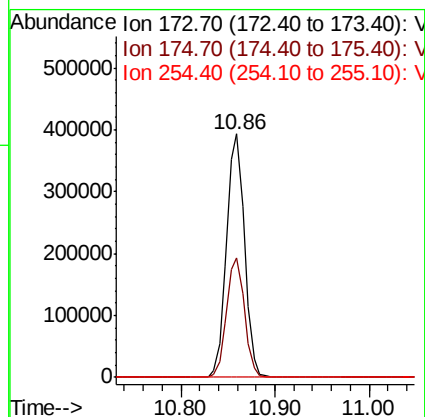
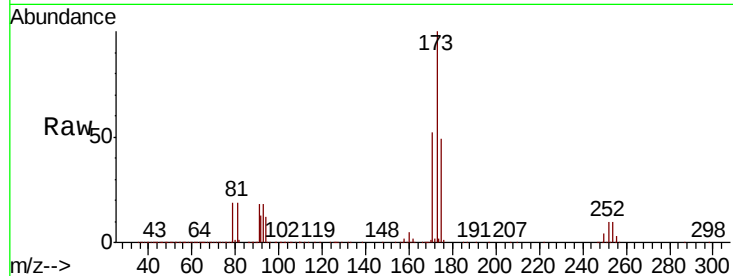
#71
Bromoform
Concen: 118.476 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.7	74.1
254	0.2	0.2	0.2

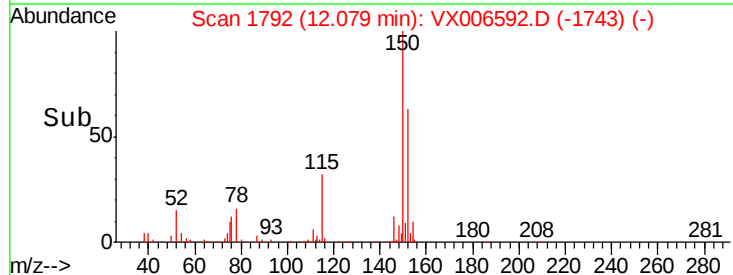
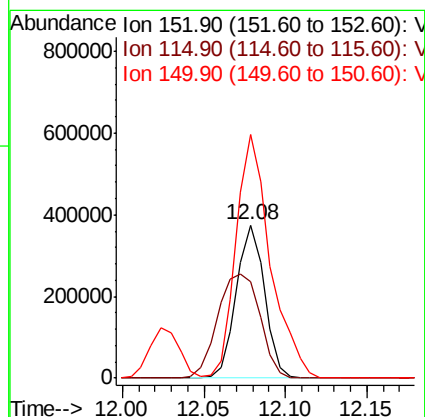
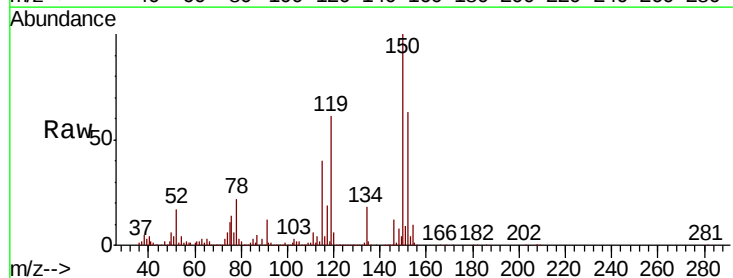
Manual Integrations
APPROVED

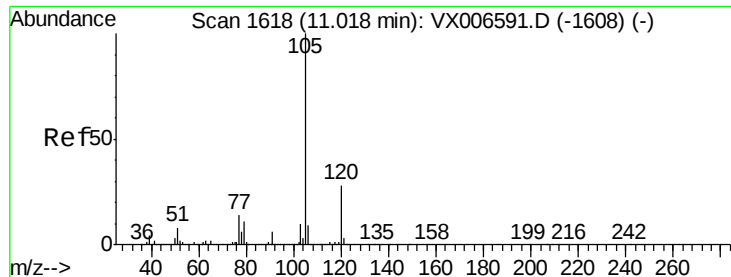
MMDadoda
12/19/2018 11:22:05 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	101.2	39.1	117.2
150	192.6	0.0	344.8





#73

Isopropylbenzene

Concen: 98.380 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 3050808

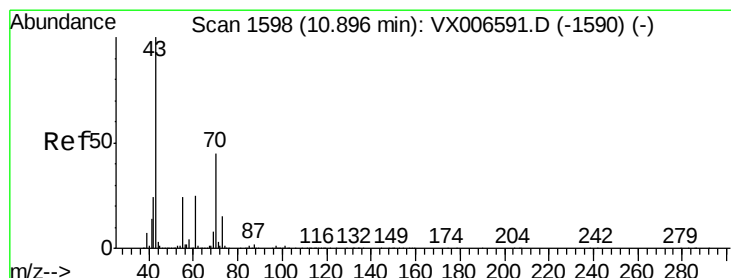
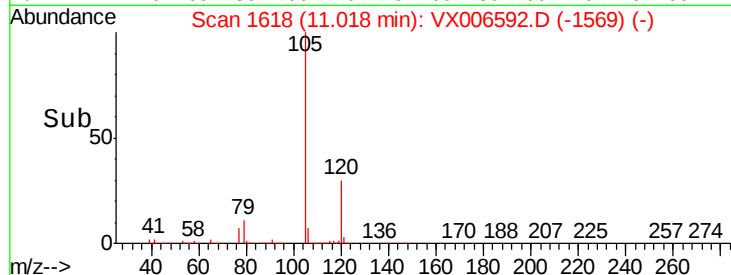
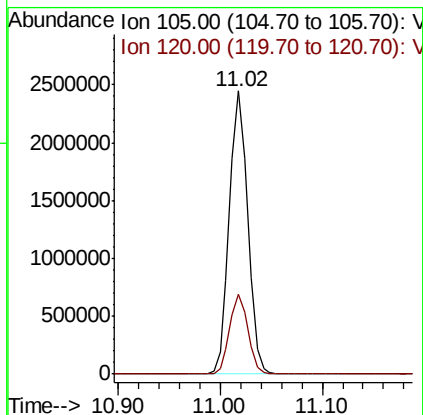
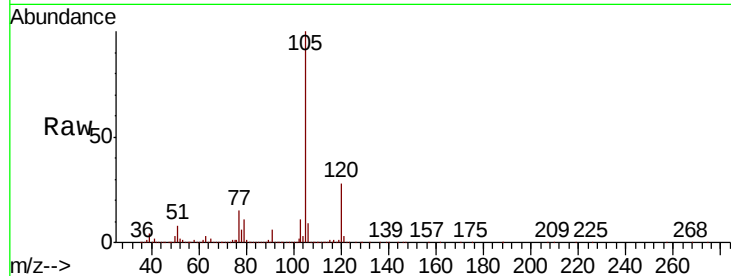
Ion Ratio Lower Upper

105 100

120 28.1 14.1 42.4

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#74

N-ethyl acetate

Concen: 106.569 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion: 43 Resp: 1182905

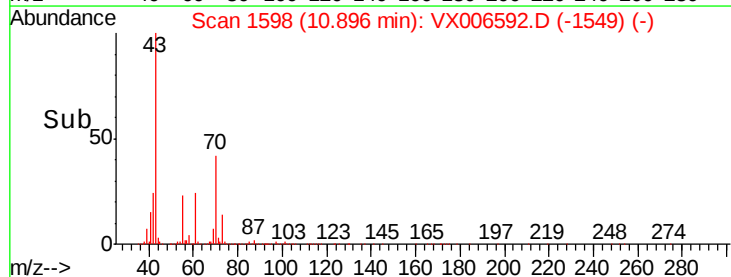
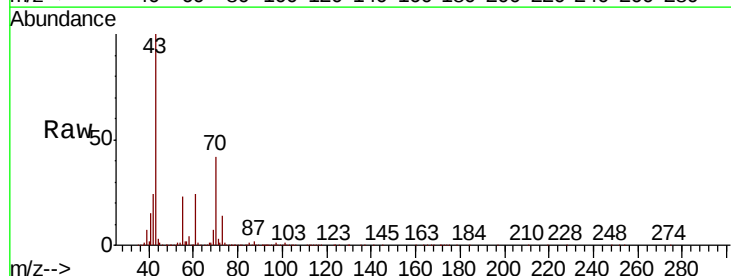
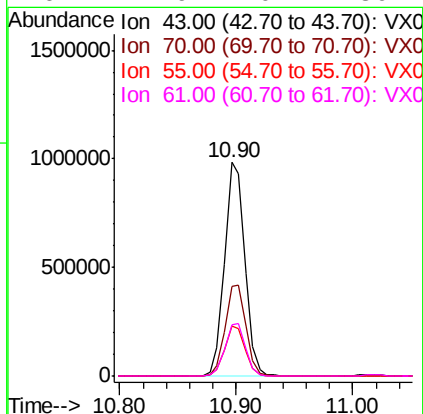
Ion Ratio Lower Upper

