

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022219\
 Data File : VX007660.D
 Acq On : 22 Feb 2019 15:22
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 2/25/2019 9:47:37 AM

Quant Time: Feb 23 01:16:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	67717	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	355629	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	325054	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	134518	30.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.37%
60) 4-Bromofluorobenzene	11.13	95	153811	30.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.77%
63) Toluene-d8	8.71	98	442046	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	72893	21.257	ug/l 99
3) Chloromethane	1.33	50	77379	20.532	ug/l 93
4) Vinyl Chloride	1.41	62	83977	19.810	ug/l 99
5) Bromomethane	1.65	94	61512	16.249	ug/l 96
6) Chloroethane	1.73	64	53340	18.511	ug/l 100
7) Trichlorofluoromethane	1.93	101	128608	19.354	ug/l 98
8) Diethyl Ether	2.19	74	51196	19.287	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76947	20.524	ug/l 98
10) 1,1-Dichloroethene	2.38	96	72653	19.529	ug/l 96
11) Methyl Iodide	2.51	142	107488	20.103	ug/l 97
12) Methyl Acetate	2.78	43	90808	17.700	ug/l 99
13) Acrolein	2.30	56	62687	70.045	ug/l 99
14) Acrylonitrile	3.15	53	217509	92.011	ug/l 98
15) Acetone	2.45	58	59653	92.983	ug/l 98
16) Carbon Disulfide	2.57	76	187297	18.985	ug/l 98
17) Allyl chloride	2.73	41	117045	18.363	ug/l 99
18) Methylene Chloride	2.86	84	78933	18.867	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	77467	19.469	ug/l 98
20) Diisopropyl ether	3.87	45	241522	20.050	ug/l 98
21) 1,1-Dichloroethane	3.70	63	134835	19.966	ug/l 100
22) cis-1,2-Dichloroethene	4.60	96	88443	19.973	ug/l 99
23) tert-Butyl Alcohol	3.07	59	85207	85.757	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	241377	18.696	ug/l 97
25) Chloroform	5.21	83	145054	20.337	ug/l 93
26) Cyclohexane	5.58	56	112099	19.795	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	99707	20.100	ug/l 99
30) 2-Butanone	4.70	43	288329	98.216	ug/l 98
31) 2,2-Dichloropropane	4.59	77	92755	23.014	ug/l 97
32) 1,1,1-Trichloroethane	5.50	97	121468	20.486	ug/l 99
33) Carbon Tetrachloride	5.79	117	104386	19.916	ug/l 95
34) Benzene	6.15	78	312538	19.985	ug/l 98
35) Methacrylonitrile	5.06	41	61710	20.217	ug/l 98
36) 1,2-Dichloroethane	6.20	62	106623	20.035	ug/l 99
37) Trichloroethene	7.21	130	90066	20.032	ug/l 100
38) Methylcyclohexane	7.46	83	117049	20.383	ug/l 98
39) 1,2-Dichloropropane	7.52	63	77014	19.799	ug/l 96
40) Dibromomethane	7.66	93	56894	20.252	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022219\
 Data File : VX007660.D
 Acq On : 22 Feb 2019 15:22
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 2/25/2019 9:47:37 AM

Quant Time: Feb 23 01:16:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	99924	20.043	ug/l #	95
42) Vinyl Acetate	3.82	43	1038478	101.062	ug/l	100
43) Ethyl Acetate	4.85	43	110677	19.687	ug/l #	81
44) Isopropyl Acetate	6.46	43	169730	19.554	ug/l	100
45) 1,4-Dioxane	7.75	88	36029	351.706	ug/l	99
46) Methyl methacrylate	7.77	41	85497	19.451	ug/l	97
47) n-amyl Acetate	10.90	43	154840	20.239	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	102791	19.973	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	115891	20.221	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	86417	21.097	ug/l	93
51) Ethyl methacrylate	9.18	69	115354	19.425	ug/l	97
52) 1,3-Dichloropropane	9.37	76	137825	20.860	ug/l	98
53) Dibromochloromethane	9.58	129	84222	19.769	ug/l	96
54) 1,2-Dibromoethane	9.67	107	92403	20.601	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	307480	101.843	ug/l	99
56) Bromoform	10.85	173	61567	19.158	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	576068	98.527	ug/l	100
59) 2-Hexanone	9.49	43	437956	98.617	ug/l	99
61) Tetrachloroethene	9.33	164	93676	20.301	ug/l	94
62) Toluene	8.79	91	354313	20.014	ug/l	99
64) Chlorobenzene	10.14	112	229042	19.909	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	84075	20.177	ug/l	99
66) Ethyl Benzene	10.25	91	371958	19.800	ug/l	98
67) m/p-Xylenes	10.36	106	297130	40.326	ug/l	98
68) o-Xylene	10.70	106	143798	20.010	ug/l	97
69) Styrene	10.71	104	232229	20.025	ug/l	98
70) Isopropylbenzene	11.02	105	378202	19.948	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	127398	20.328	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	118625m	20.701	ug/l	
73) Bromobenzene	11.26	156	103865	20.066	ug/l	99
74) n-propylbenzene	11.36	91	424952	20.187	ug/l	100
75) 2-Chlorotoluene	11.42	91	255748	20.319	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	305052	19.711	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	31931	19.305	ug/l	98
78) 4-Chlorotoluene	11.51	91	283681	19.745	ug/l	99
79) tert-butylbenzene	12.06	119	327566	19.933	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	320001	20.369	ug/l	99
81) sec-Butylbenzene	11.94	105	371000	20.074	ug/l	99
82) p-Isopropyltoluene	12.06	119	327566	19.933	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	183902	20.210	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	181496	19.987	ug/l	98
85) n-Butylbenzene	12.39	91	273535	20.059	ug/l	99
86) Hexachloroethane	12.60	117	53663	19.669	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	183816	20.126	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	24859	19.007	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	119291	19.887	ug/l	99
90) Hexachlorobutadiene	13.78	225	58052	20.713	ug/l	100
91) Naphthalene	13.83	128	369519	19.315	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	120780	19.807	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
Data File : VX007660.D
Acq On : 22 Feb 2019 15:22
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM

Quant Time: Feb 23 01:16:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 13 07:51:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

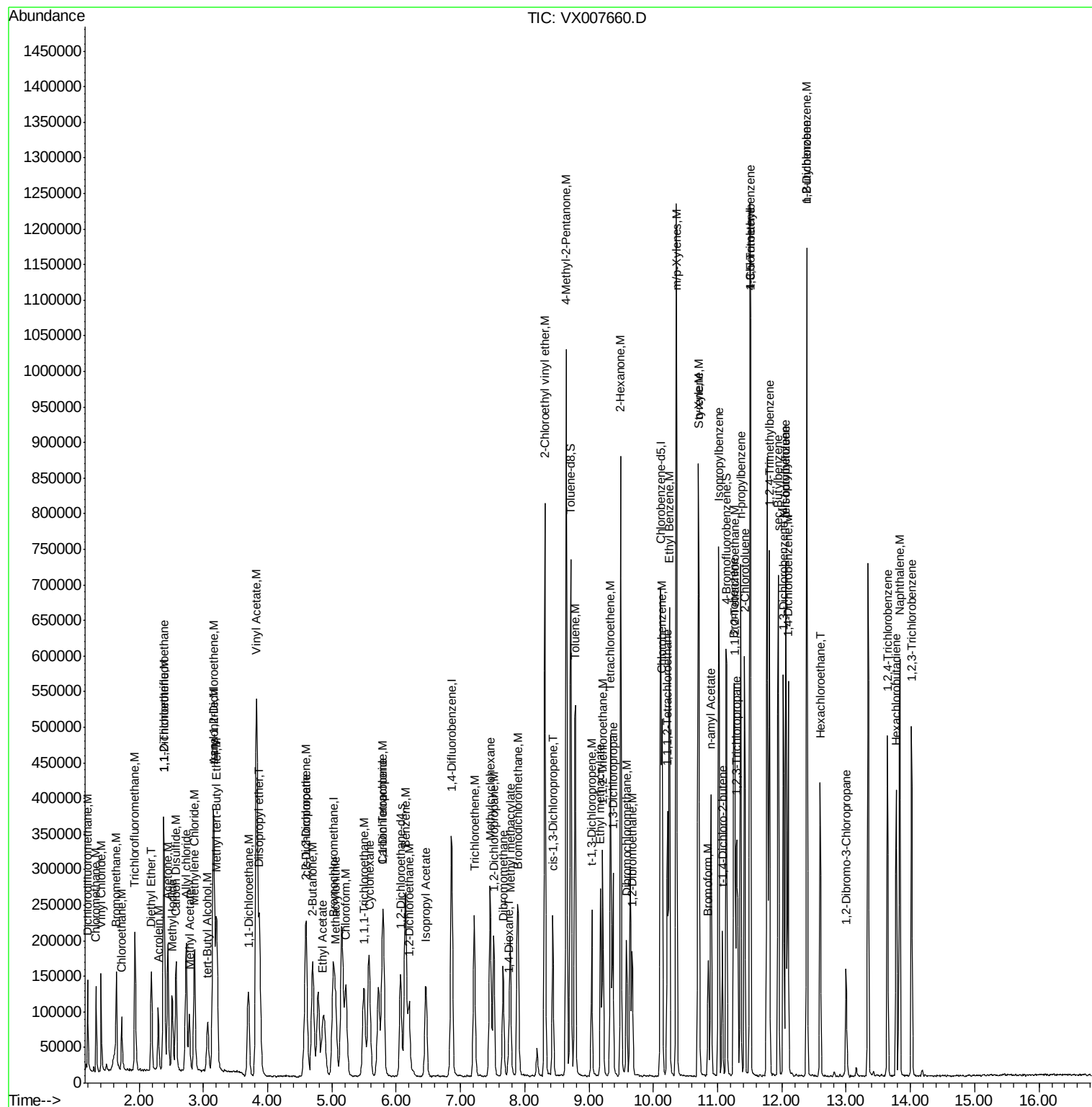
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022219\
 Data File : VX007660.D
 Acq On : 22 Feb 2019 15:22
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

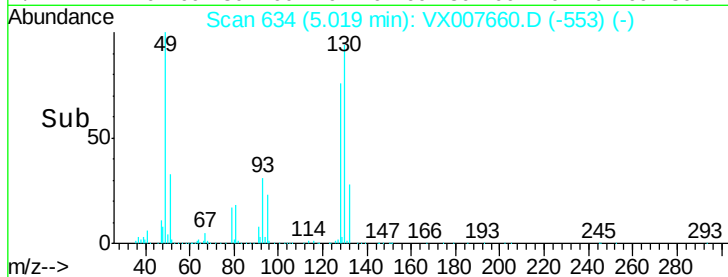
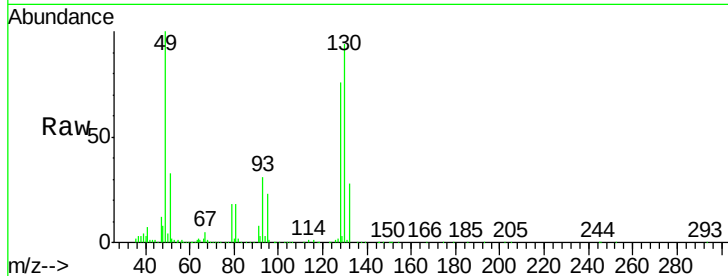
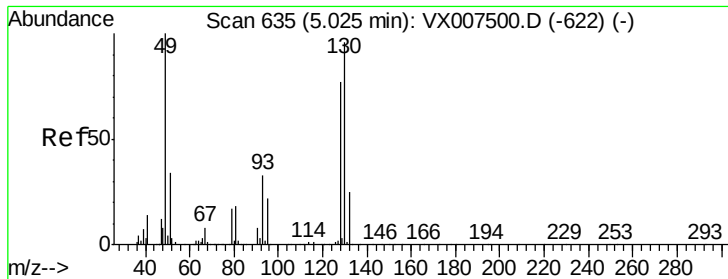
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 2/25/2019 9:47:37 AM

Quant Time: Feb 23 01:16:10 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.01 min

Lab File: VX007660.D

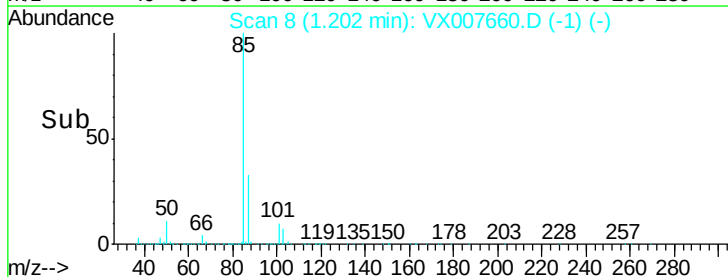
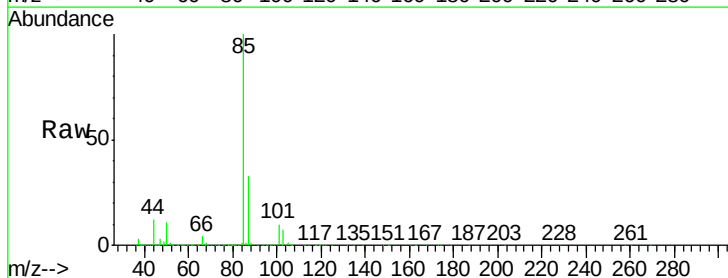
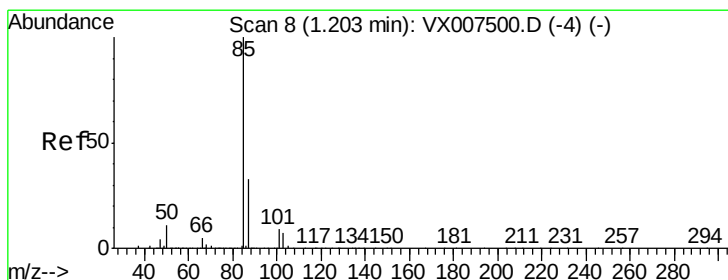
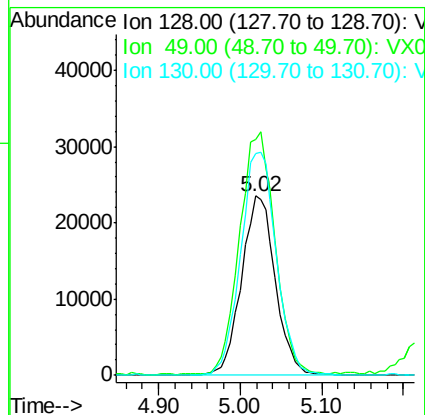
Acq: 22 Feb 2019 15:22

Tot Ion:	128	Resp:	67717
Ion	Ratio	Lower	Upper
128	100		
49	140.4	0.0	350.8
130	131.5	0.0	325.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#2

Dichlorodifluoromethane

Concen: 21.257 ug/l

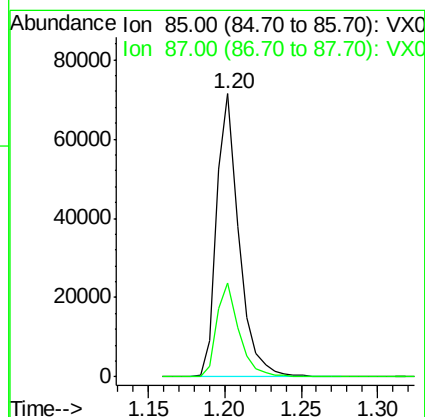
RT: 1.20 min Scan# 8

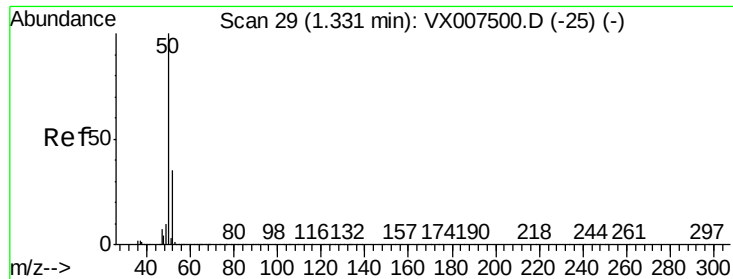
Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion:	85	Resp:	72893
Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.8





#3

Chloromethane

Concen: 20.532 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 77379

Ion Ratio Lower Upper

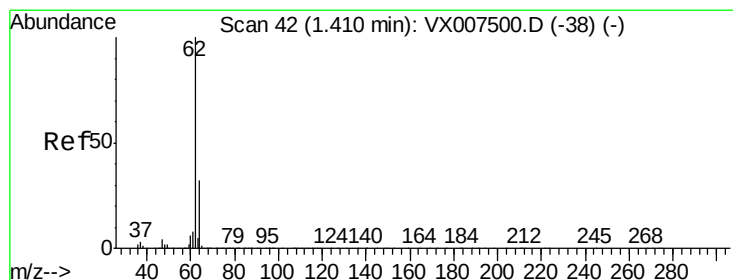
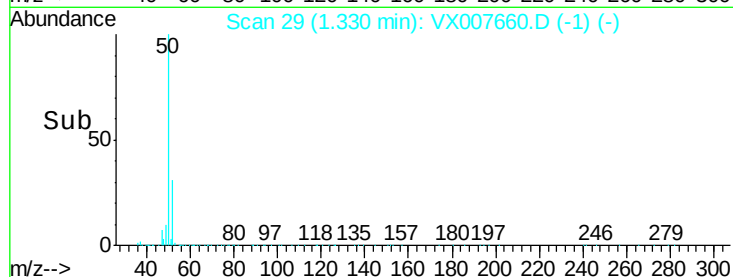
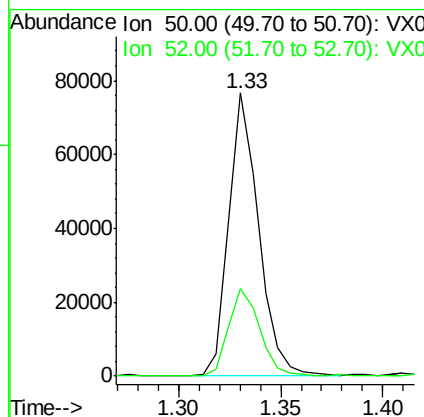
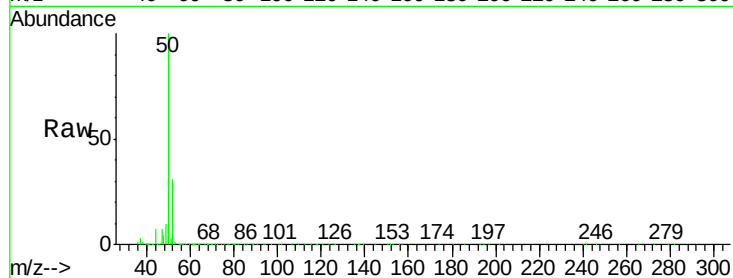
50 100