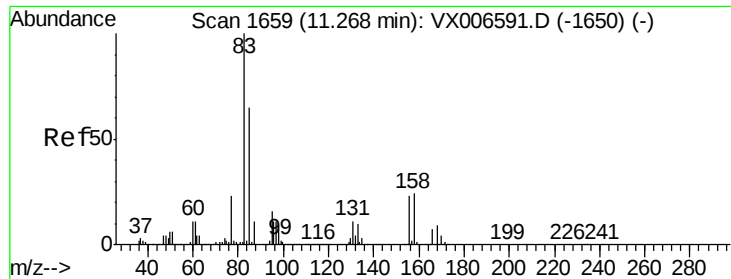
43 100

70 43.7 35.8 53.8

55 23.8 19.4 29.0

61 24.9 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 101.467 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 935786

Ion Ratio Lower Upper

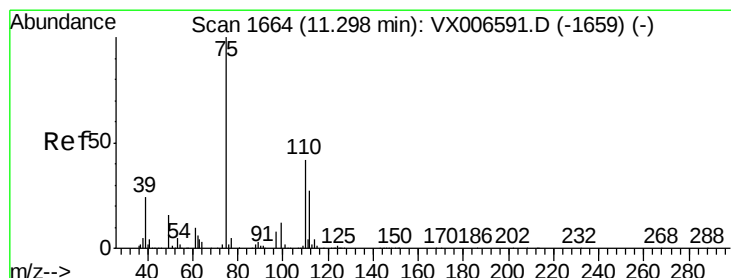
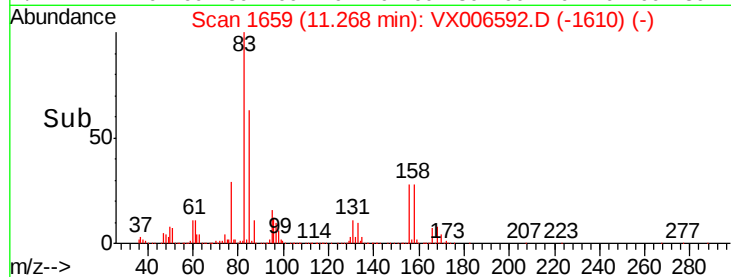
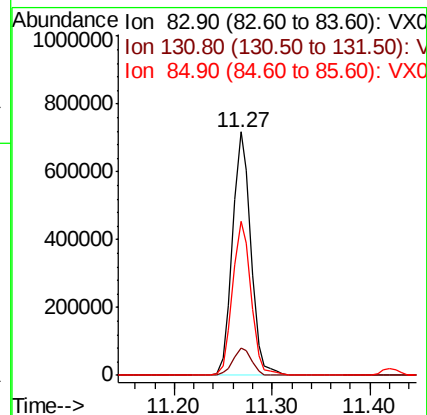
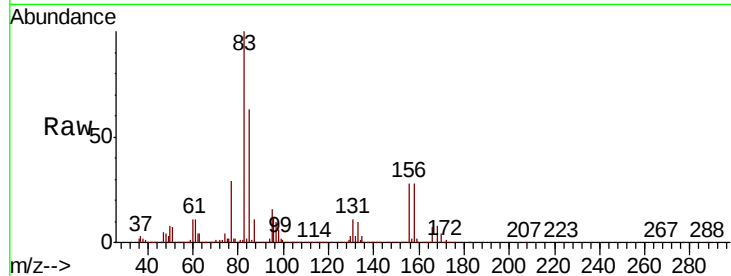
83 100

131 11.5 5.7 17.1

85 64.1 32.2 96.6

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#76

1,2,3-Trichloropropane

Concen: 106.948 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006592.D

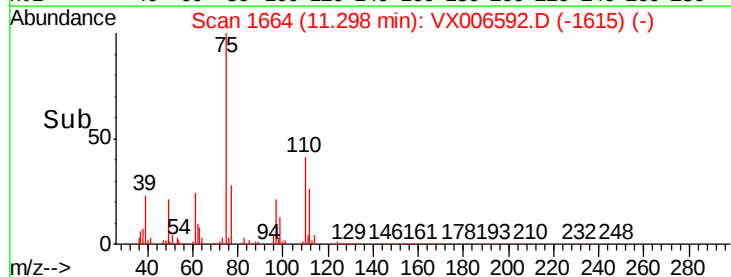
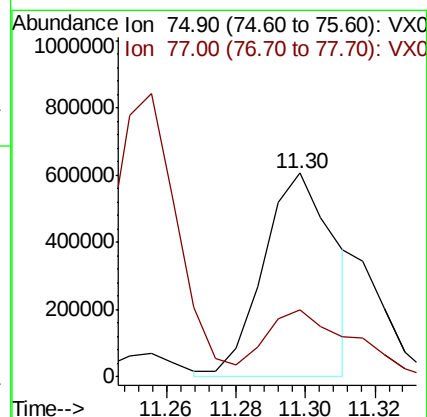
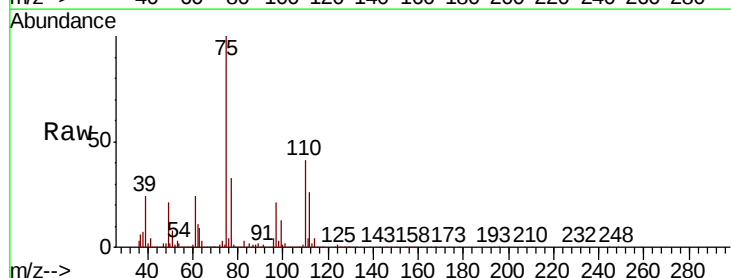
Acq: 18 Dec 2018 12:31

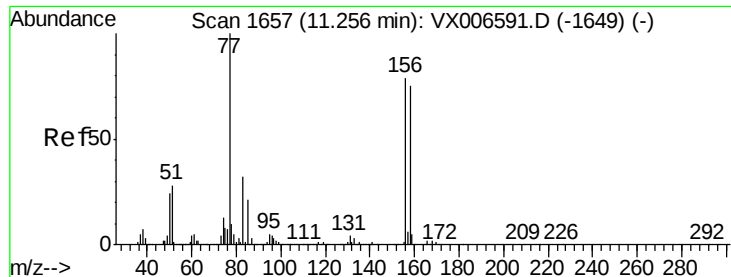
Tgt Ion: 75 Resp: 858776

Ion Ratio Lower Upper

75 100

77 39.8 18.5 55.5





#77

Bromobenzene

Concen: 97.866 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

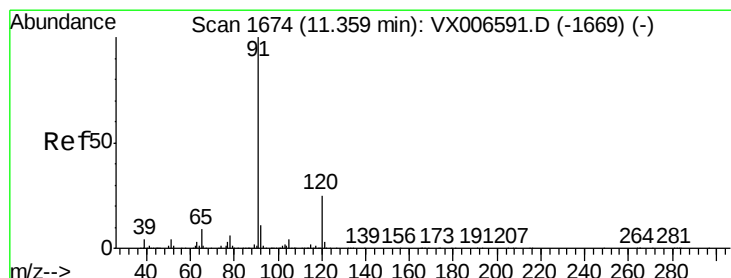
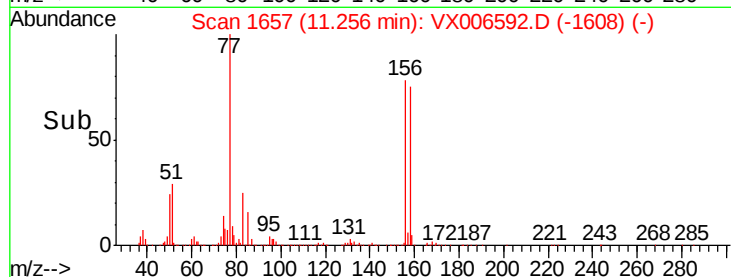
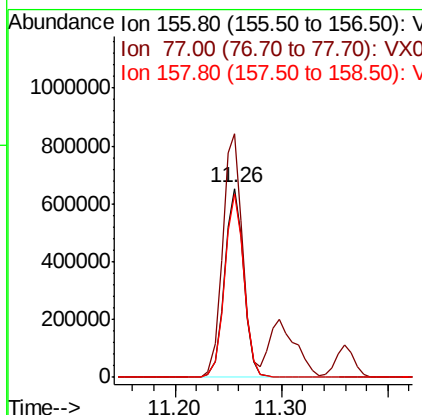
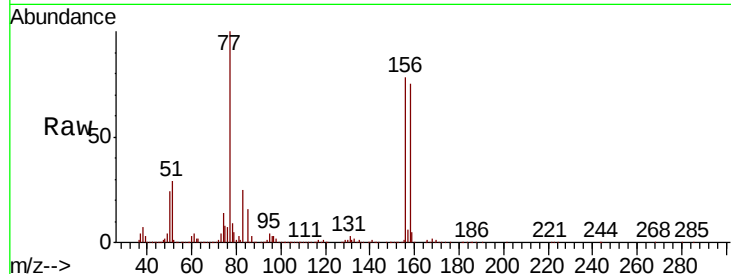
ClientSampleId :

VSTDICC100

Tot Ion:	156	Resp:	820490
Ion Ratio	Lower	Upper	
156	100		
77	133.7	68.0	204.0
158	97.8	48.3	144.8

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#78

n-propylbenzene

Concen: 100.546 ug/l

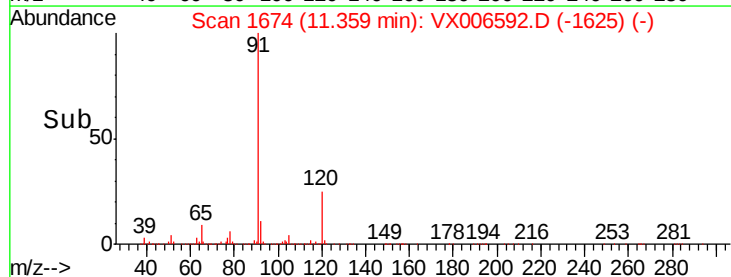
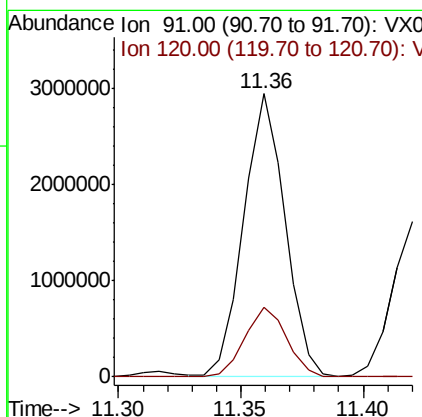
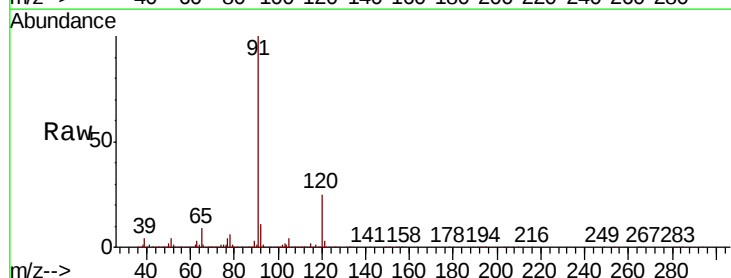
RT: 11.36 min Scan# 1674

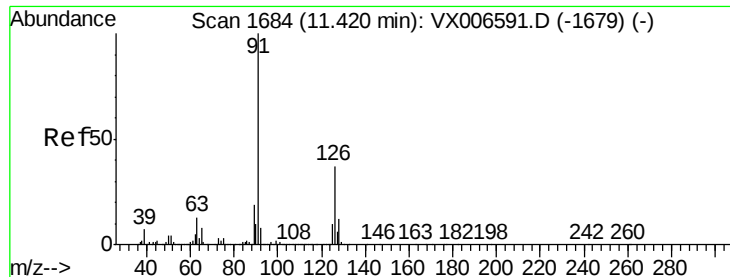
Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion:	91	Resp:	3433536
Ion Ratio	Lower	Upper	
91	100		
120	25.1	12.7	38.0





#79

2-Chlorotoluene

Concen: 95.510 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1976527

Ion Ratio Lower Upper

91 100

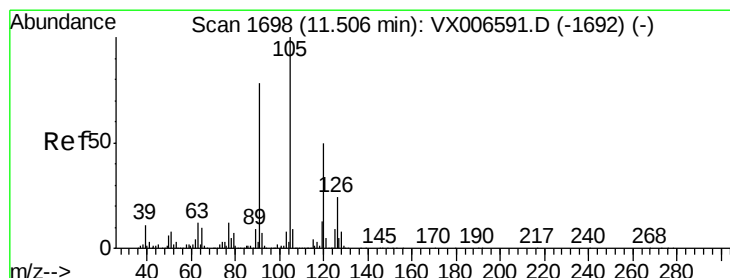
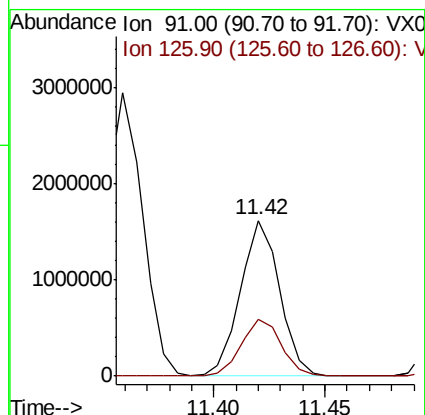
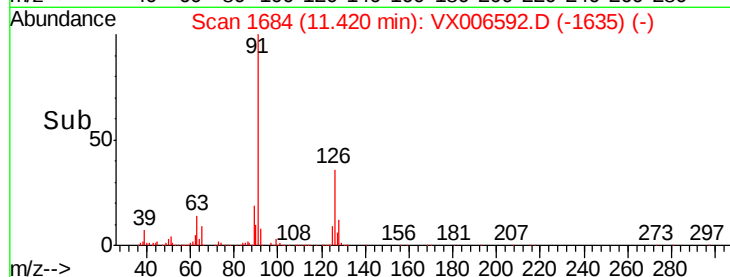
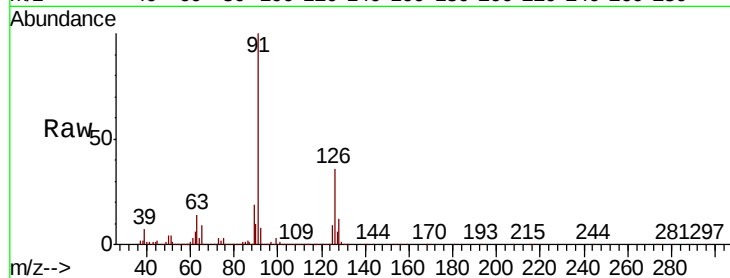
126 37.6 18.6 56.0

Manual Integrations

APPROVED

MMDadoda

12/19/2018 11:22:05 AM



#80

1,3,5-Trimethylbenzene

Concen: 98.695 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006592.D

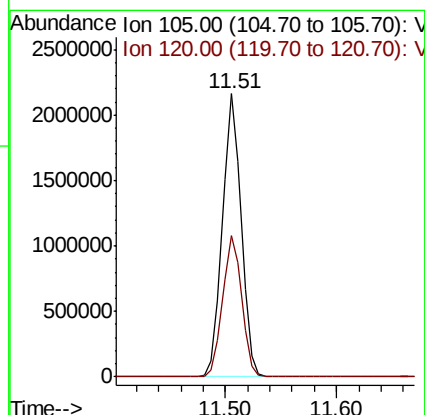
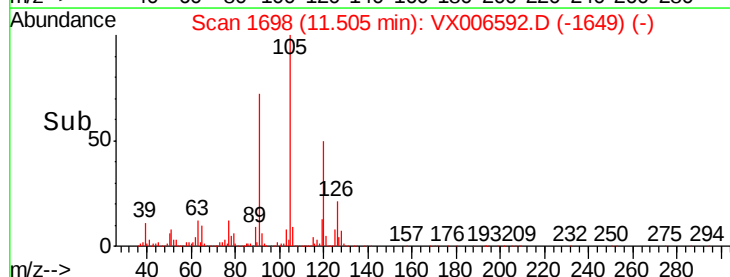
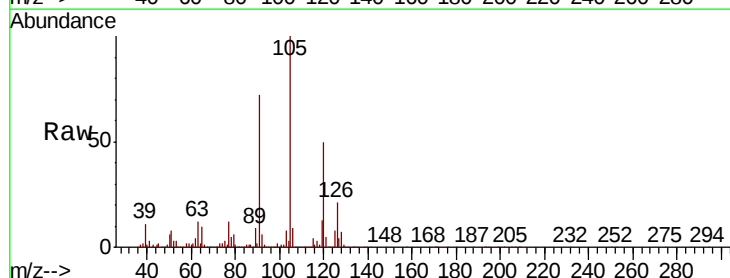
Acq: 18 Dec 2018 12:31