52 30.6 27.5 41.3

Manual Integrations
APPROVED

MMDadoda

2/25/2019 9:47:37 AM



#4

Vinyl Chloride

Concen: 19.810 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007660.D

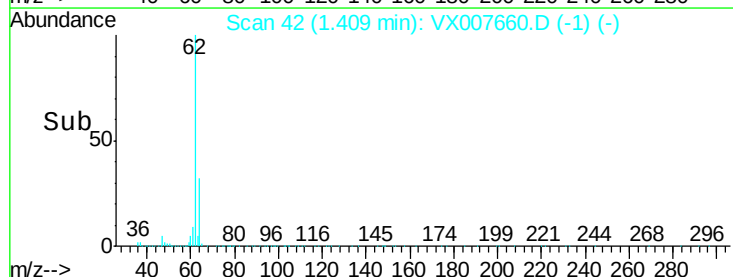
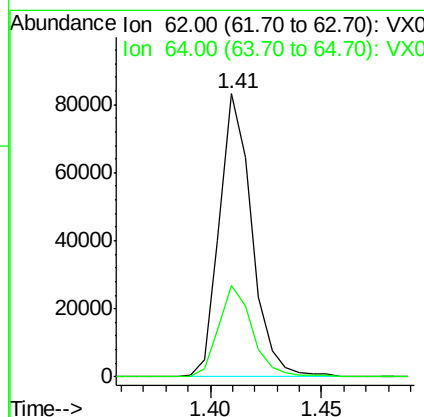
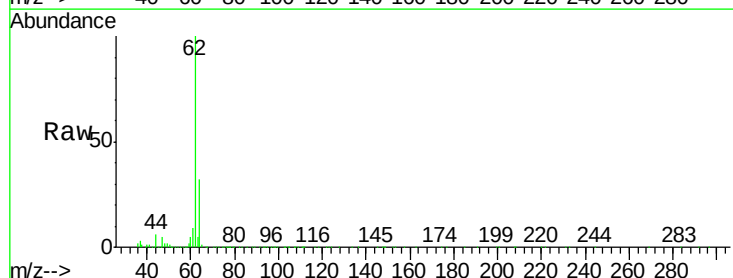
Acq: 22 Feb 2019 15:22

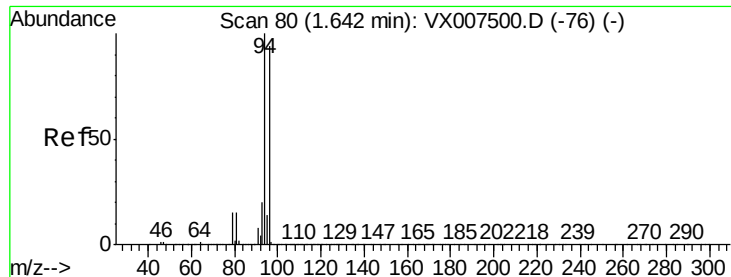
Tgt Ion: 62 Resp: 83977

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9





#5

Bromomethane

Concen: 16.249 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 61512

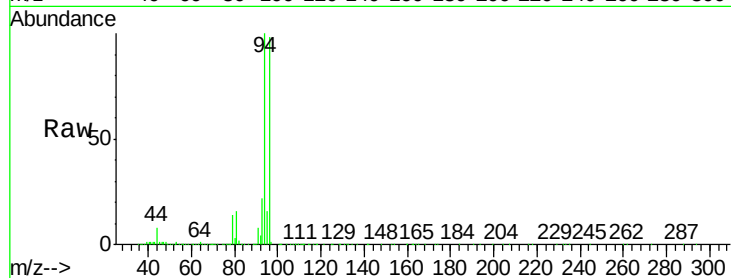
Ion Ratio Lower Upper

94 100

96 98.0 75.6 113.4

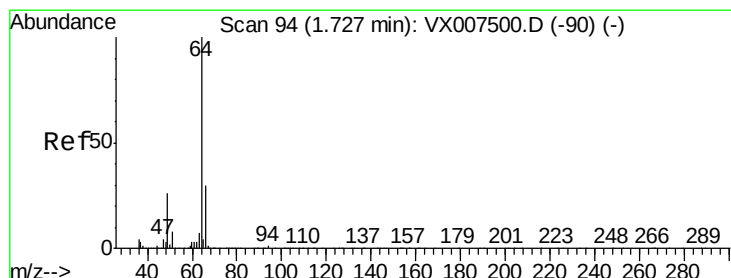
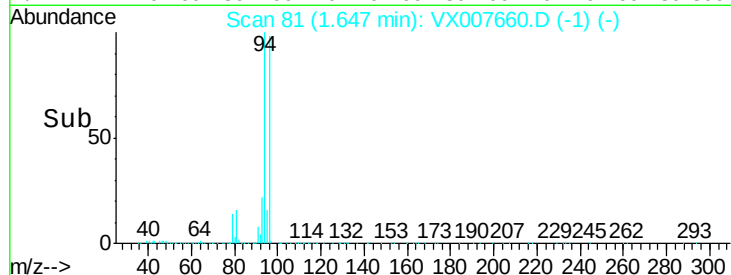
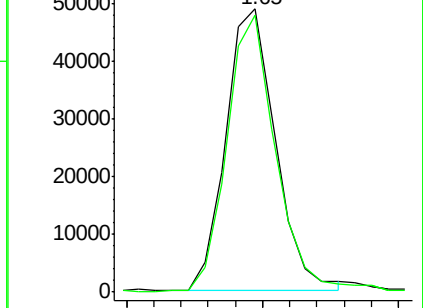
Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.511 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX007660.D

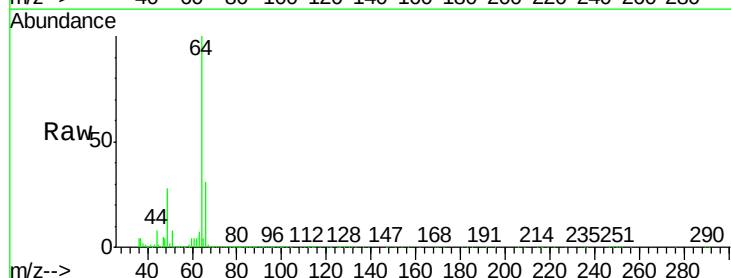
Acq: 22 Feb 2019 15:22

Tgt Ion: 64 Resp: 53340

Ion Ratio Lower Upper

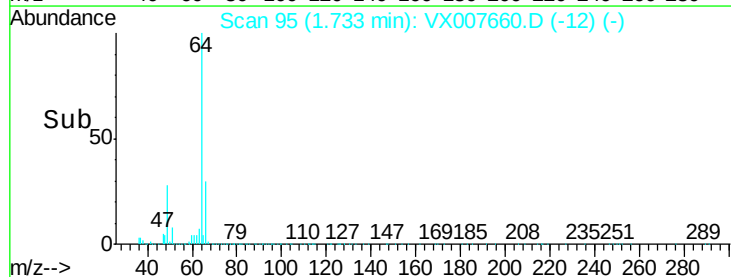
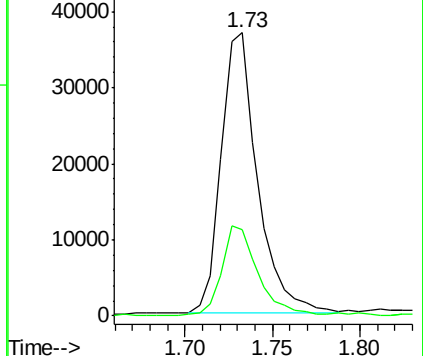
64 100

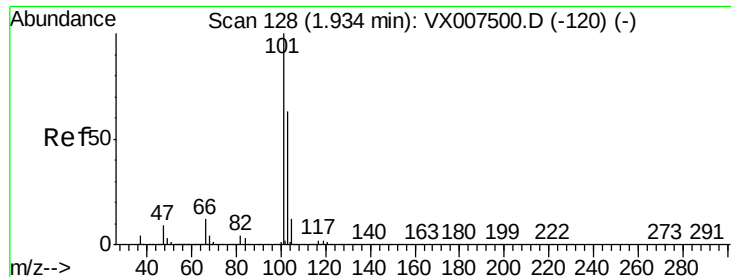
66 30.1 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

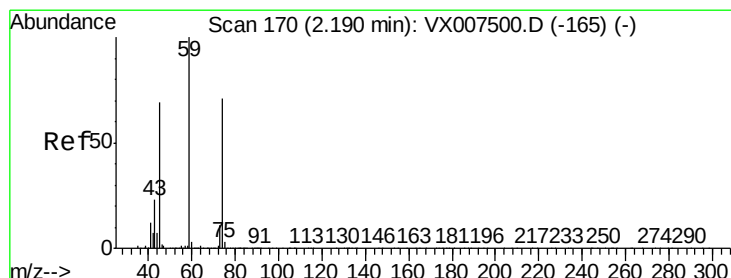
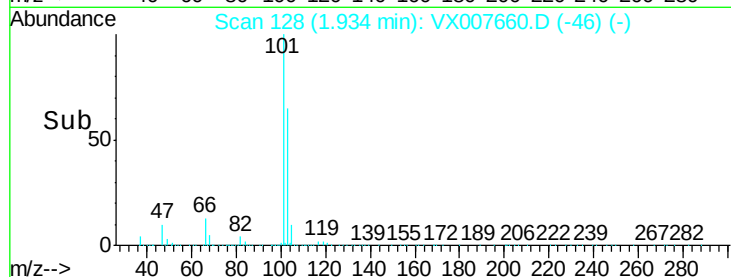
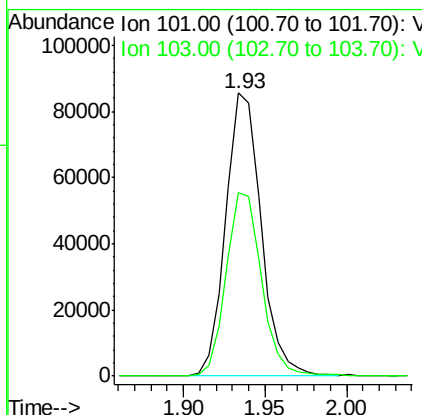
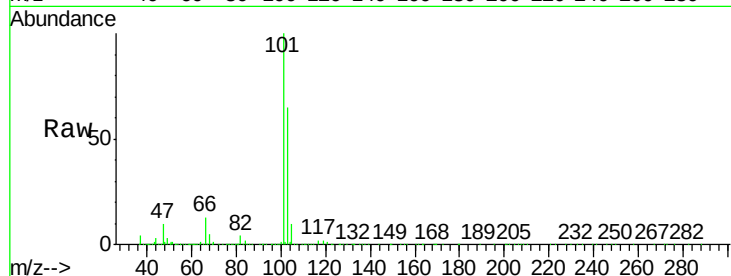
Trichlorofluoromethane
Concen: 19.354 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.4	75.6

Manual Integrations
APPROVED

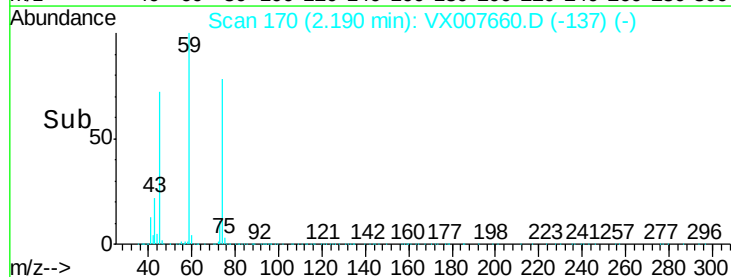
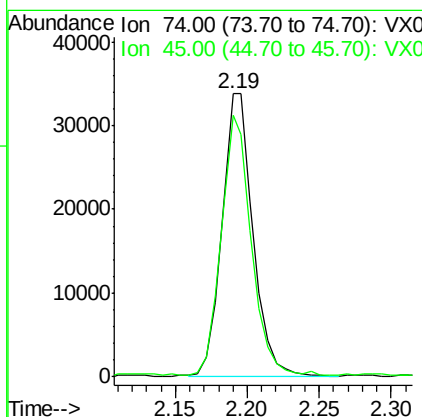
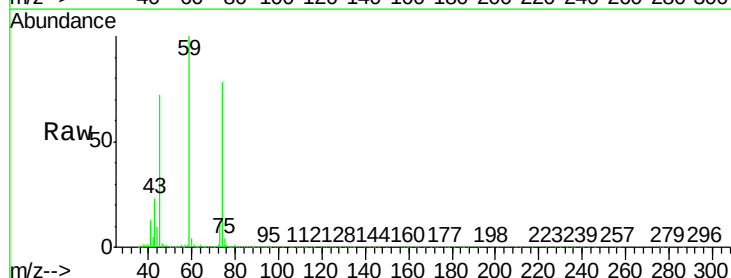
MMDadoda
2/25/2019 9:47:37 AM

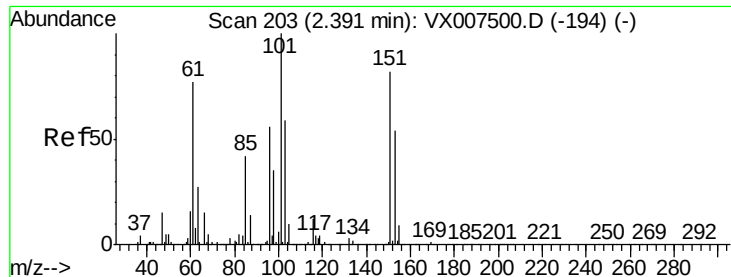


#8

Diethyl Ether
Concen: 19.287 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.5	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.524 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

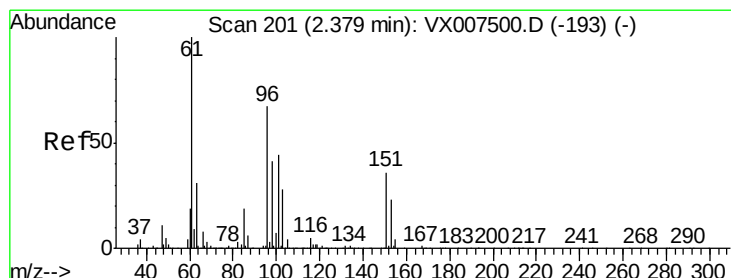
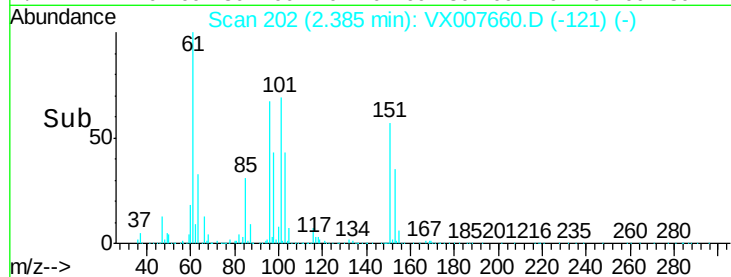
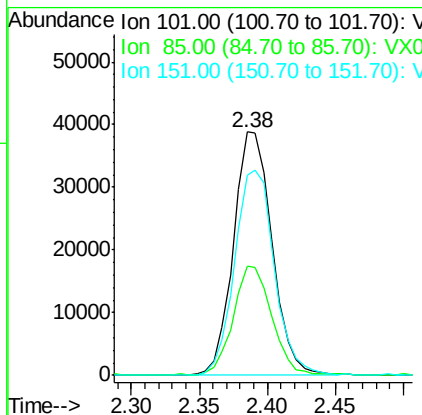
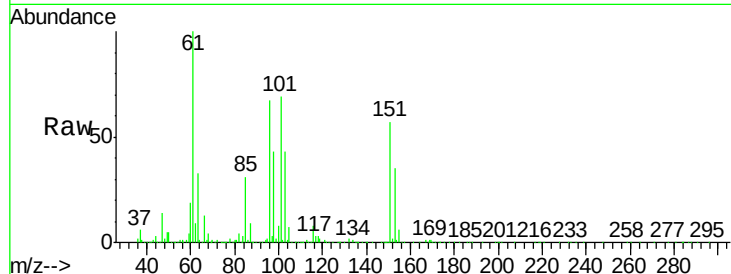
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	76947
Ion Ratio	Lower	Upper	
101	100		
85	44.1	0.0	86.8
151	86.8	0.0	169.2

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#10

1,1-Dichloroethene

Concen: 19.529 ug/l

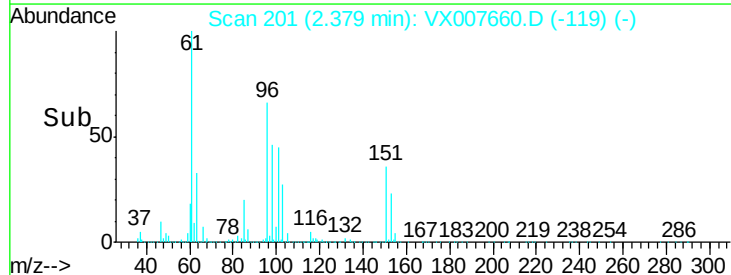
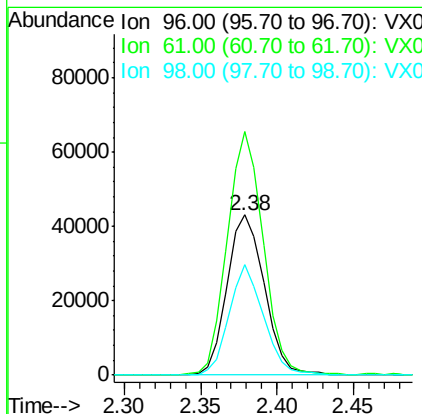
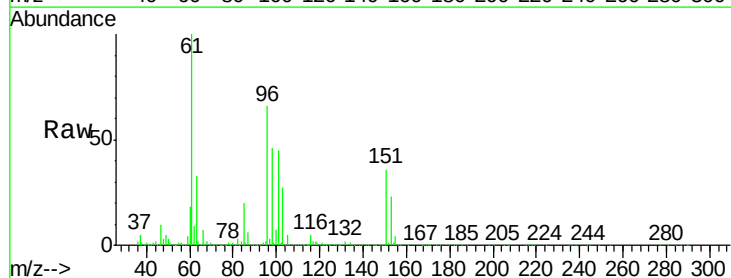
RT: 2.38 min Scan# 201

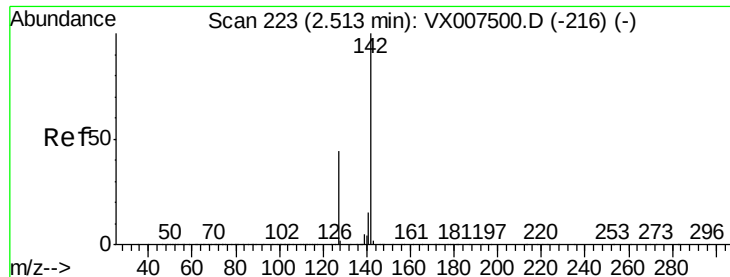
Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion:	96	Resp:	72653
Ion Ratio	Lower	Upper	
96	100		
61	151.7	120.2	180.2
98	69.4	49.0	73.4





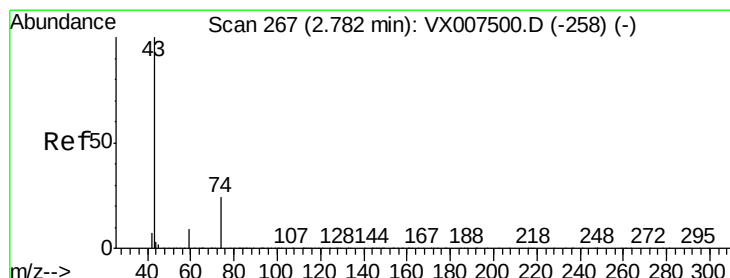
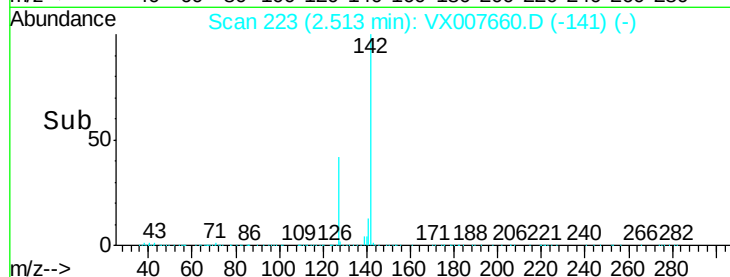
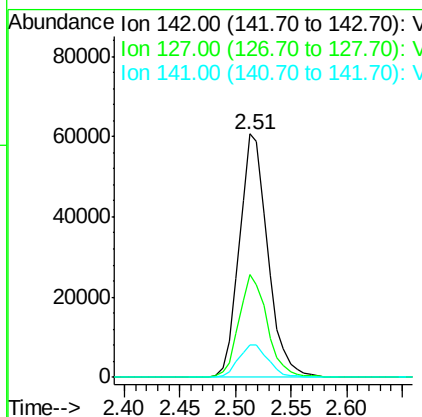
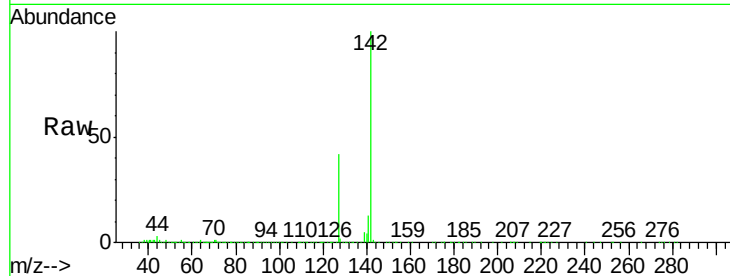
#11
Methvl Iodide
Concen: 20.103 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.3	22.1	66.5
141	13.0	7.4	22.3

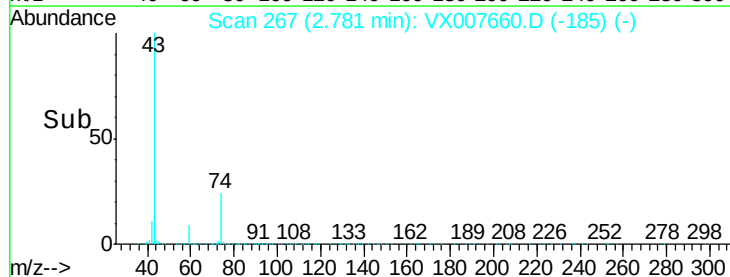
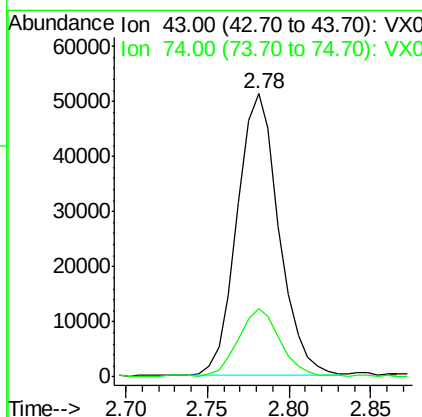
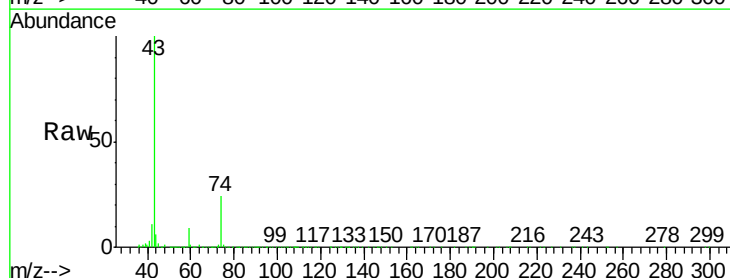
Manual Integrations
APPROVED

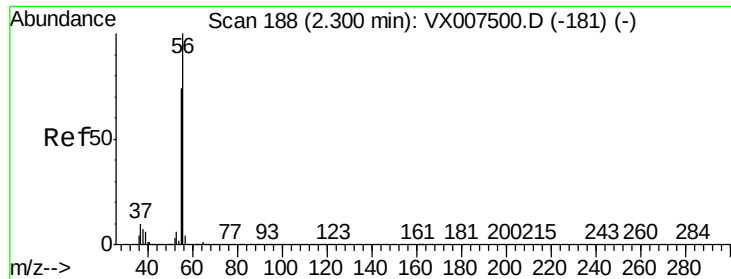
MMDadoda
2/25/2019 9:47:37 AM



#12
Methyl Acetate
Concen: 17.700 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.4	29.0





#13

Acrolein

Concen: 70.045 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 62687

Ion Ratio Lower Upper

56 100

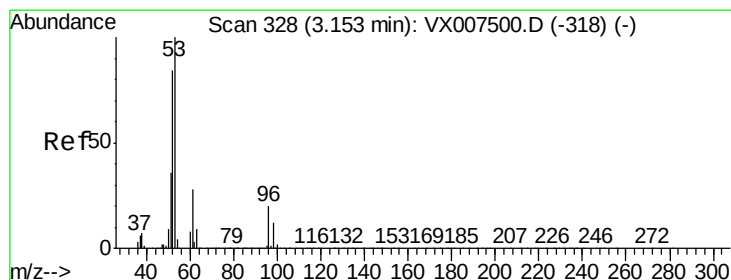
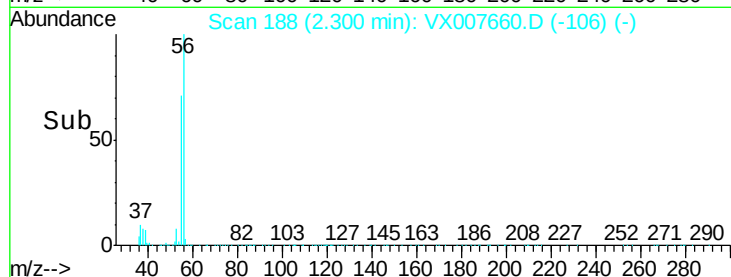
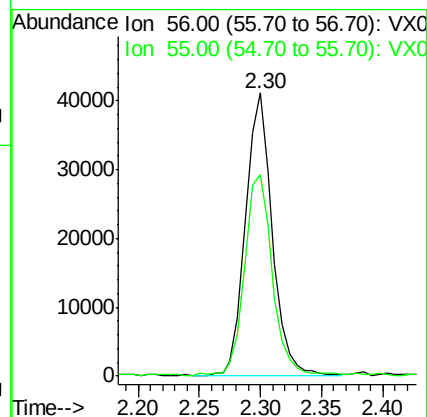
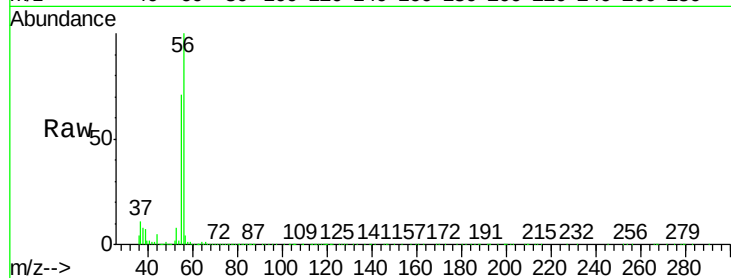
55 72.0 58.6 87.8

Manual Integrations

APPROVED

MMDadoda

2/25/2019 9:47:37 AM



#14

Acrylonitrile

Concen: 92.011 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

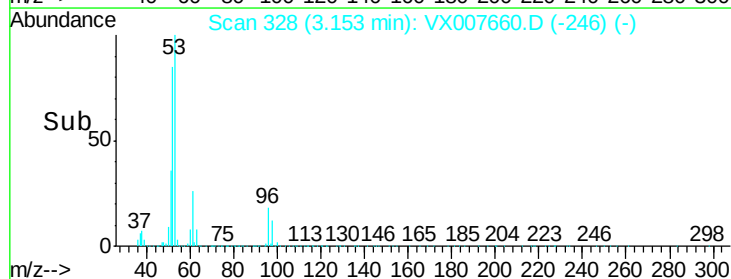
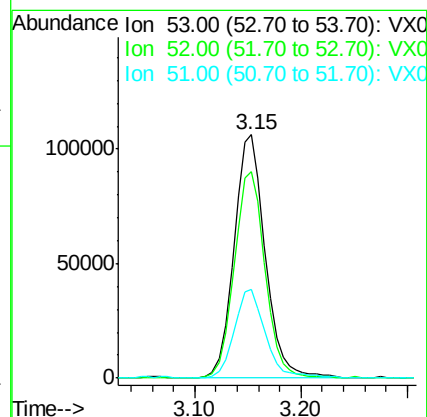
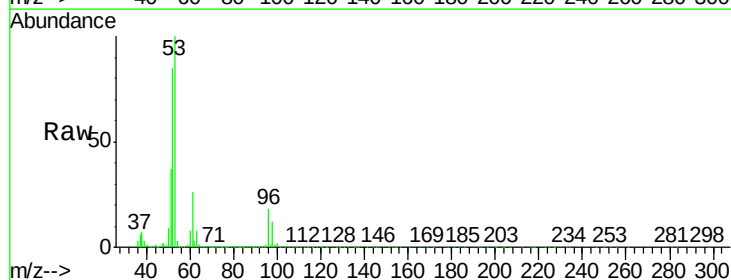
Tgt Ion: 53 Resp: 217509

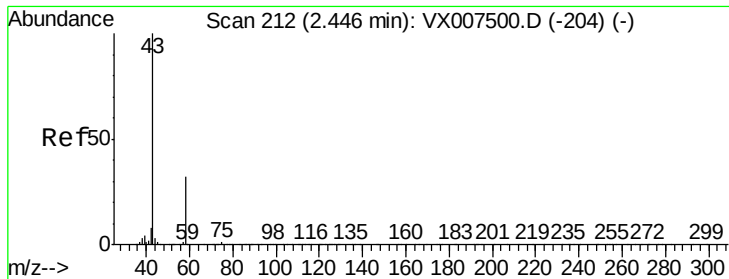
Ion Ratio Lower Upper

53 100

52 83.6 41.3 124.1

51 36.7 17.5 52.6





#15

Acetone

Concen: 92.983 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 59653

Ion Ratio Lower Upper

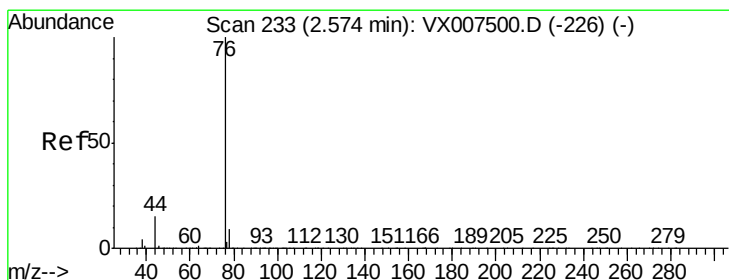
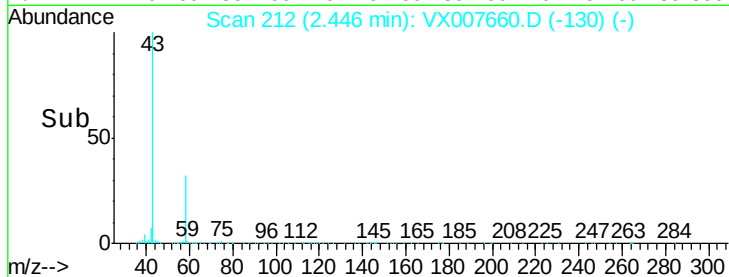
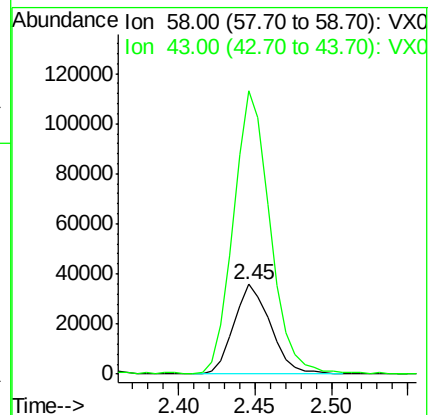
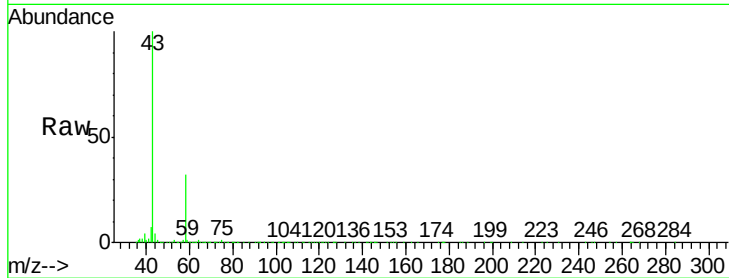
58 100

43 316.5 249.8 374.6

Manual Integrations
APPROVED

MMDadoda

2/25/2019 9:47:37 AM



#16

Carbon Disulfide

Concen: 18.985 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007660.D

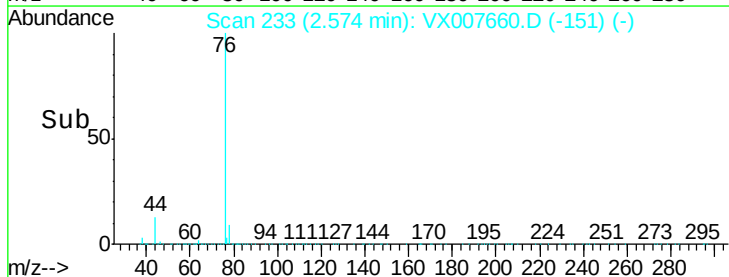
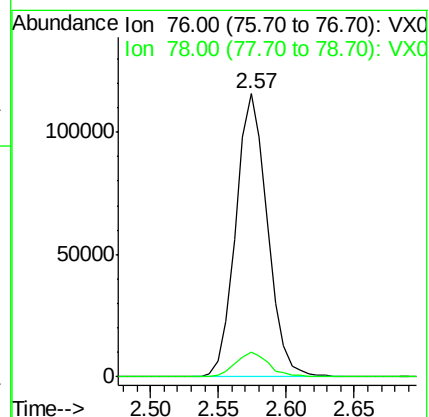
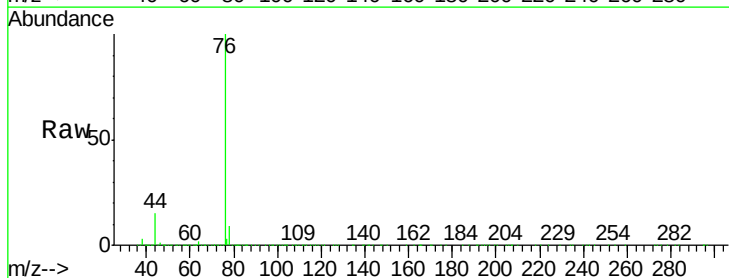
Acq: 22 Feb 2019 15:22