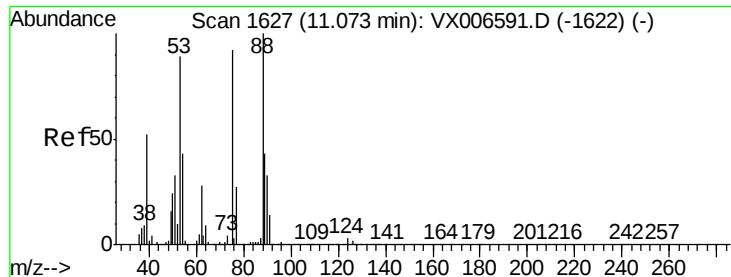
Tgt Ion:105 Resp: 2520899

Ion Ratio Lower Upper

105 100

120 50.6 25.1 75.3





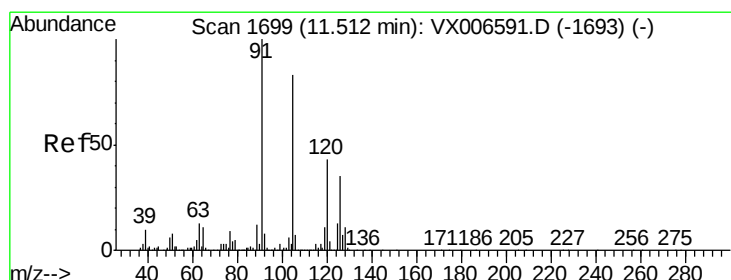
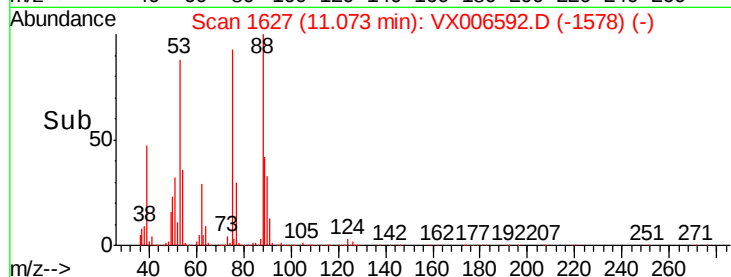
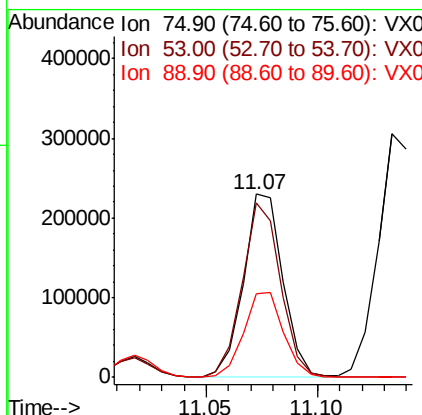
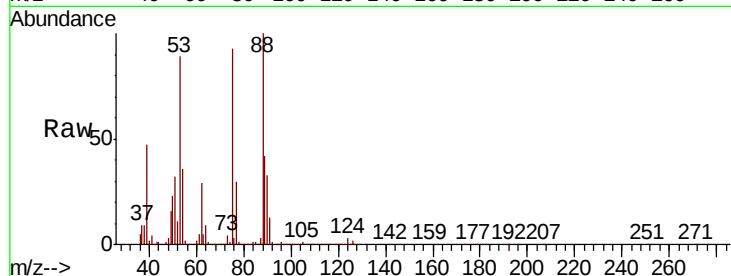
#81
trans-1,4-Dichloro-2-butene
Concen: 121.061 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.6	79.7	119.5
89	46.9	38.0	57.0

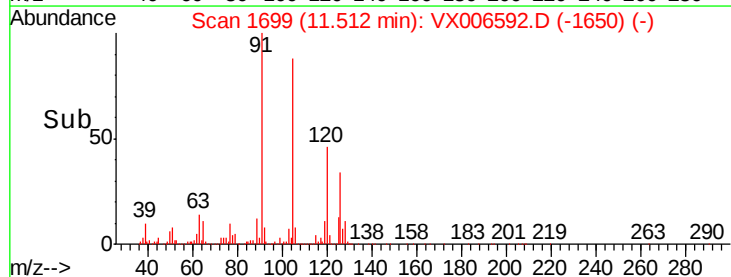
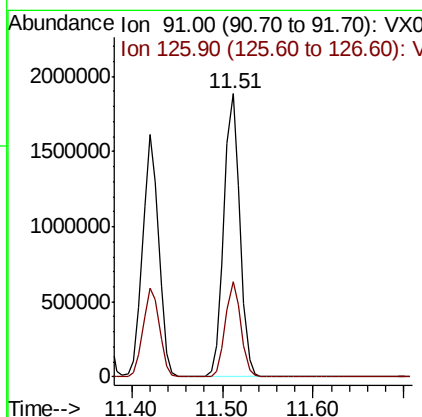
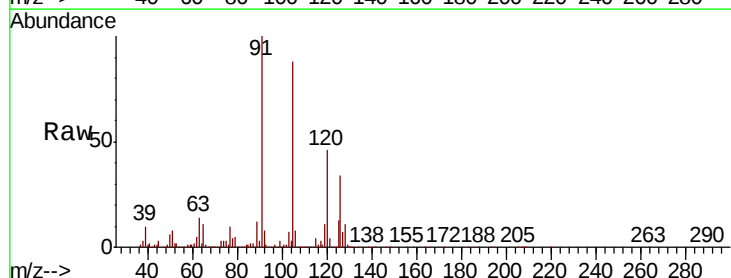
Manual Integrations
APPROVED

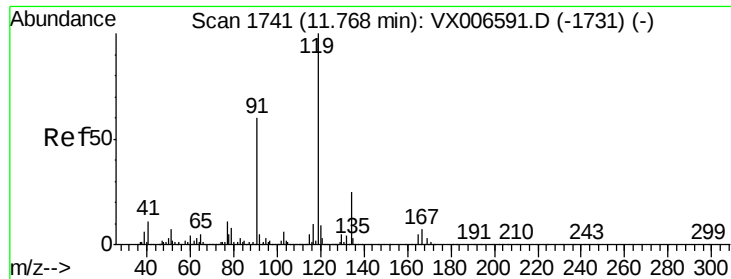
MMDadoda
12/19/2018 11:22:05 AM



#82
4-Chlorotoluene
Concen: 97.899 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.9





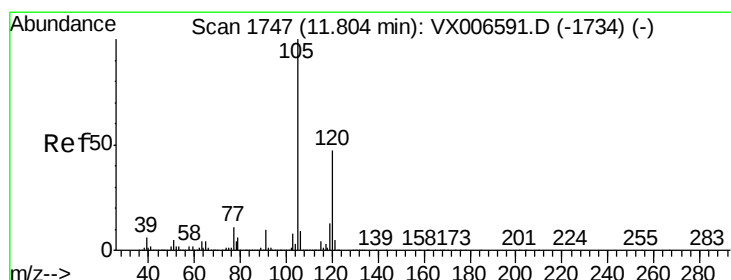
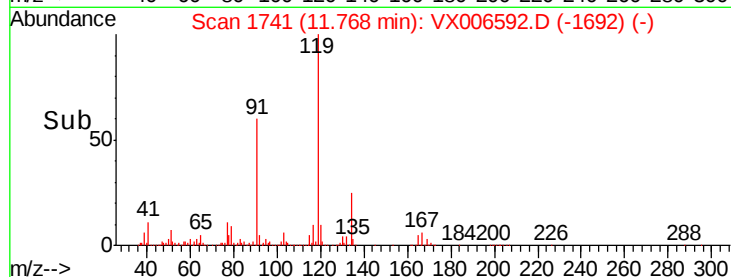
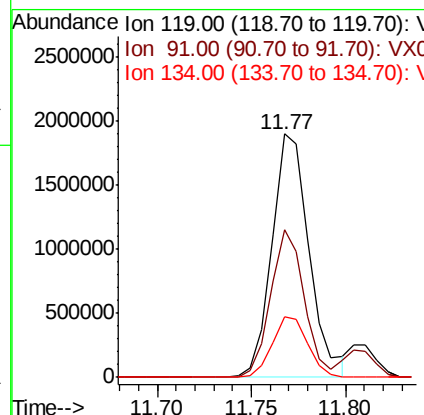
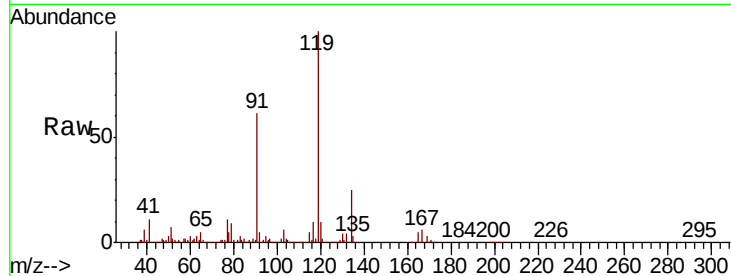
#83
tert-Butylbenzene
Concen: 101.535 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.7	27.7	83.1
134	24.0	11.9	35.5