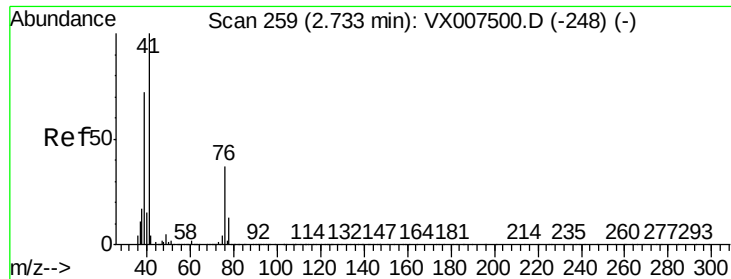
Tgt Ion: 76 Resp: 187297

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3





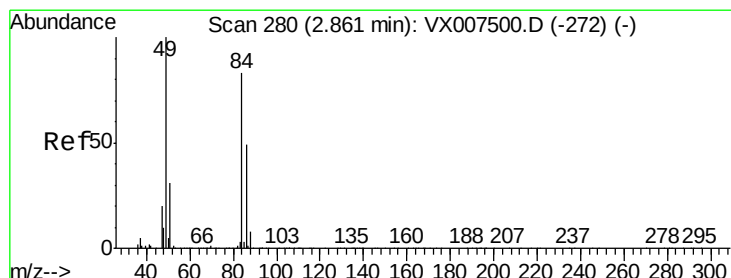
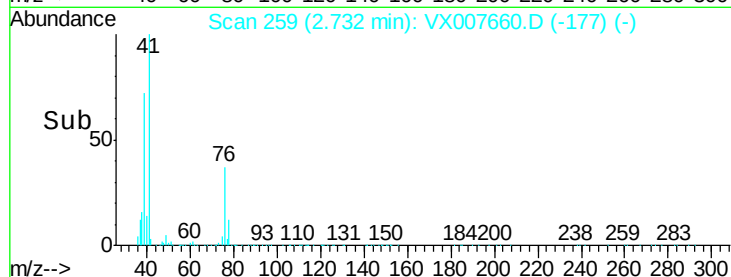
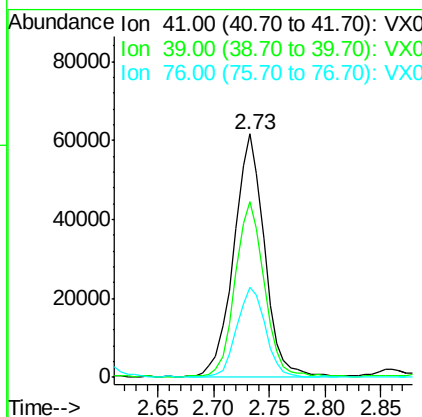
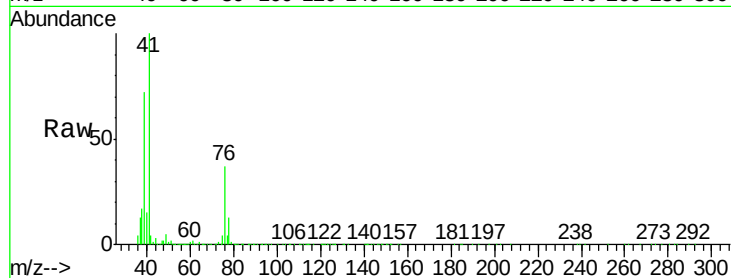
#17
 Allvl chloride
 Concen: 18.363 ug/l
 RT: 2.73 min Scan# 259
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	41	Resp:	117045
Ion	Ratio	Lower	Upper
41	100		
39	71.8	35.8	107.4
76	37.2	18.3	54.9

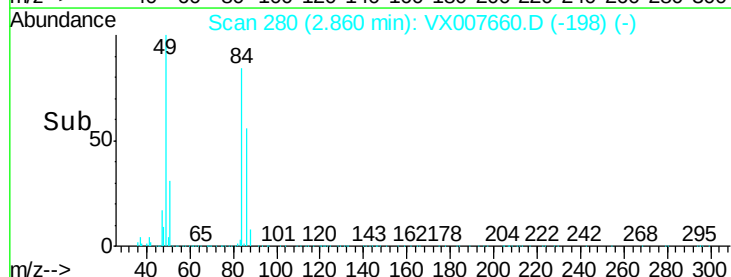
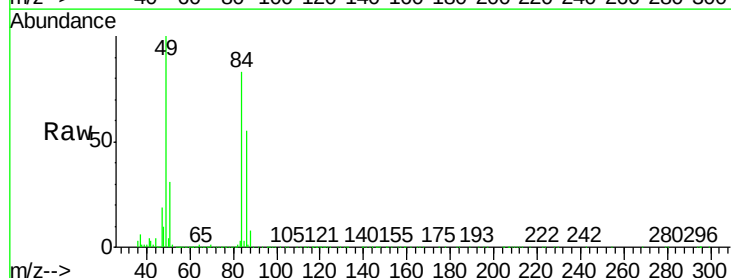
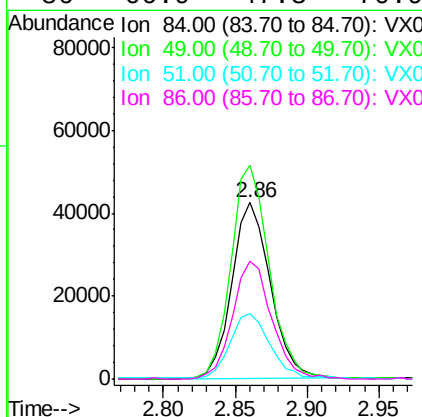
Manual Integrations
 APPROVED

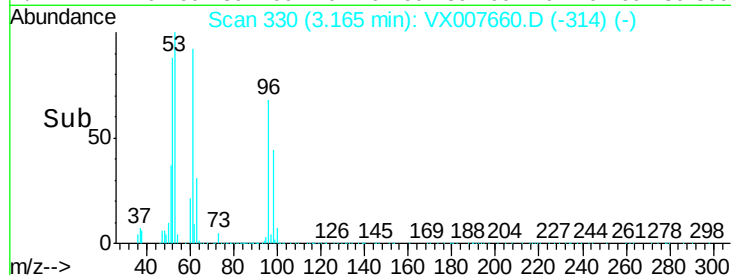
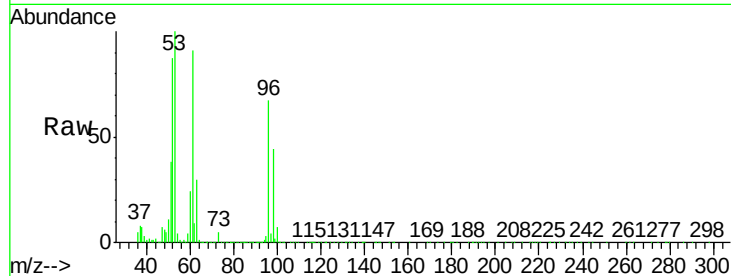
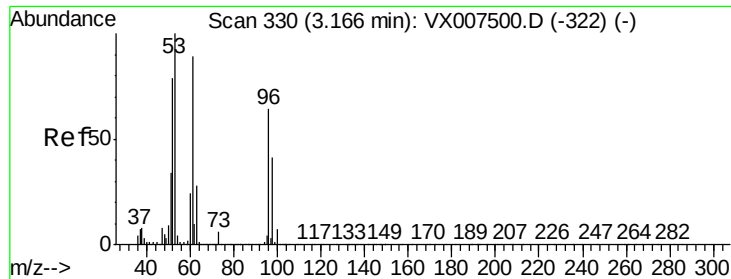
MMDadoda
 2/25/2019 9:47:37 AM



#18
 Methylene Chloride
 Concen: 18.867 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion:	84	Resp:	78933
Ion	Ratio	Lower	Upper
84	100		
49	121.6	96.1	144.1
51	36.7	29.1	43.7
86	66.9	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 19.469 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007660.D

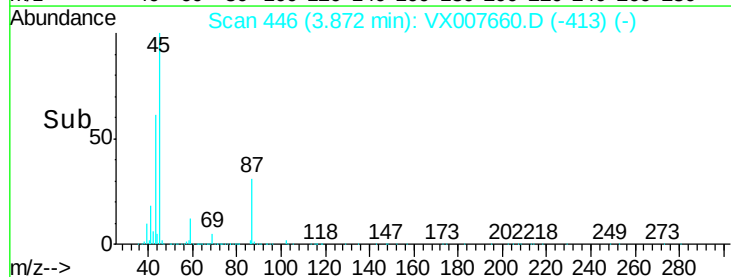
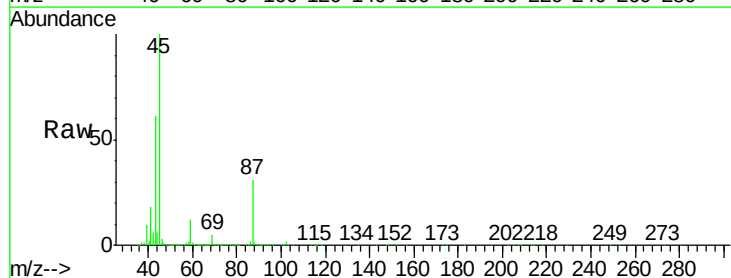
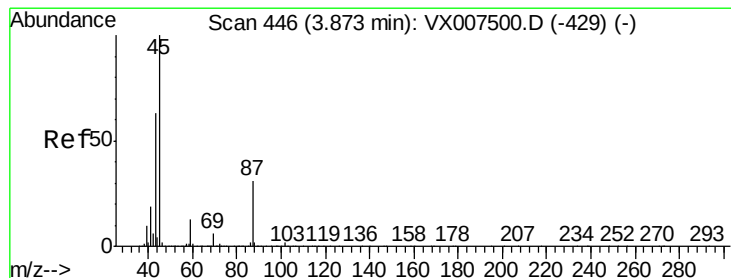
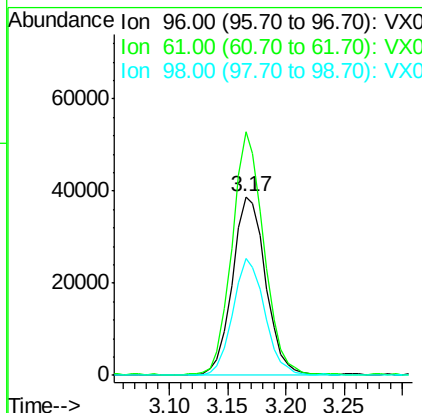
Acq: 22 Feb 2019 15:22

Tot Ion:	96	Resp:	77467
Ion Ratio	Lower	Upper	
96	100		
61	135.4	109.9	164.9
98	64.8	50.4	75.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#20

Diisopropyl ether

Concen: 20.050 ug/l

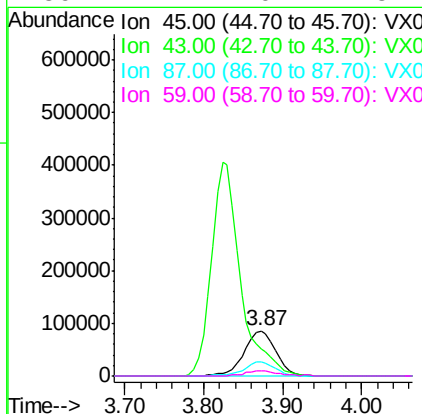
RT: 3.87 min Scan# 446

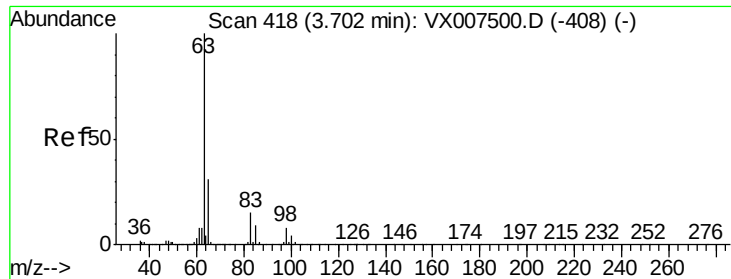
Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion:	45	Resp:	241522
Ion Ratio	Lower	Upper	
45	100		
43	61.0	50.6	76.0
87	31.0	24.5	36.7
59	11.7	10.2	15.2





#21

1,1-Dichloroethane

Concen: 19.966 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

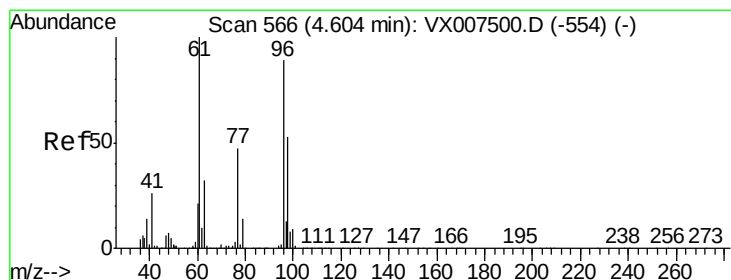
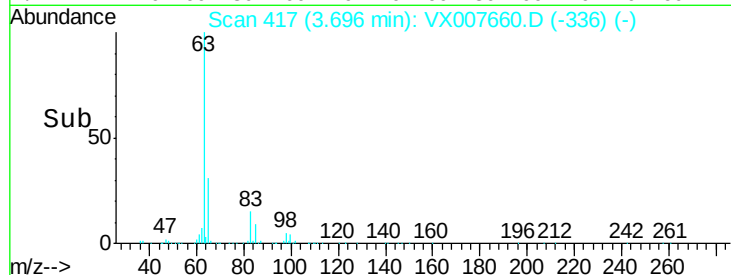
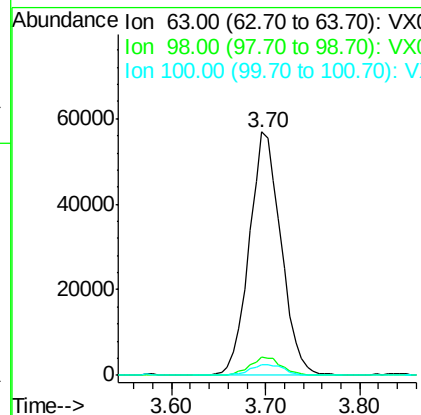
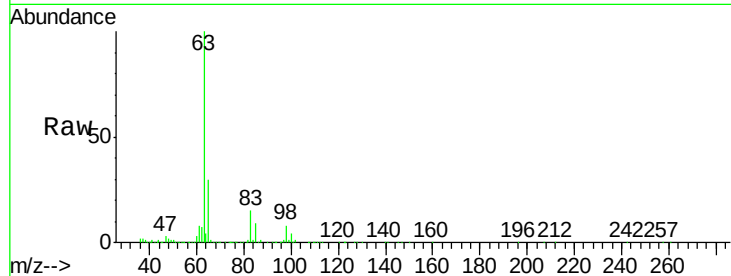
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	134835
Ion Ratio	Lower	Upper	
63	100		
98	7.8	3.8	11.4
100	4.7	2.4	7.1

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#22

cis-1,2-Dichloroethene

Concen: 19.973 ug/l

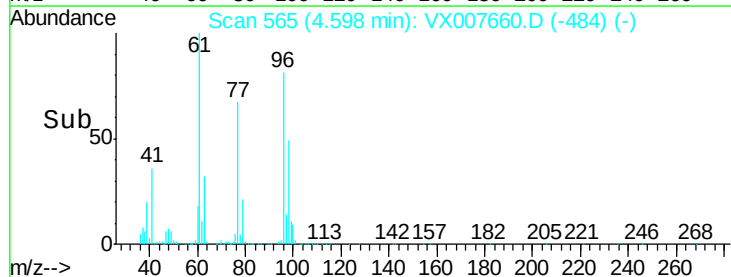
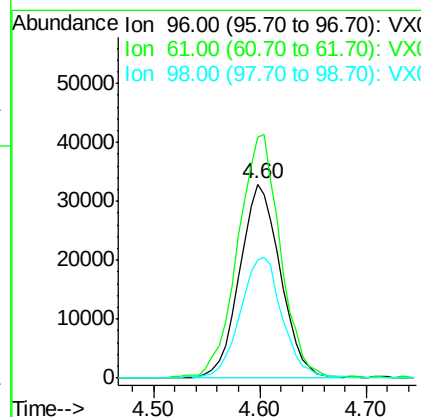
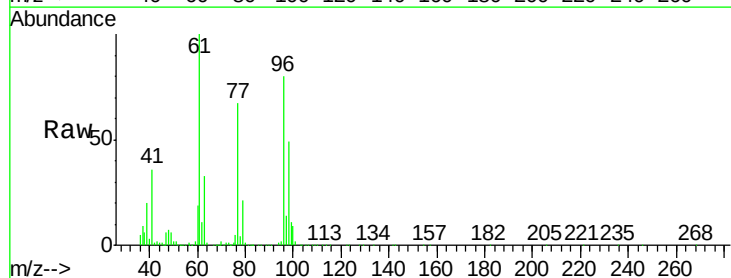
RT: 4.60 min Scan# 565

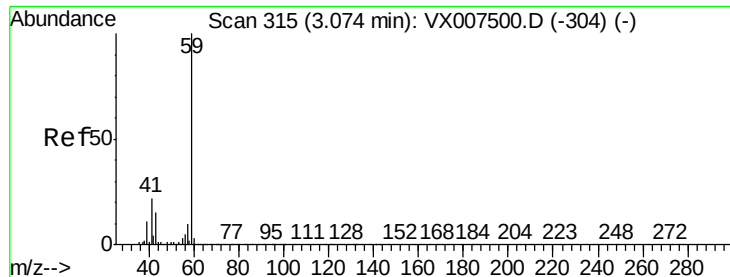
Delta R.T. -0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion:	96	Resp:	88443
Ion Ratio	Lower	Upper	
96	100		
61	127.6	103.5	155.3
98	64.3	52.1	78.1





#23

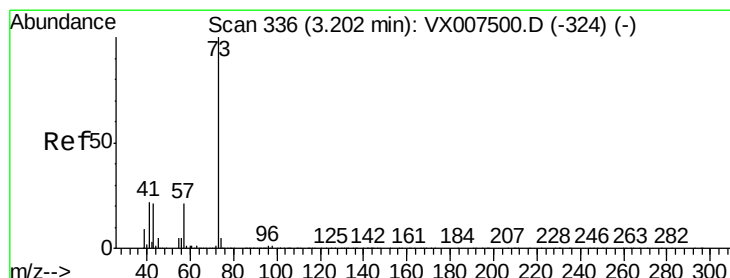
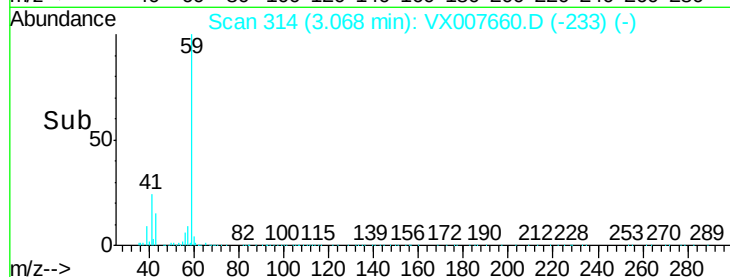
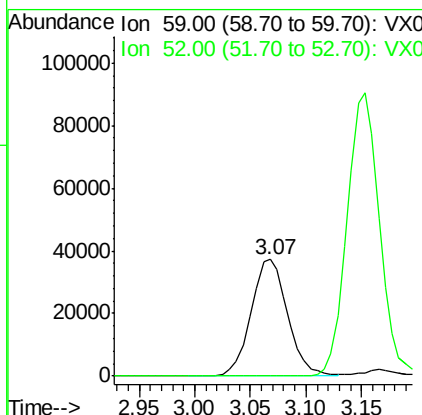
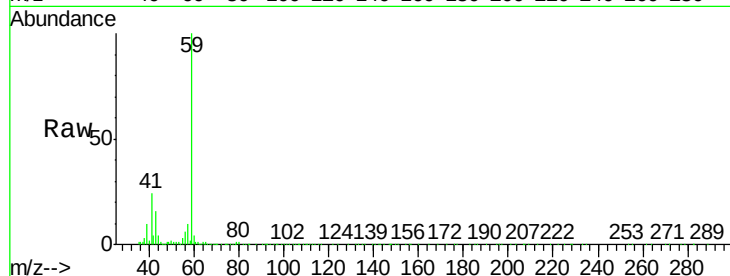
tert-Butyl Alcohol
Concen: 85.757 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

Manual Integrations
APPROVED

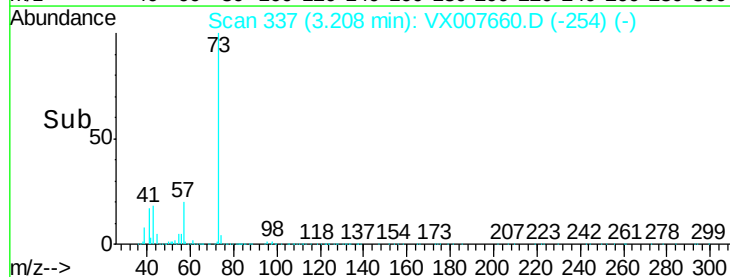
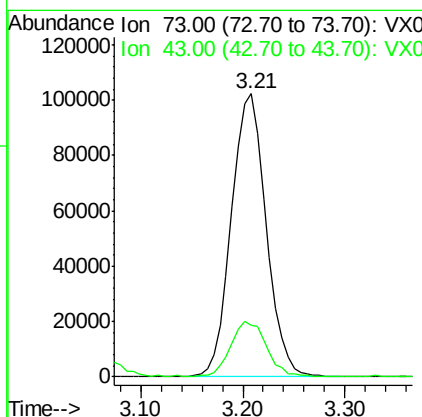
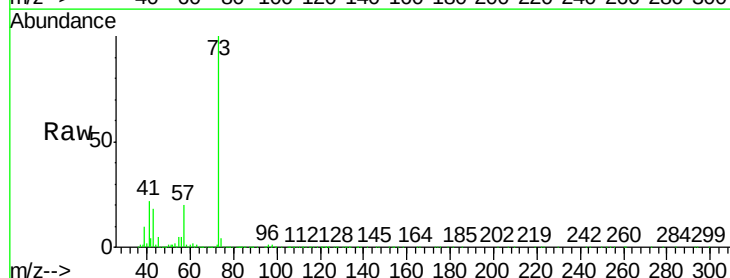
MMDadoda
2/25/2019 9:47:37 AM

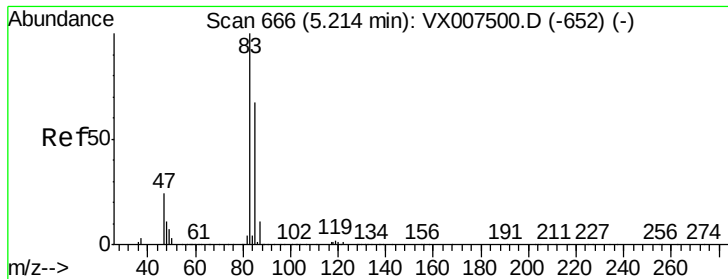


#24

Methyl tert-Butyl Ether
Concen: 18.696 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.0	17.1	25.7





#25

Chloroform

Concen: 20.337 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 145054

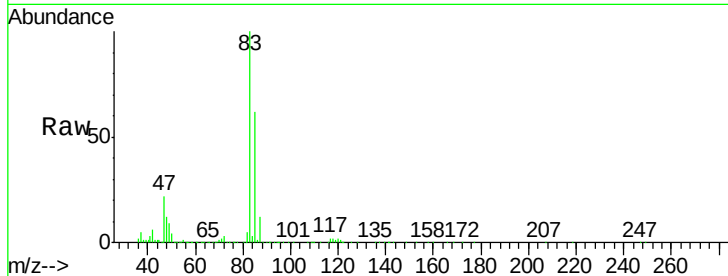
Ion Ratio Lower Upper

83 100

85 61.4 53.8 80.6

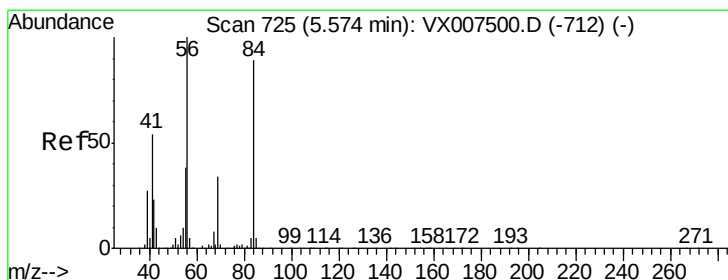
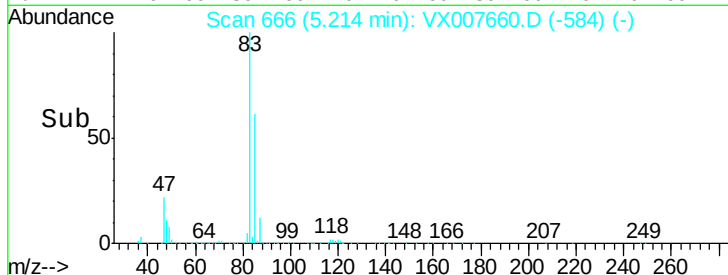
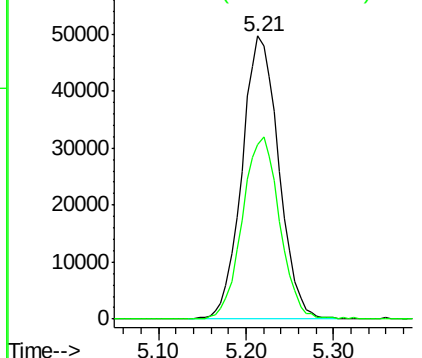
Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 19.795 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

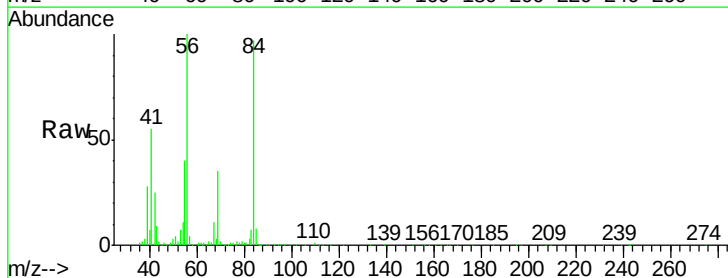
Tgt Ion: 56 Resp: 112099

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

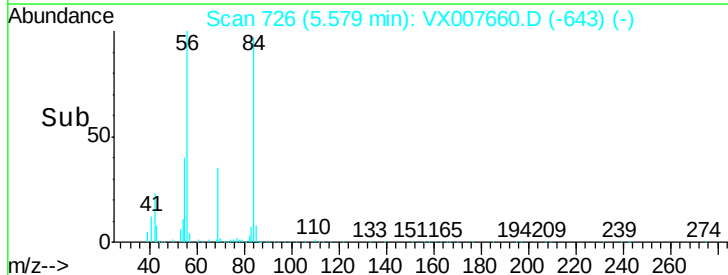
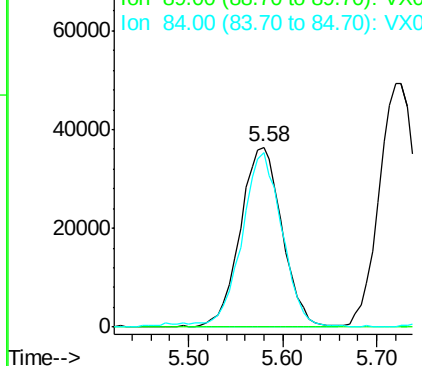
84 94.1 73.9 110.9

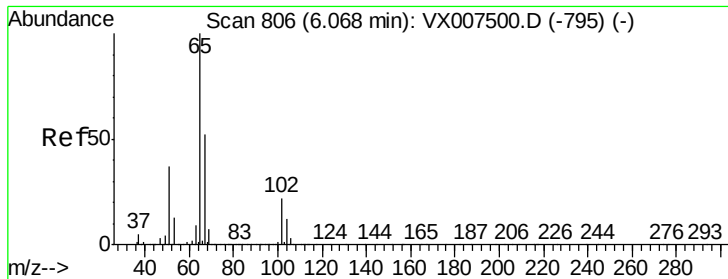


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





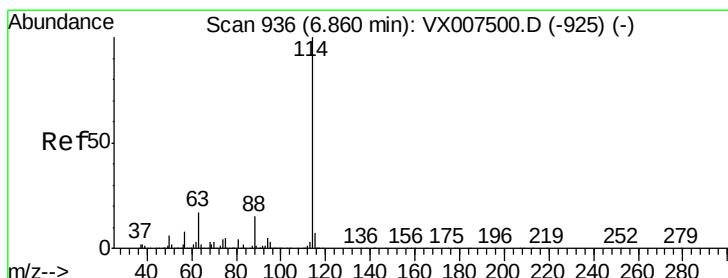
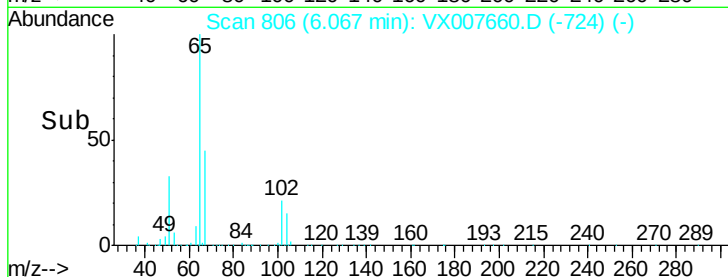
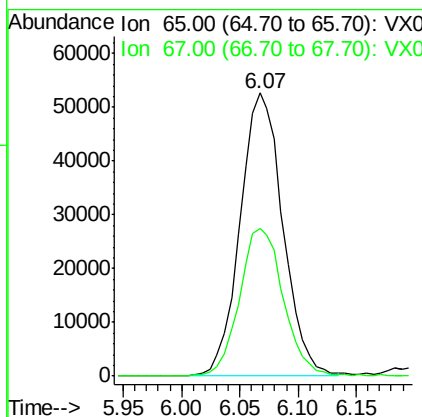
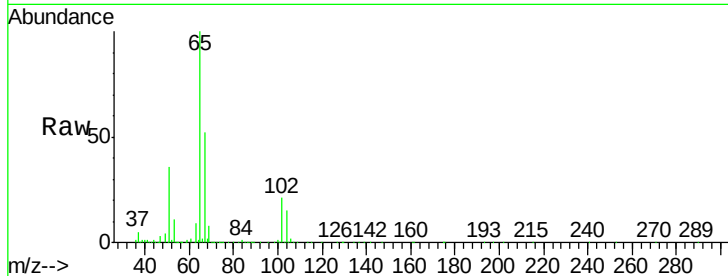
#27
 1,2-Dichloroethane-d4
 Concen: 30.709 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	42.9	64.3

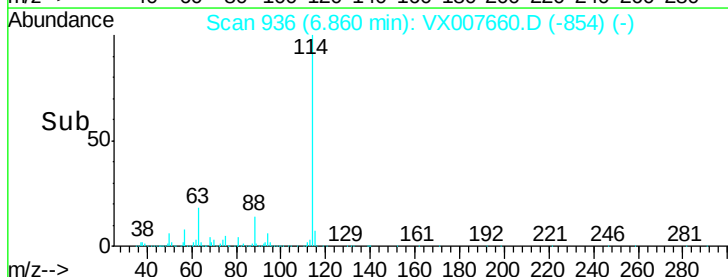
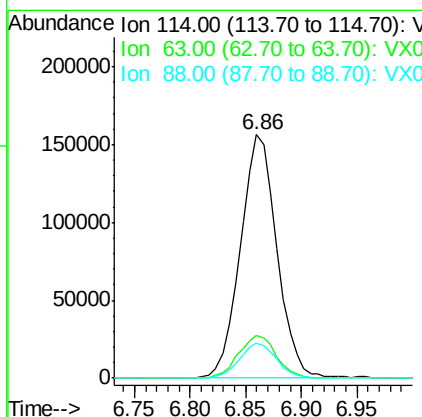
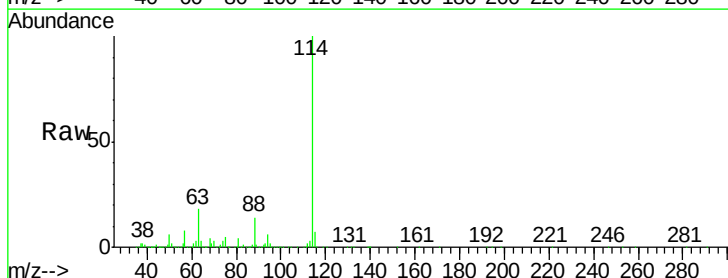
Manual Integrations
 APPROVED

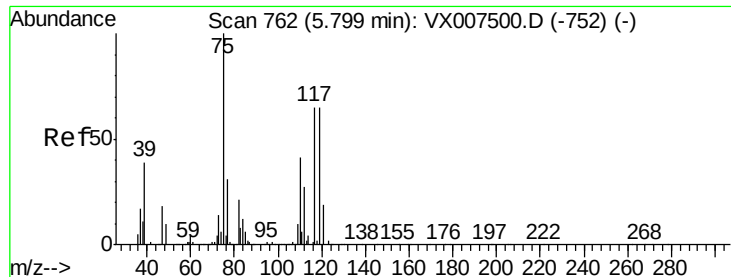
MMDadoda
 2/25/2019 9:47:37 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	14.2	21.4
88	14.5	11.9	17.9





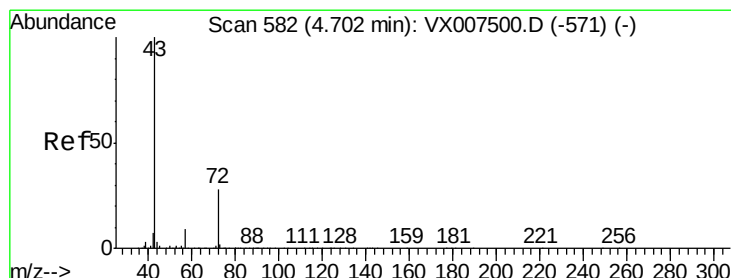
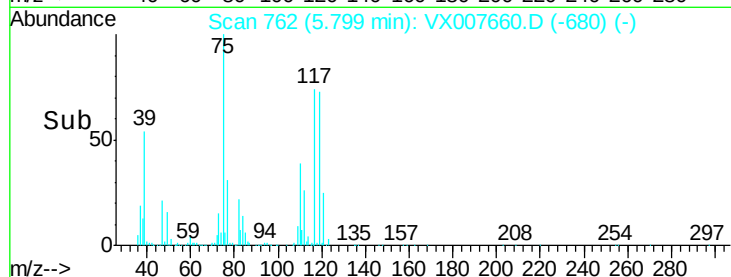
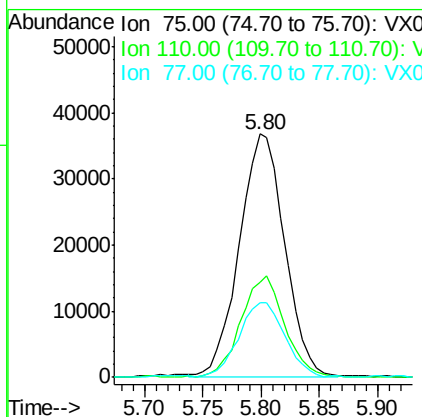
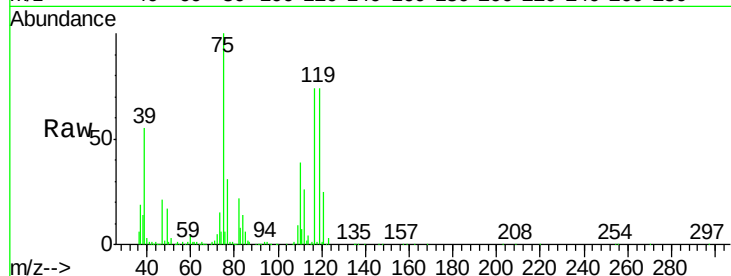
#29
 1,1-Dichloropropene
 Concen: 20.100 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	40.3	0.0	80.8
77	30.7	0.0	62.4

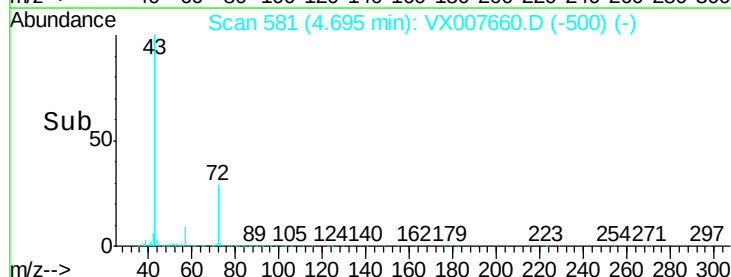
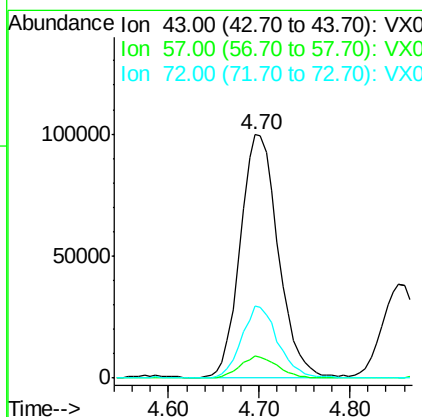
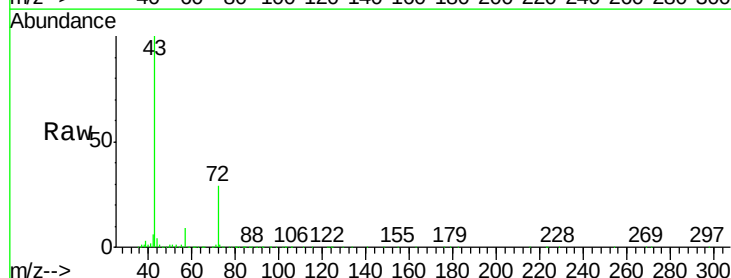
Manual Integrations
 APPROVED