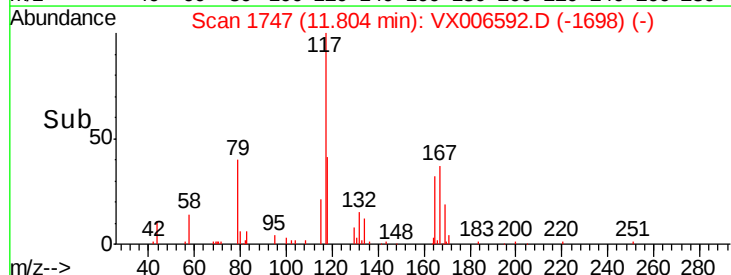
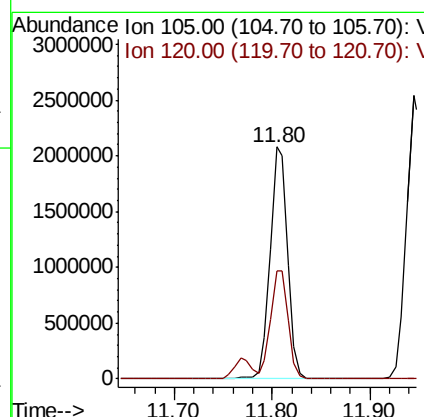
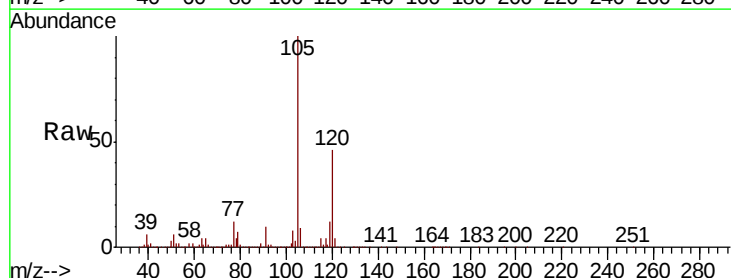
Manual Integrations
APPROVED

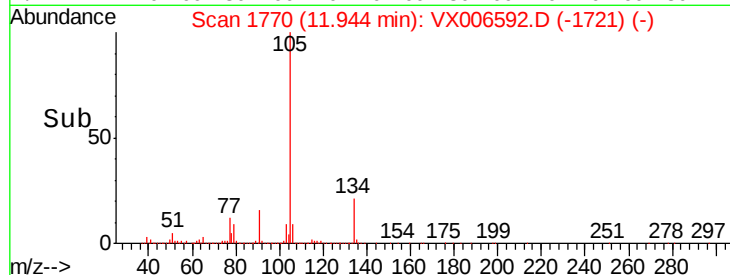
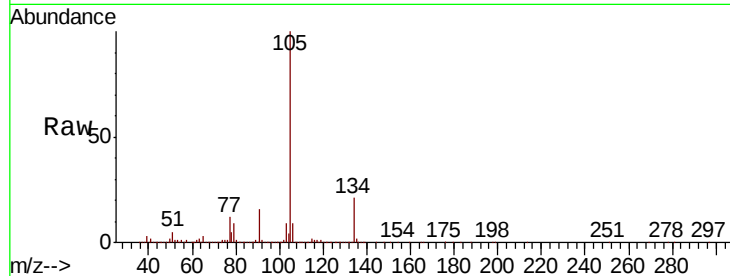
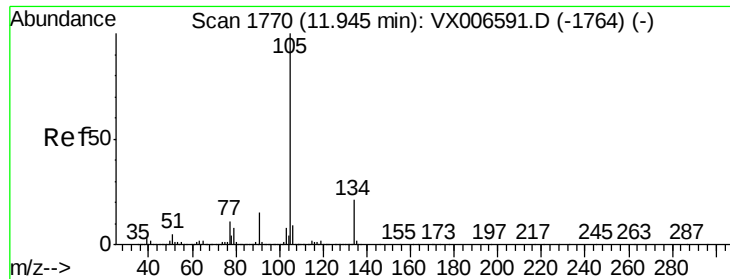
MMDadoda
12/19/2018 11:22:05 AM



#84
1,2,4-Trimethylbenzene
Concen: 96.498 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.2	69.6





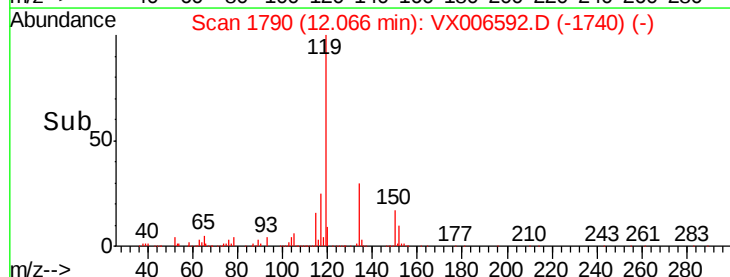
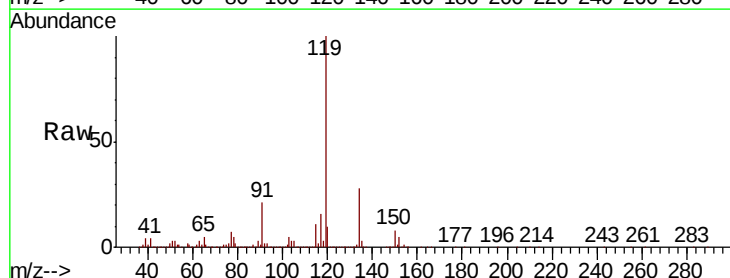
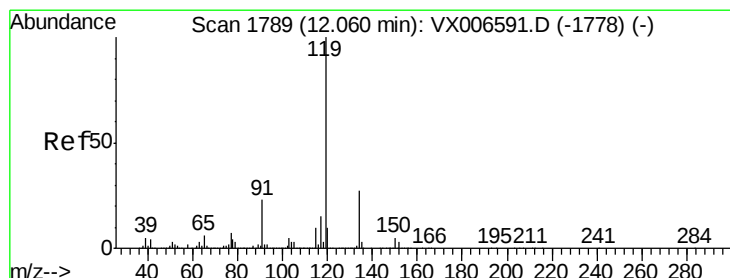
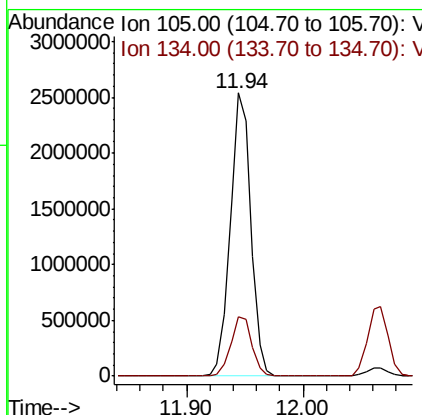
#85
 sec-Butylbenzene
 Concen: 99.231 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tot Ion:105 Resp: 3110162
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 31.9