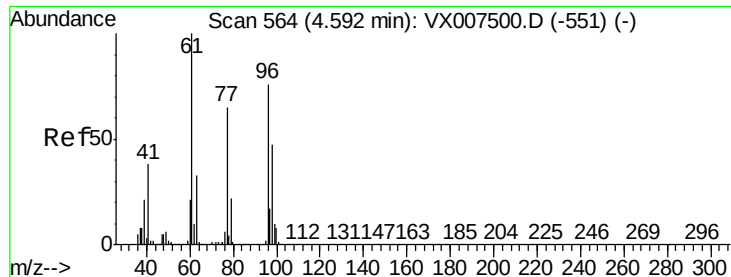
MMDadoda
 2/25/2019 9:47:37 AM



#30
 2-Butanone
 Concen: 98.216 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.1	7.0	10.6
72	27.9	21.5	32.3





#31

2,2-Dichloropropane

Concen: 23.014 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 92755

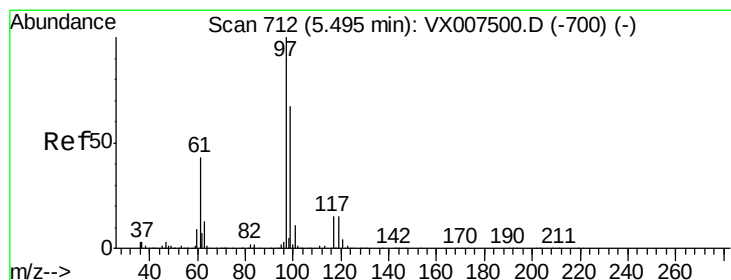
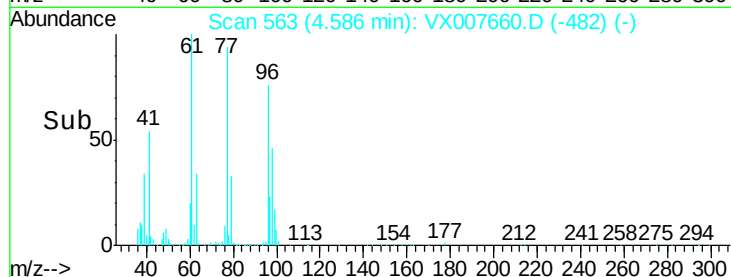
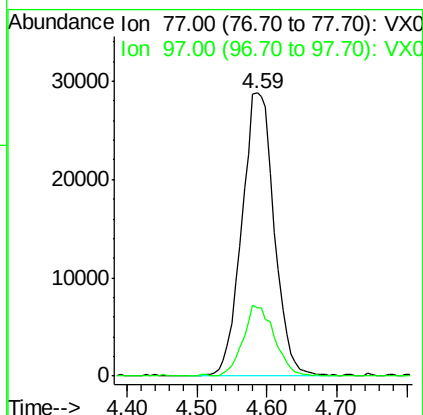
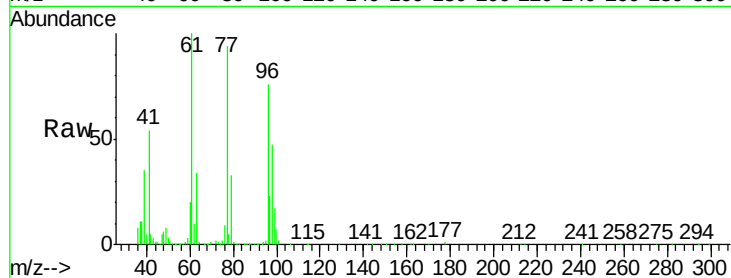
Ion Ratio Lower Upper

77 100

97 24.2 20.6 31.0

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#32

1,1,1-Trichloroethane

Concen: 20.486 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

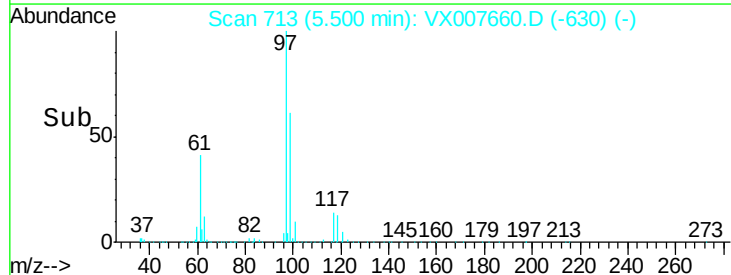
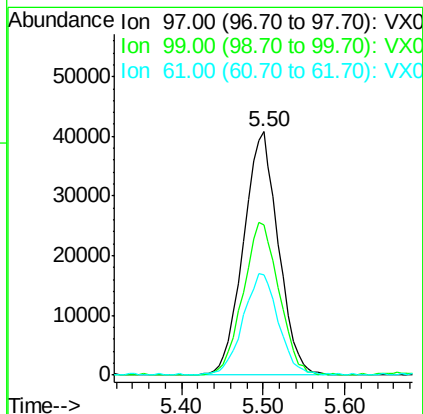
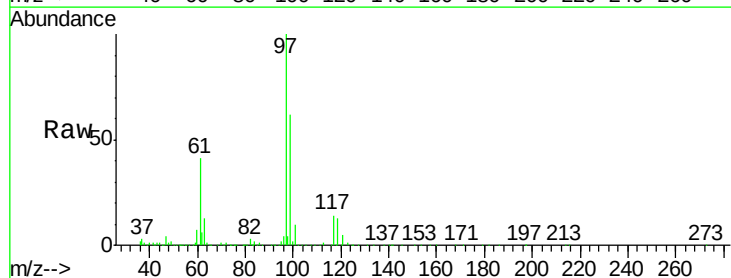
Tgt Ion: 97 Resp: 121468

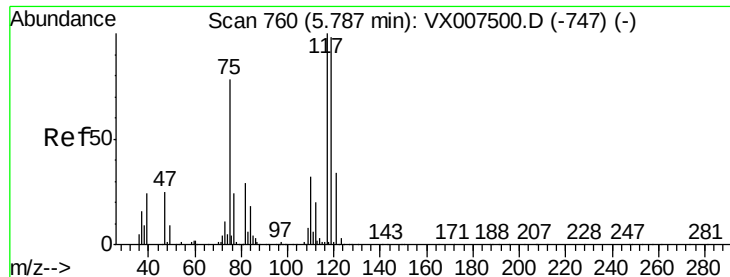
Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

61 42.3 32.8 49.2





#33

Carbon Tetrachloride

Concen: 19.916 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

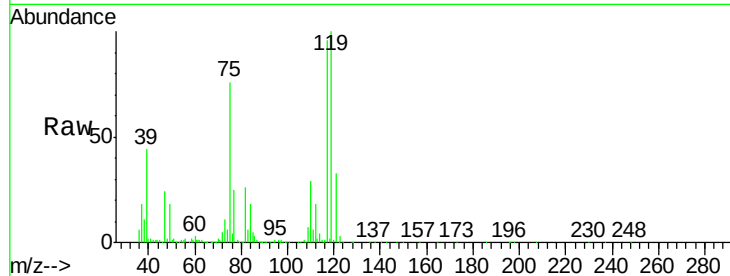
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	104.2	78.1	117.1
121	34.3	27.0	40.6

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM

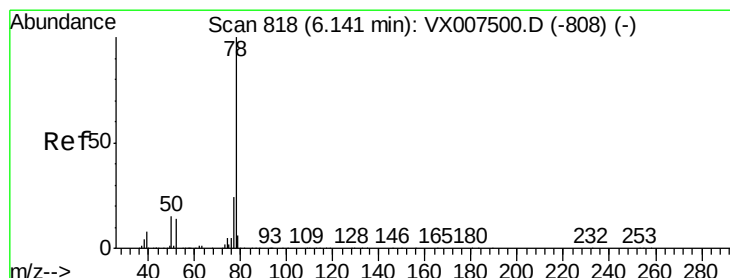
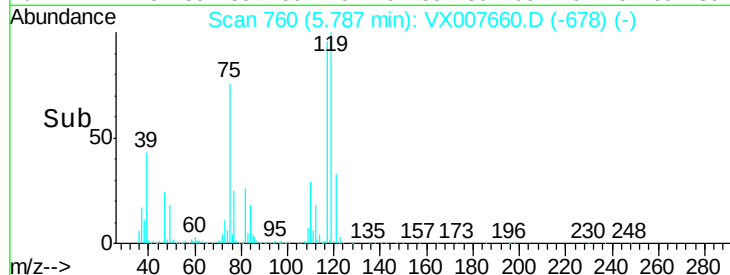
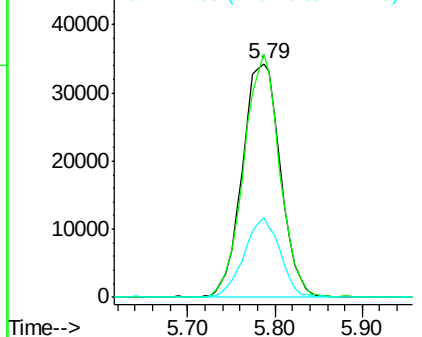


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.985 ug/l

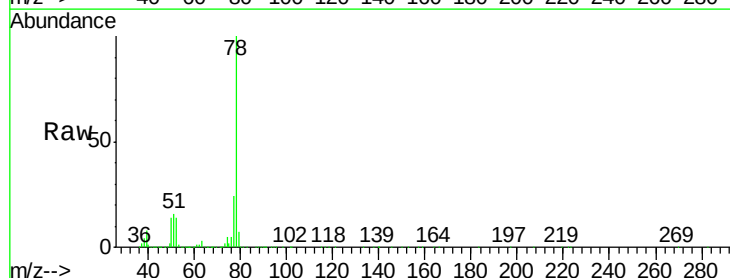
RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7
51	15.1	10.8	16.2

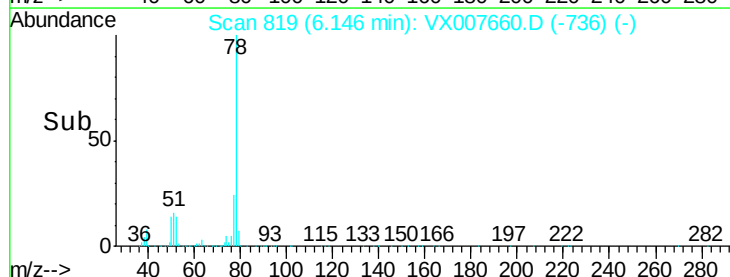
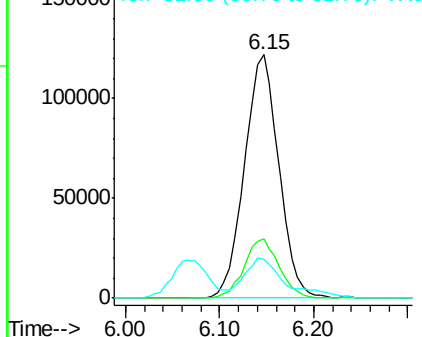


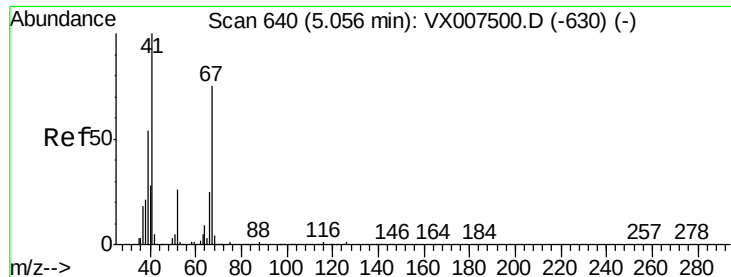
Abundance

Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





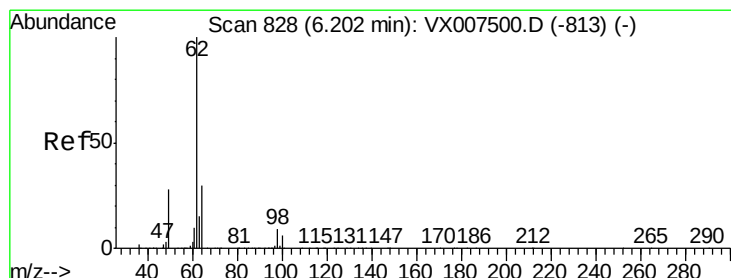
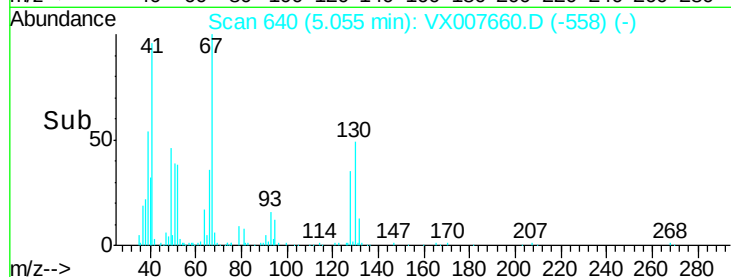
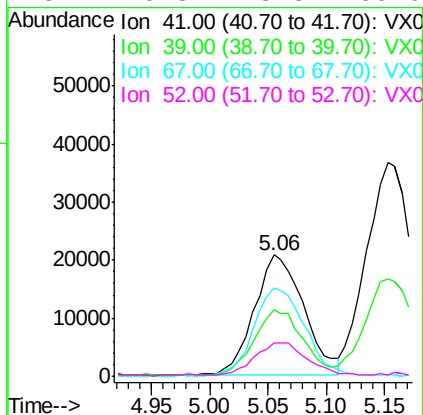
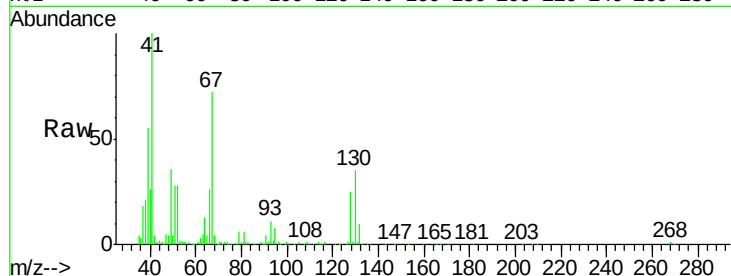
#35
Methacrylonitrile
Concen: 20.217 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	27.4	82.0	
67	73.0	37.9	113.6	
52	26.3	13.3	39.9	

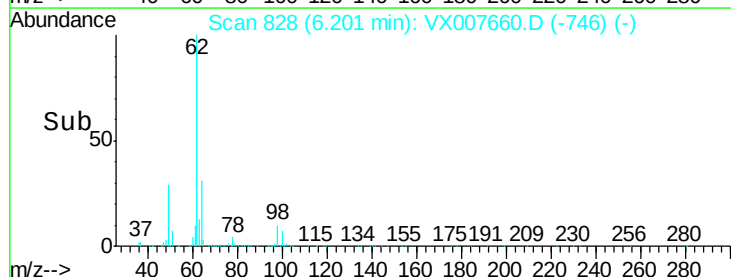
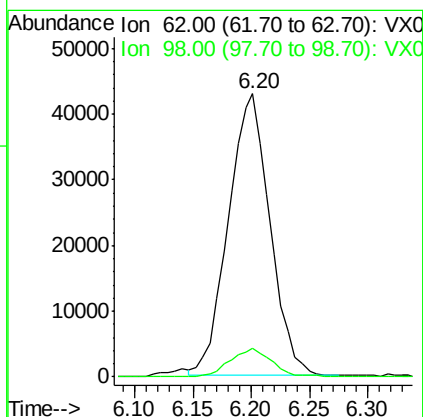
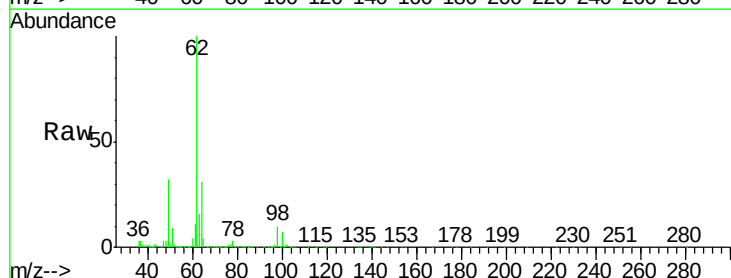
Manual Integrations
APPROVED

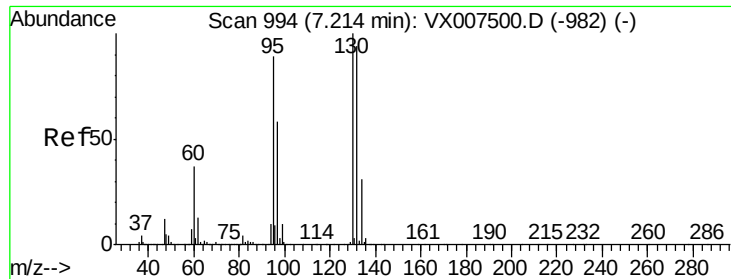
MMDadoda
2/25/2019 9:47:37 AM



#36
1,2-Dichloroethane
Concen: 20.035 ug/l
RT: 6.20 min Scan# 828
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	7.8	11.8	





#37

Trichloroethene

Concen: 20.032 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 90066

Ion Ratio Lower Upper

130 100

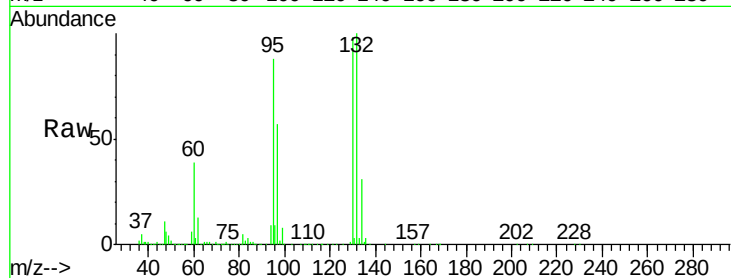
95 89.4 71.3 106.9

Manual Integrations

APPROVED

MMDadoda

2/25/2019 9:47:37 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

40000

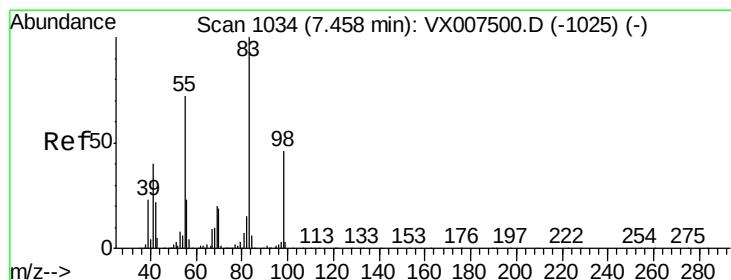
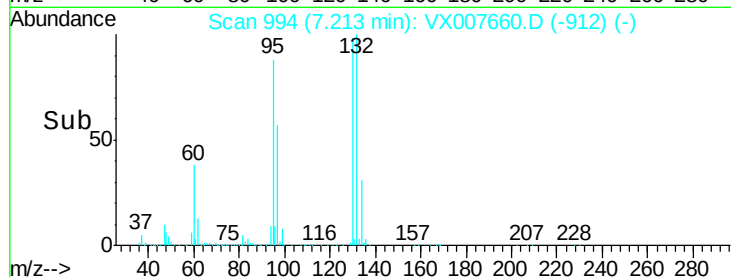
30000