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

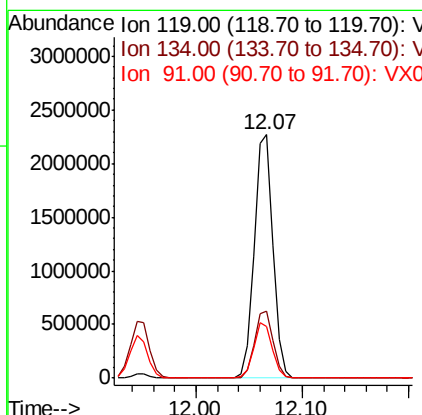
Manual Integrations
 APPROVED

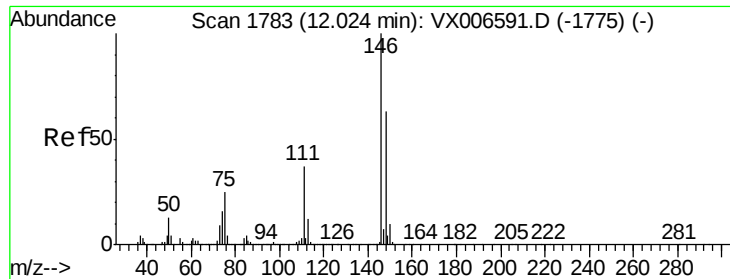
MMDadoda
 12/19/2018 11:22:05 AM



#86
 p-Isopropyltoluene
 Concen: 101.467 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion:119 Resp: 2795553
 Ion Ratio Lower Upper
 119 100
 134 27.5 14.0 41.9
 91 22.4 11.3 33.9





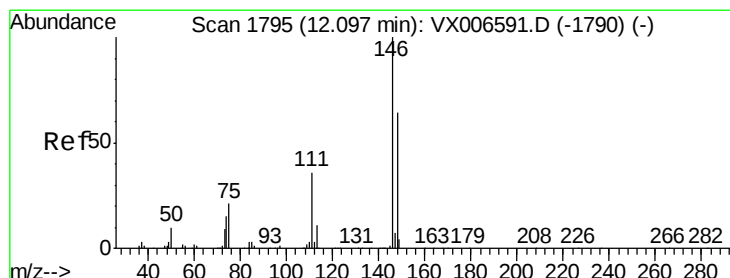
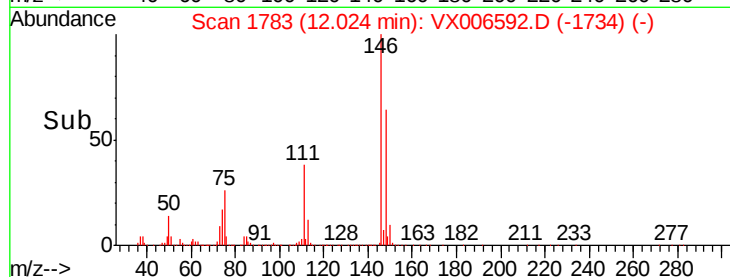
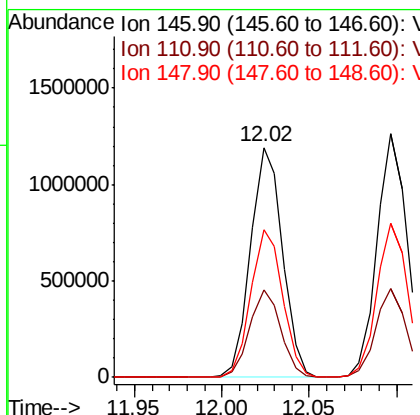
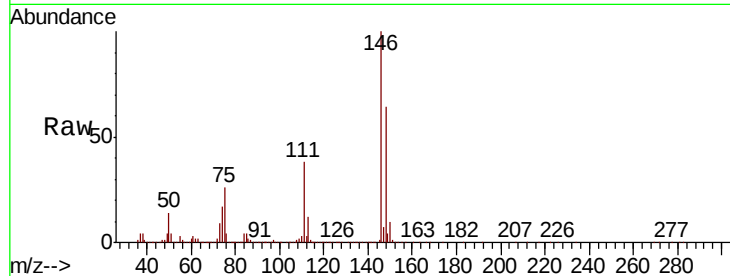
#87
 1,3-Dichlorobenzene
 Concen: 100.145 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	64.2	31.8	95.3

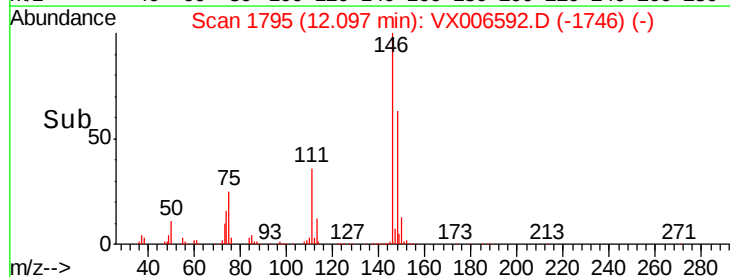
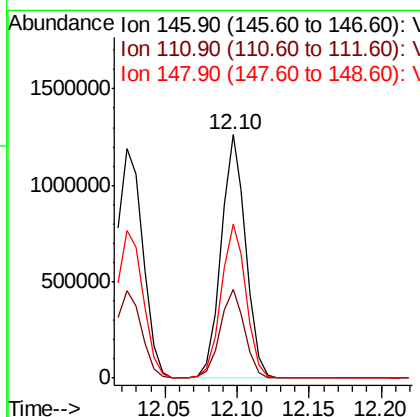
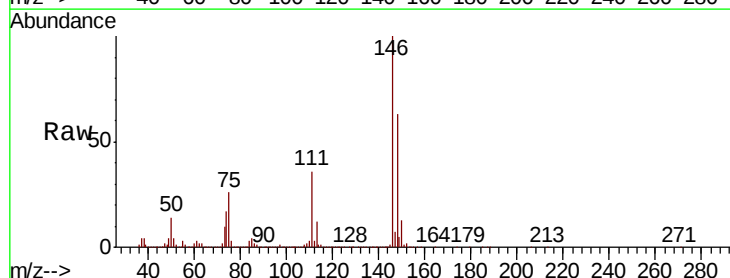
Manual Integrations
 APPROVED

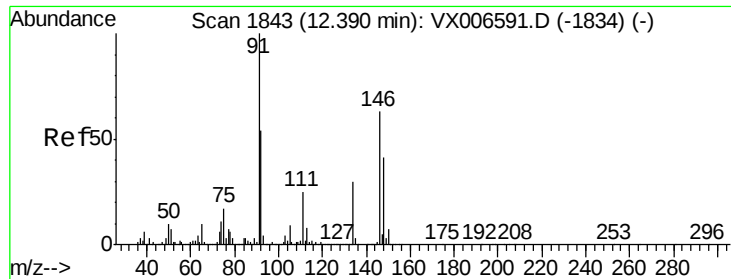
MMDadoda
 12/19/2018 11:22:05 AM



#88
 1,4-Dichlorobenzene
 Concen: 97.362 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006592.D
 Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	64.5	31.9	95.9





#89

n-Butylbenzene

Concen: 104.598 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2452564

Ion Ratio Lower Upper

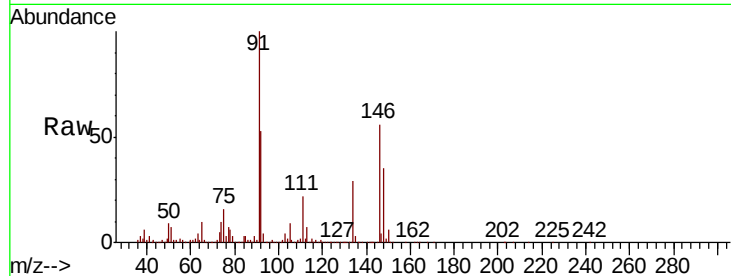
91 100

92 53.0 26.8 80.4

134 28.8 14.4 43.2

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1834) (-)

Ion 92.00 (91.70 to 92.70): VX006591.D (-1834) (-)

Ion 134.00 (133.70 to 134.70): VX006591.D (-1834) (-)

12.39

2500000

2000000

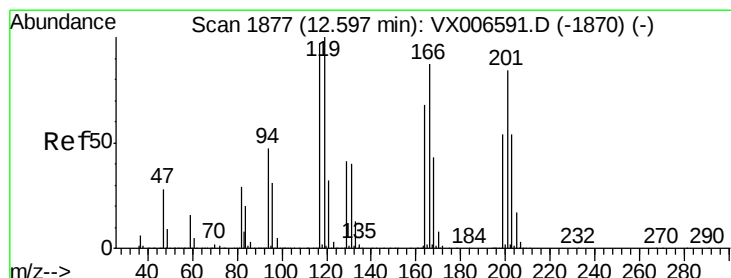
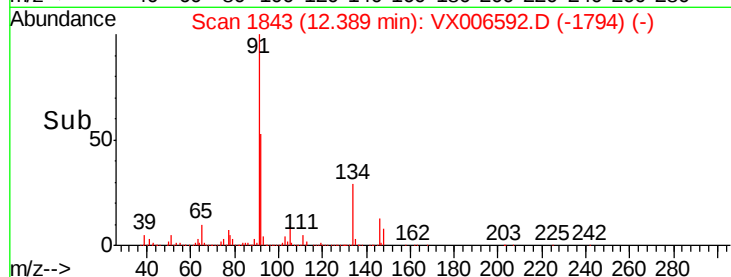
1500000

1000000

500000

0

Time-->



#90

Hexachloroethane

Concen: 117.791 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX006592.D

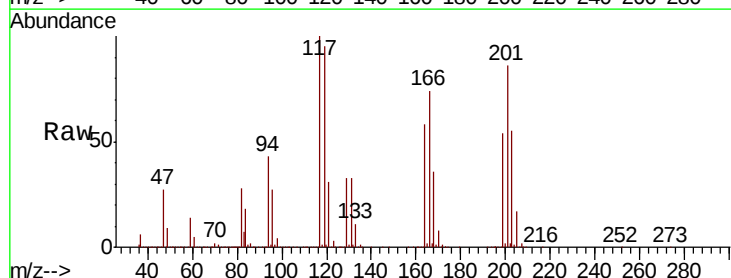
Acq: 18 Dec 2018 12:31

Tgt Ion: 117 Resp: 442082

Ion Ratio Lower Upper

117 100

201 87.4 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): VX006591.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX006591.D (-1870) (-)

12.60

400000

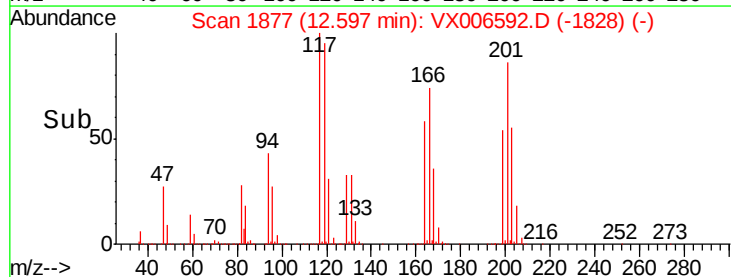
300000

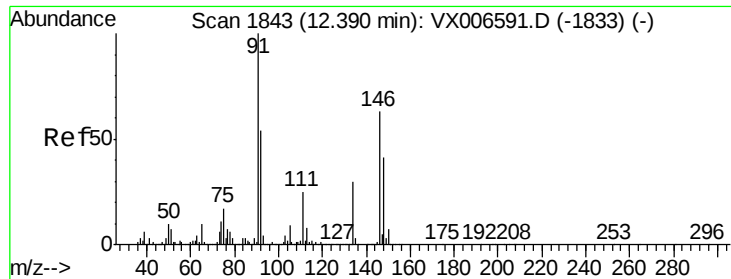
200000

100000

0

Time-->





#91

1,2-Dichlorobenzene

Concen: 97.573 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Instrument :

MSVOA_X

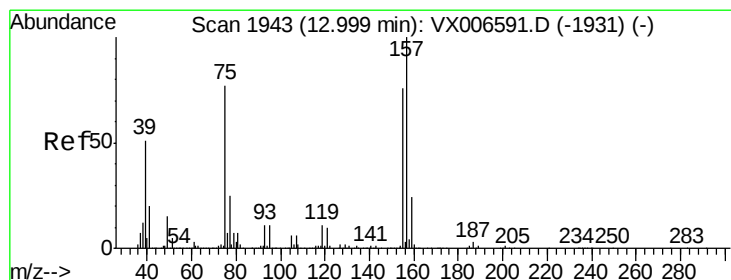
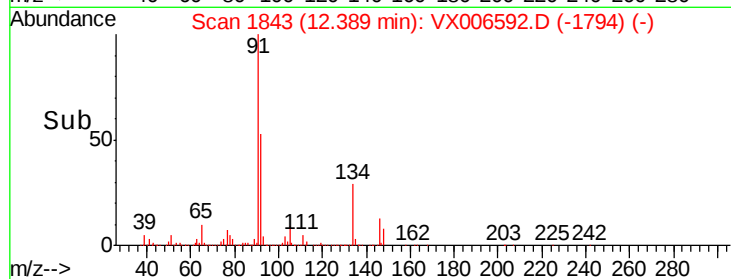
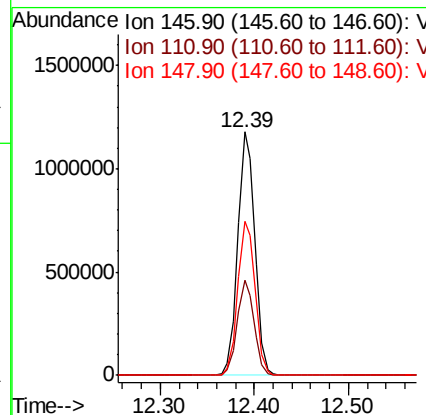
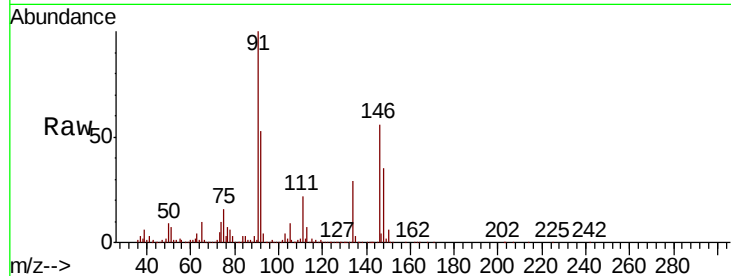
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	1474812
Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.2
148	64.1	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 108.582 ug/l

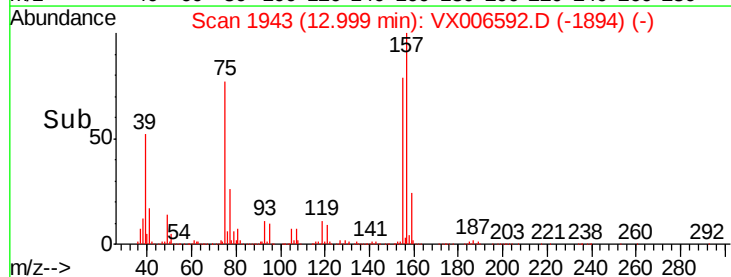
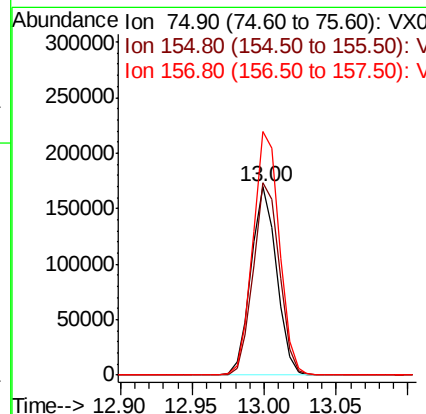
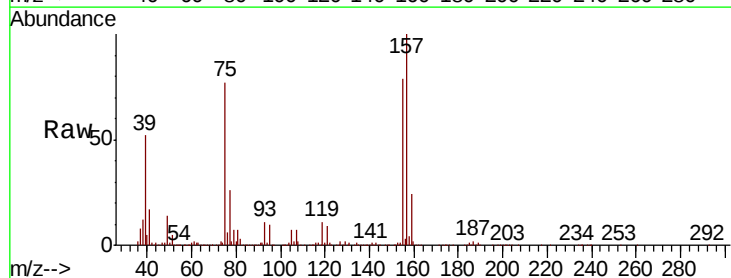
RT: 13.00 min Scan# 1943

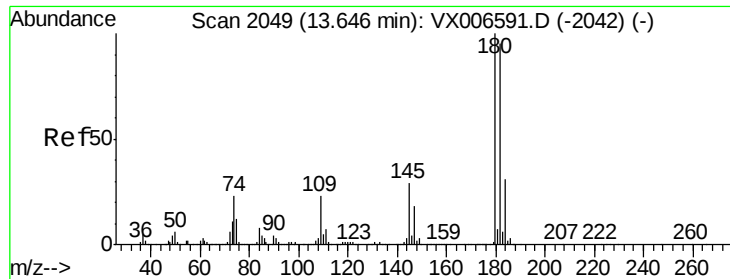
Delta R.T. -0.00 min

Lab File: VX006592.D

Acq: 18 Dec 2018 12:31

Tgt Ion:	75	Resp:	207204
Ion	Ratio	Lower	Upper
75	100		
155	104.0	50.6	151.8
157	132.7	64.6	193.8