20000

10000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 20.383 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

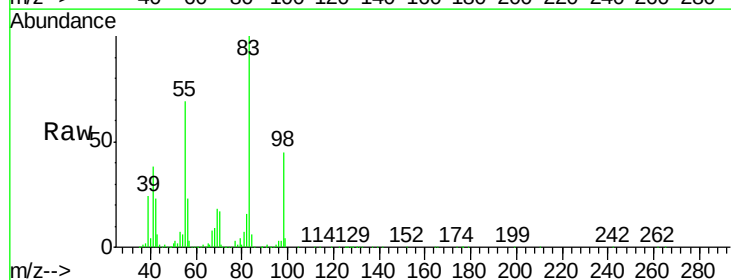
Tgt Ion: 83 Resp: 117049

Ion Ratio Lower Upper

83 100

55 73.2 36.0 108.0

98 50.1 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.46

80000

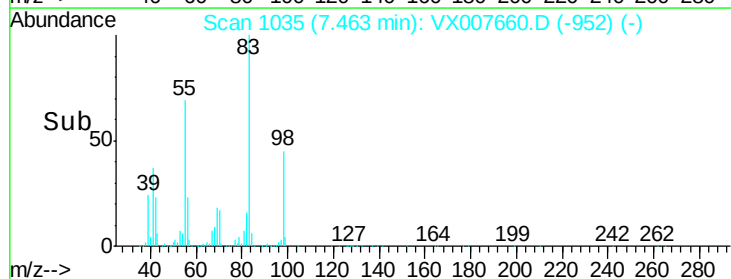
60000

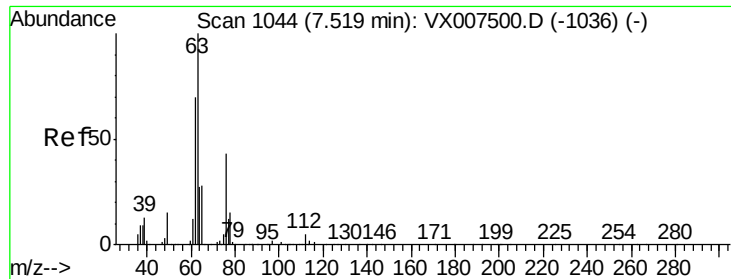
40000

20000

0

Time--> 7.35 7.40 7.45 7.50 7.55





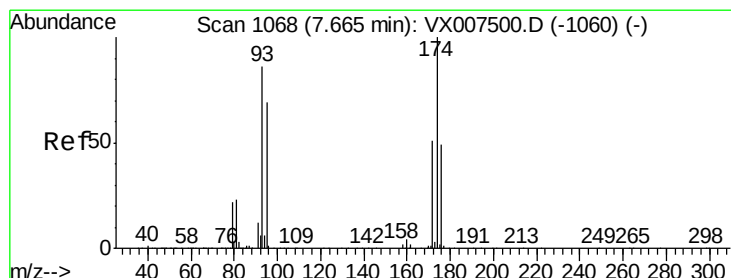
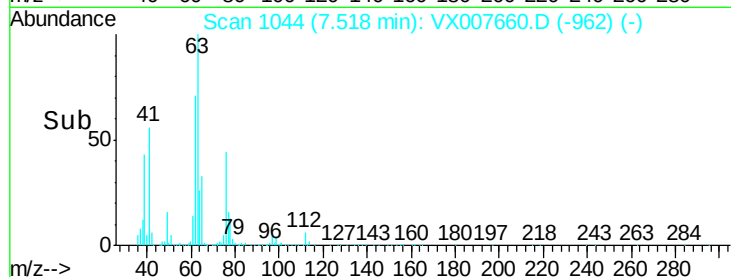
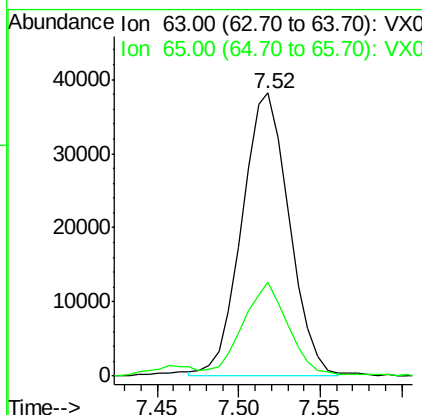
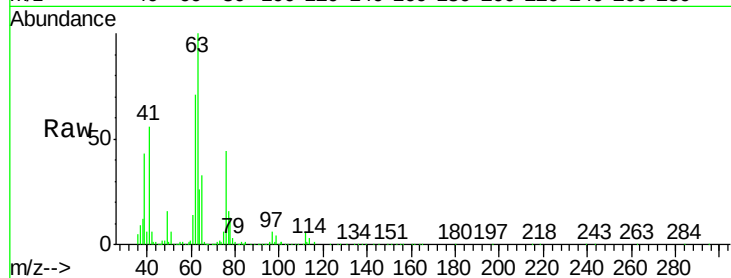
#39
 1,2-Dichloropropane
 Concen: 19.799 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.6	37.0

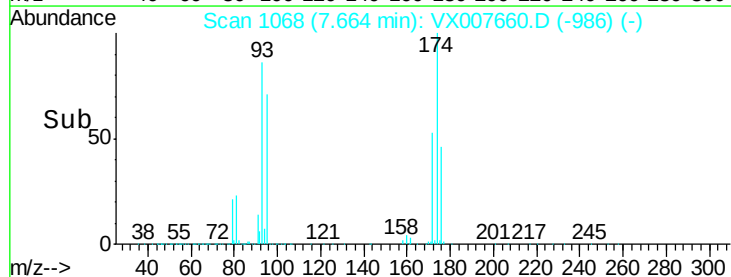
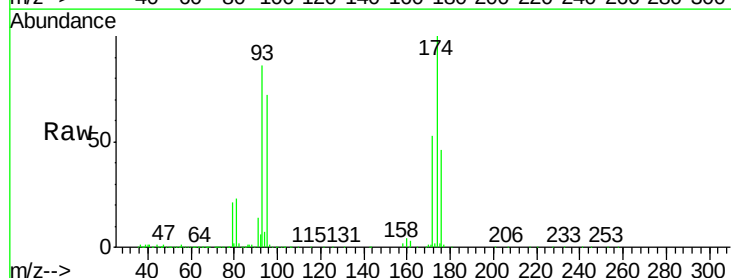
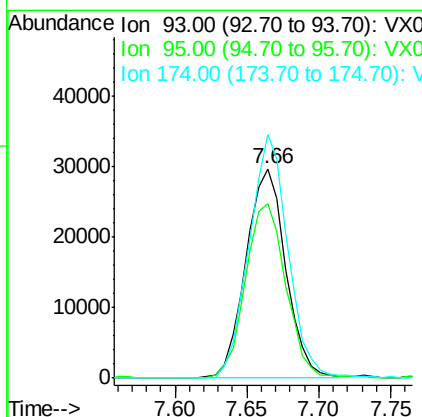
Manual Integrations
 APPROVED

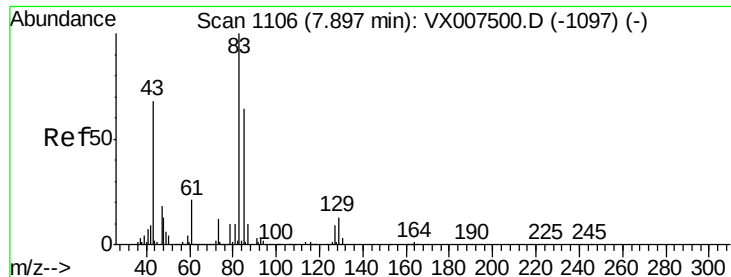
MMDadoda
 2/25/2019 9:47:37 AM



#40
 Dibromomethane
 Concen: 20.252 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.0	0.0	158.8
174	113.2	0.0	224.2





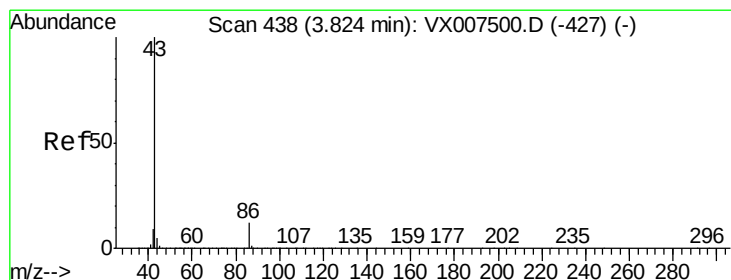
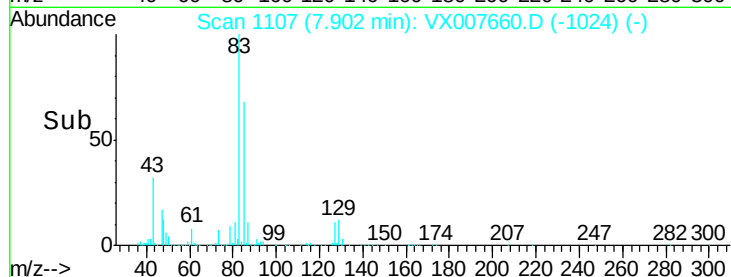
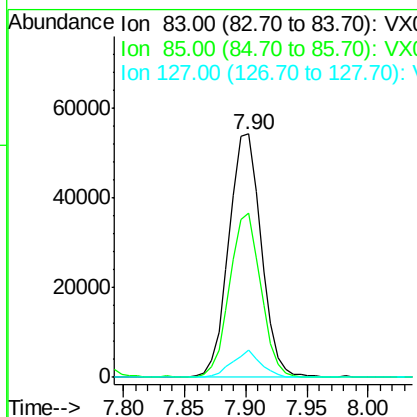
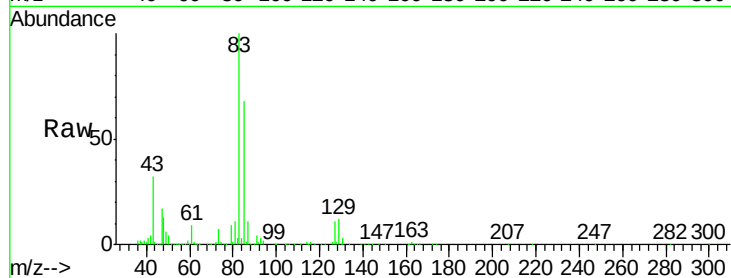
#41
Bromodichloromethane
Concen: 20.043 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.1	76.7
127	11.1	7.2	10.8

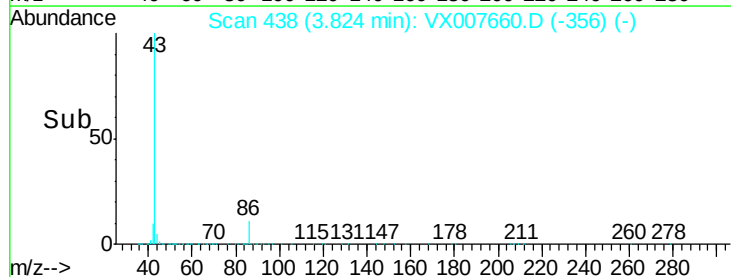
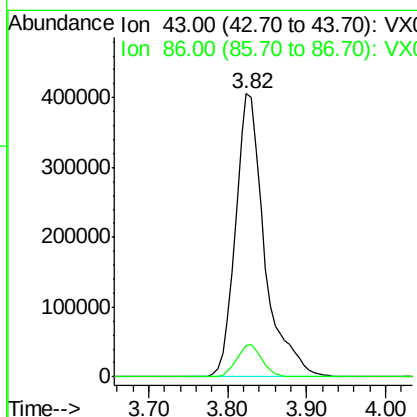
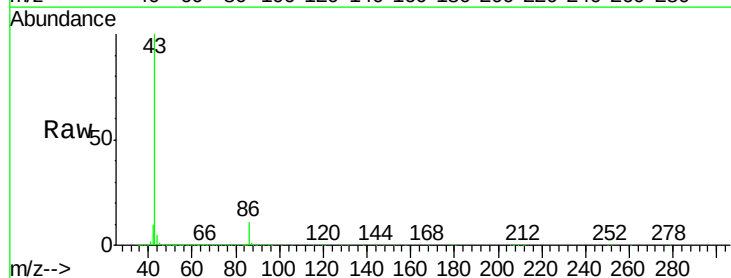
Manual Integrations
APPROVED

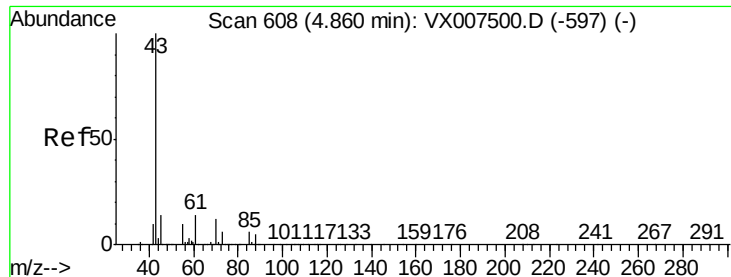
MMDadoda
2/25/2019 9:47:37 AM



#42
Vinyl Acetate
Concen: 101.062 ug/l
RT: 3.82 min Scan# 438
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.2	12.2





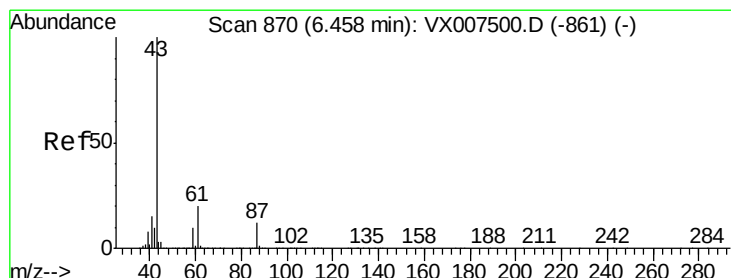
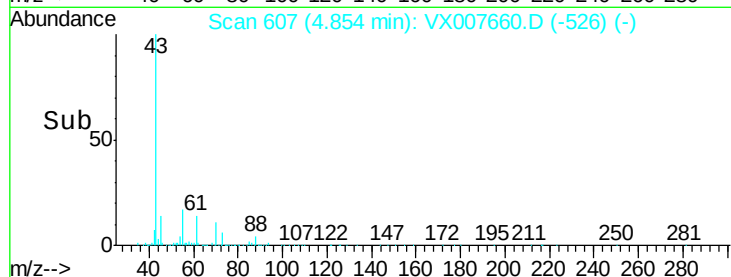
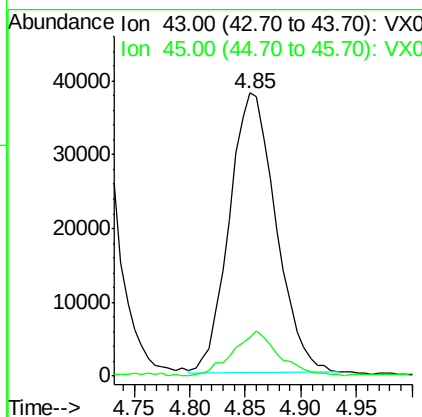
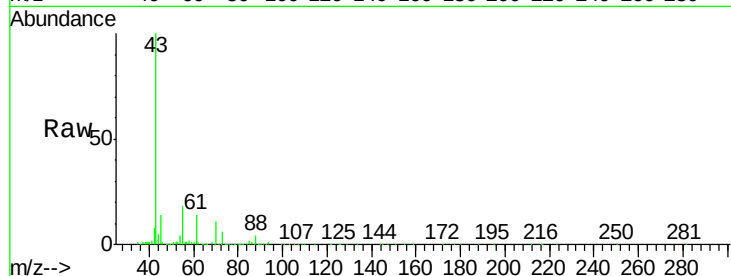
#43
Ethyl Acetate
Concen: 19.687 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Ratio	Lower	Upper
110677	100			
45	15.5	6.9	10.3#	

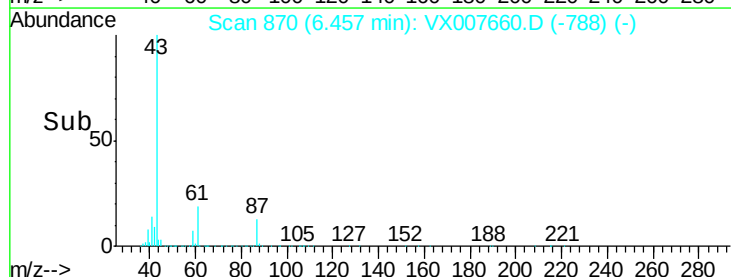
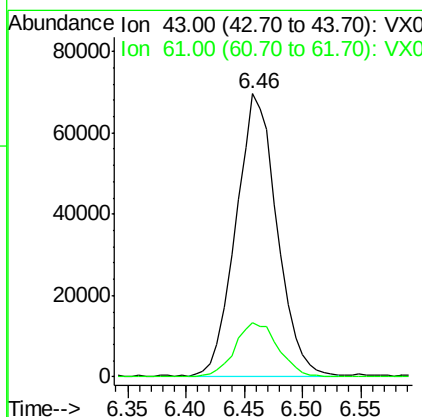
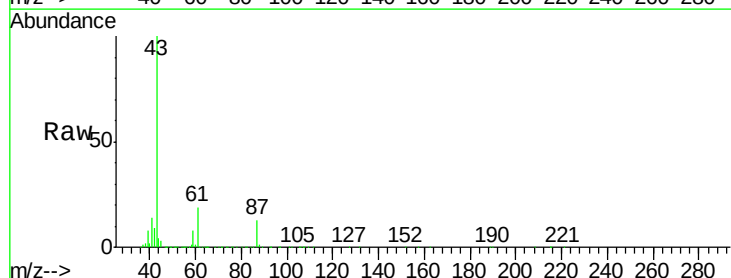
Manual Integrations
APPROVED