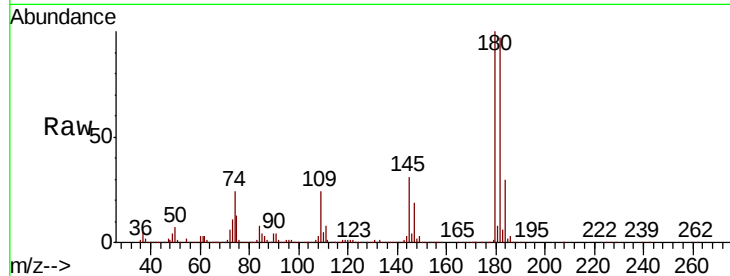
#93
1,2,4-Trichlorobenzene
Concen: 104.104 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	142.0
145	30.0	14.8	44.3

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM

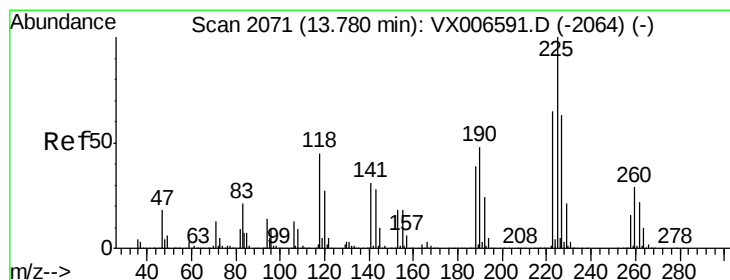
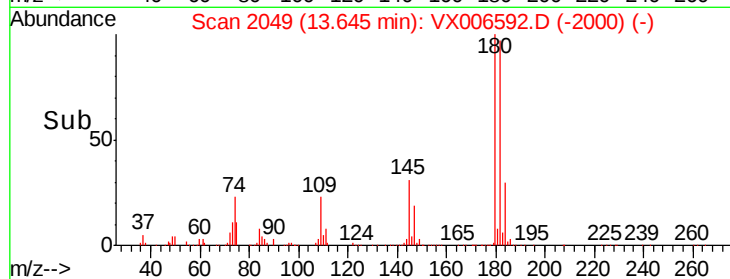
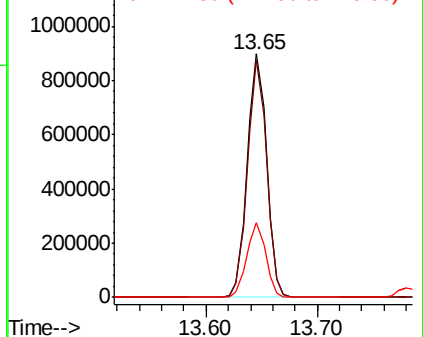


Abundance

Ion 179.80 (179.50 to 180.50): V

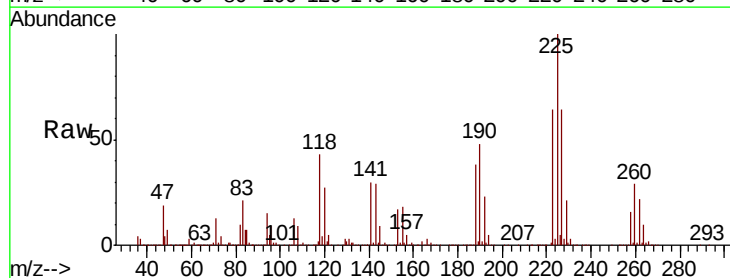
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 101.522 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.1	96.3
227	64.1	32.3	96.8

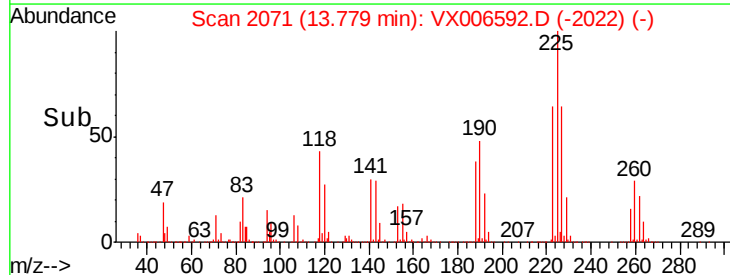
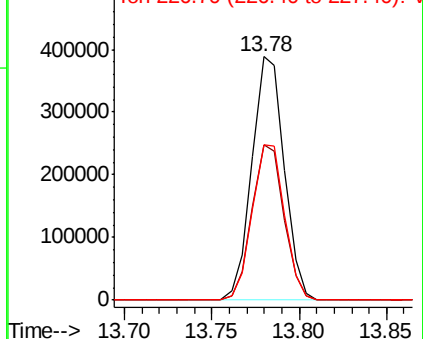


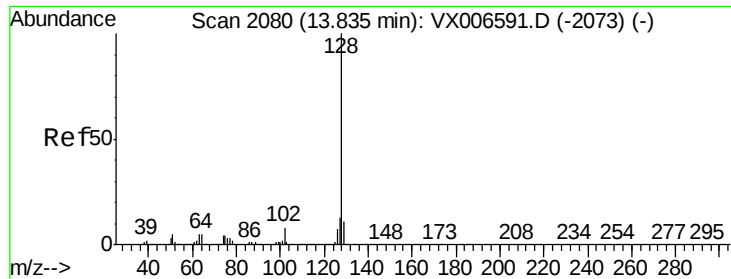
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





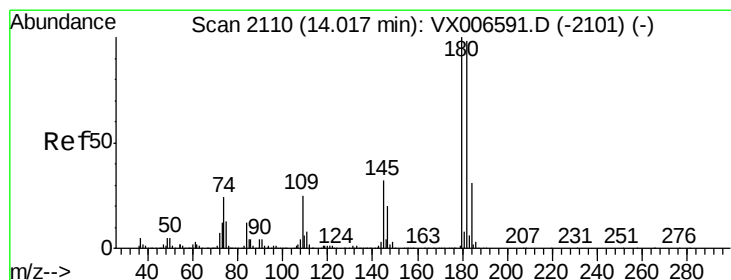
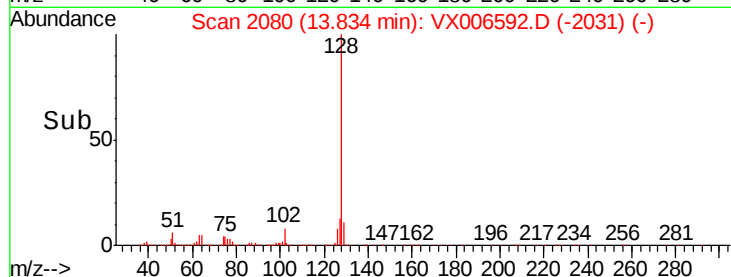
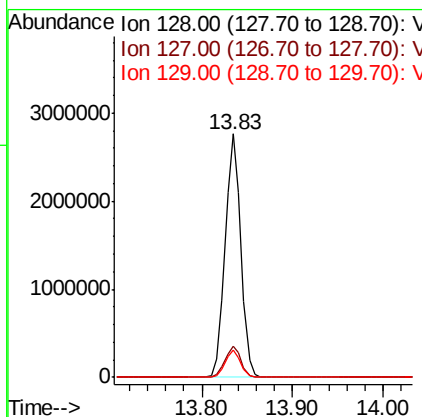
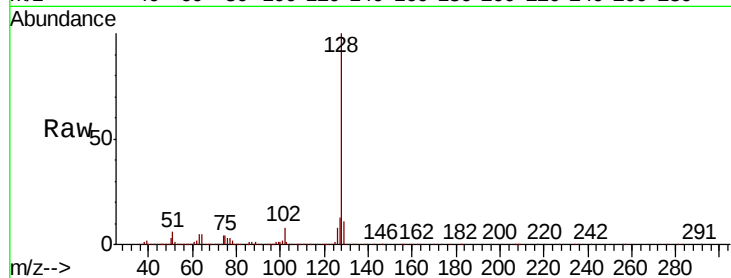
#95
Naphthalene
Concen: 100.781 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 100.511 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.01 min
Lab File: VX006592.D
Acq: 18 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.5	145.5
145	31.3	16.0	47.9