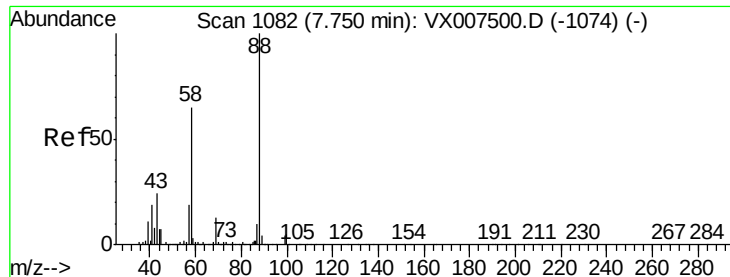
MMDadoda
2/25/2019 9:47:37 AM



#44
Isopropyl Acetate
Concen: 19.554 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	43	Ratio	Lower	Upper
169730	100			
61	20.2	16.1	24.1	





#45

1,4-Dioxane

Concen: 351.706 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

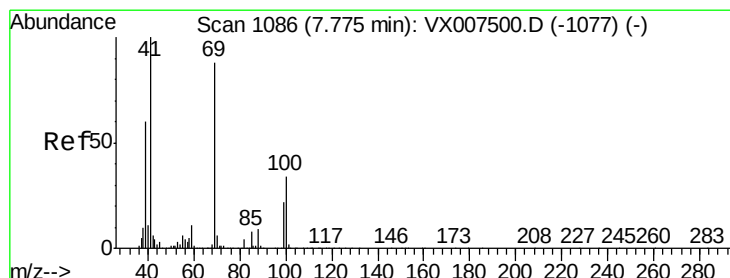
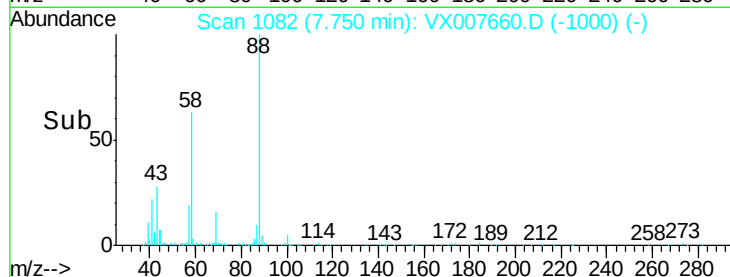
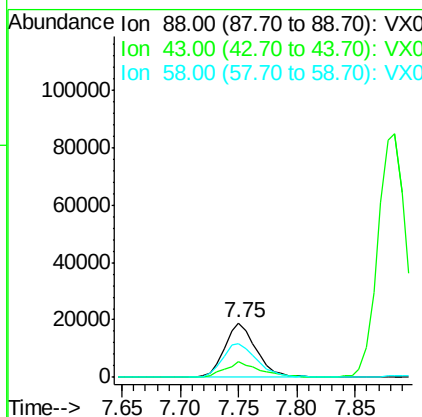
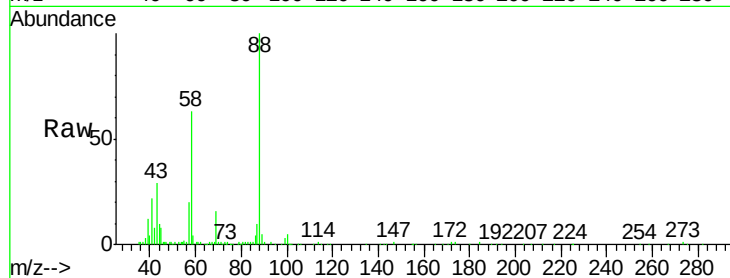
ClientSampleId :

VSTDCCC020EC

Tot Ion:	88	Resp:	36029
Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.6	35.4
58	64.9	51.6	77.4

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#46

Methyl methacrylate

Concen: 19.451 ug/l

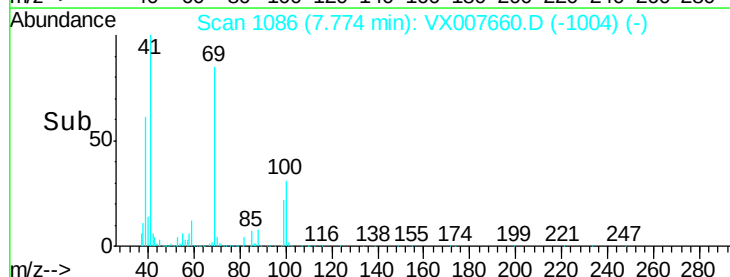
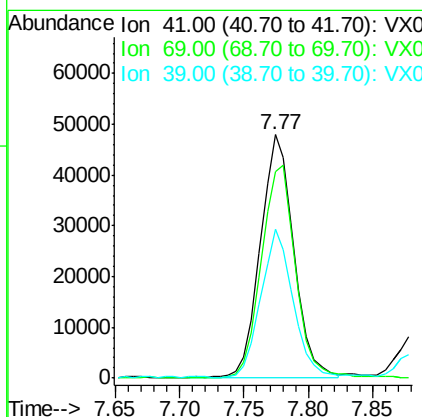
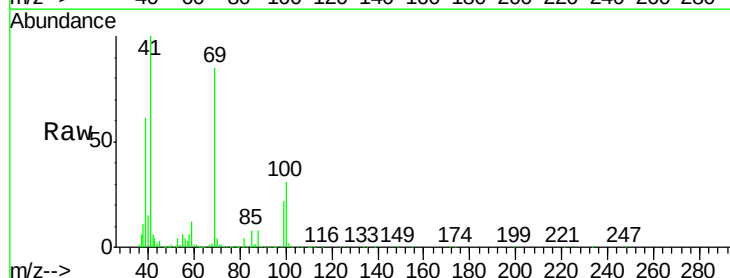
RT: 7.77 min Scan# 1086

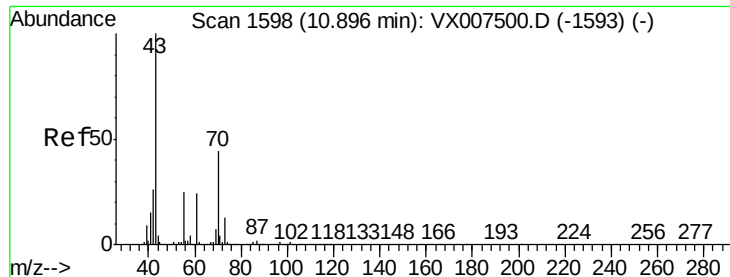
Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion:	41	Resp:	85497
Ion	Ratio	Lower	Upper
41	100		
69	84.8	44.2	132.6
39	60.7	29.9	89.8





#47

n-amvl Acetate

Concen: 20.239 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 154840

Ion Ratio Lower Upper

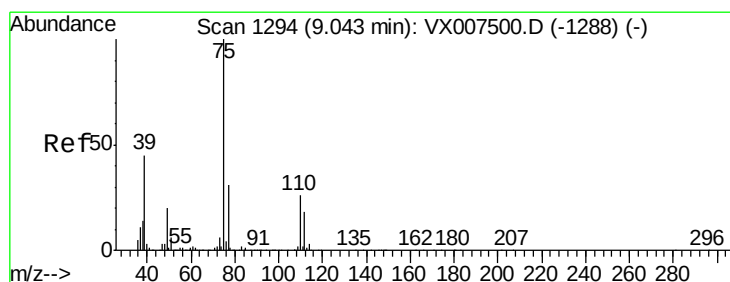
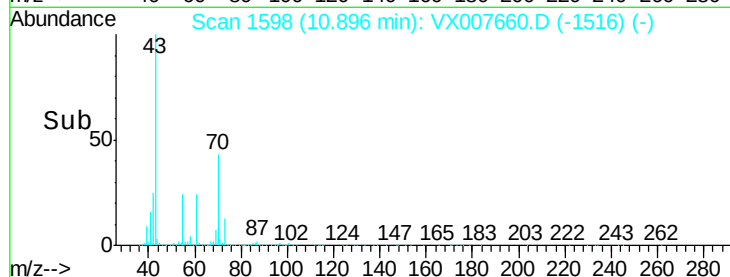
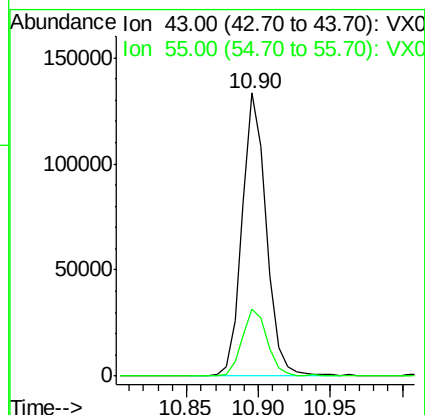
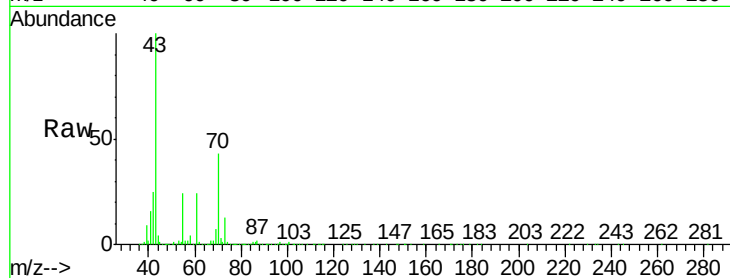
43 100

55 24.5 20.8 31.2

Manual Integrations
APPROVED

MMDadoda

2/25/2019 9:47:37 AM



#48

t-1,3-Dichloropropene

Concen: 19.973 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007660.D

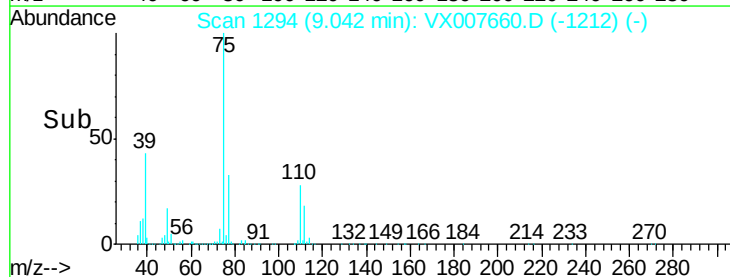
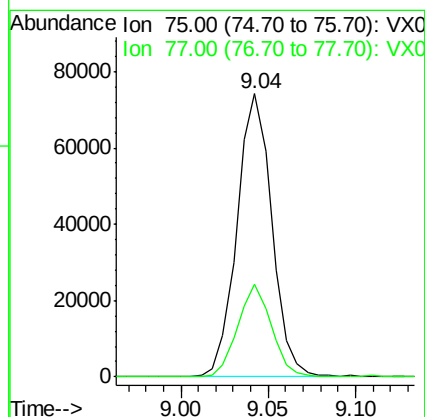
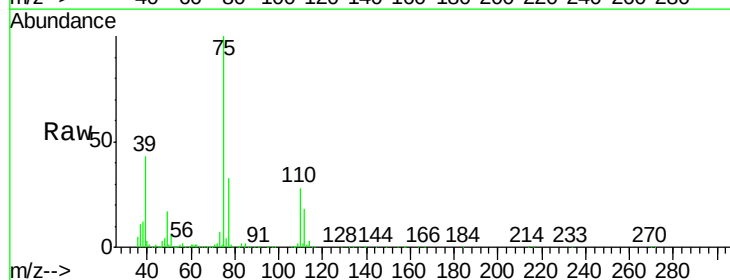
Acq: 22 Feb 2019 15:22

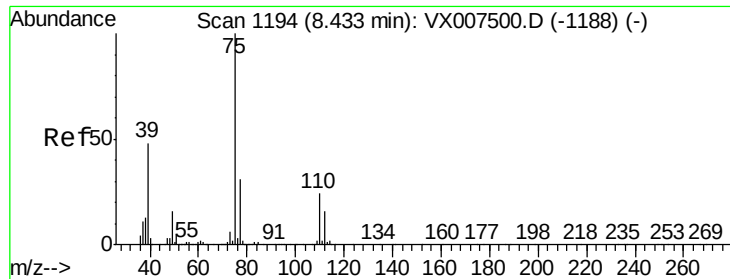
Tgt Ion: 75 Resp: 102791

Ion Ratio Lower Upper

75 100

77 32.3 24.5 36.7





#49

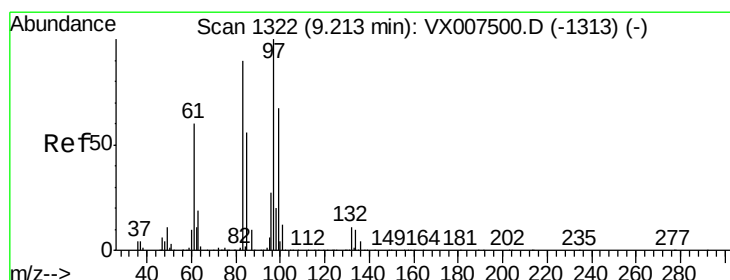
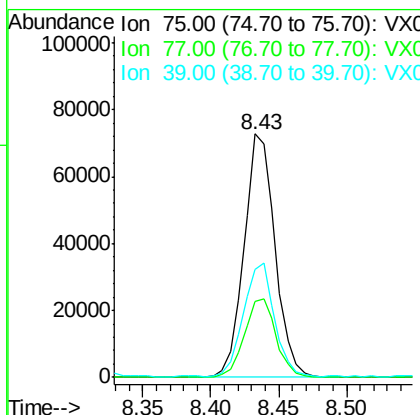
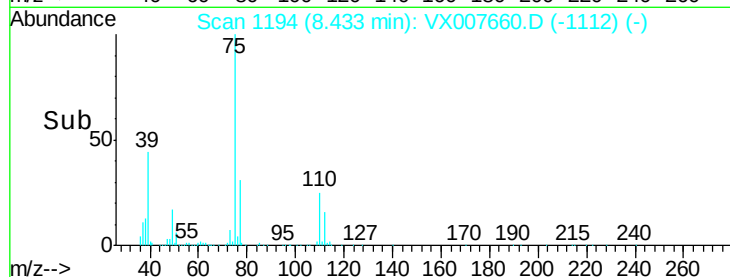
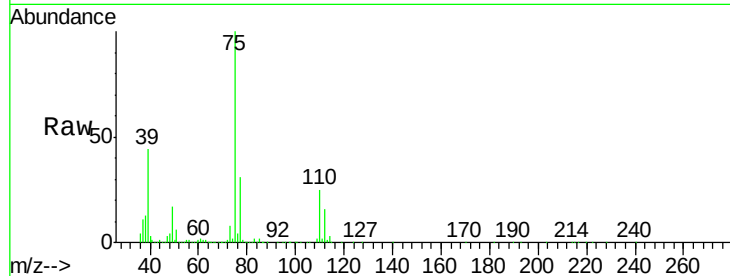
cis-1,3-Dichloropropene
Concen: 20.221 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	75	Resp:	115891
Ion Ratio	Lower	Upper	
75	100		
77	31.4	25.0	37.4
39	44.0	38.5	57.7

Manual Integrations
APPROVED

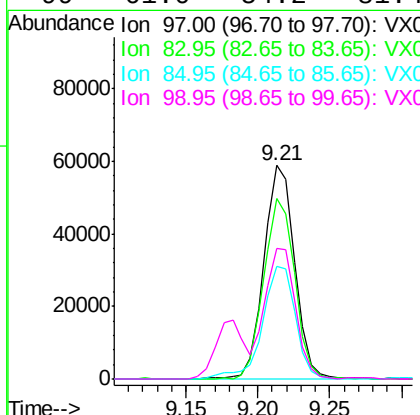
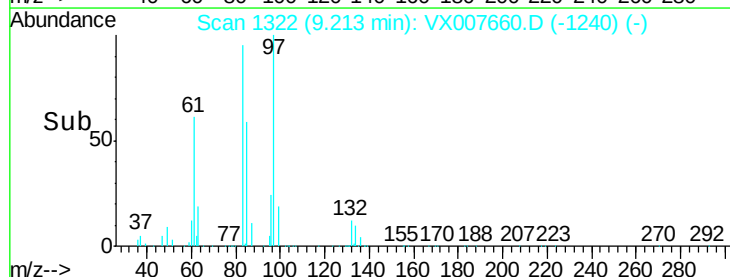
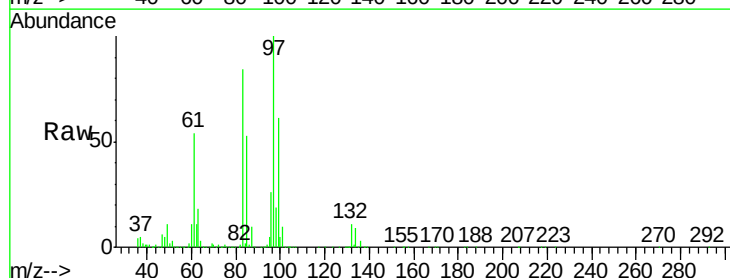
MMDadoda
2/25/2019 9:47:37 AM

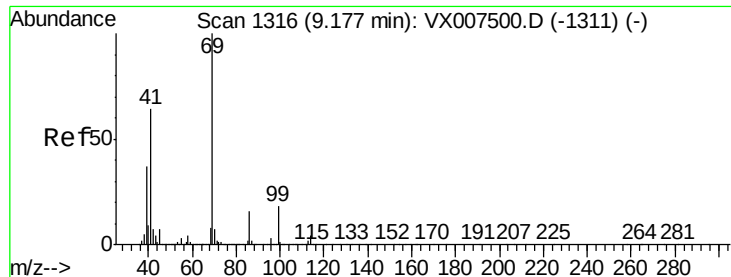


#50

1,1,2-Trichloroethane
Concen: 21.097 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion:	97	Resp:	86417
Ion Ratio	Lower	Upper	
97	100		
83	84.3	72.0	108.0
85	52.4	45.0	67.6
99	61.0	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.425 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

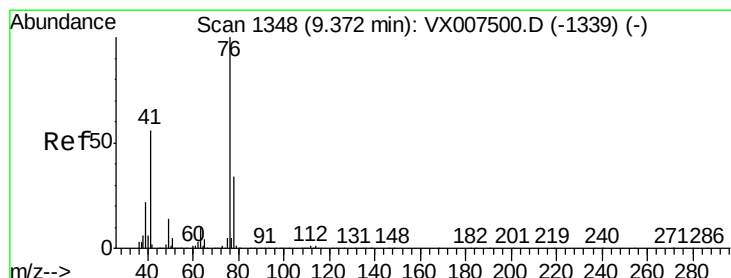
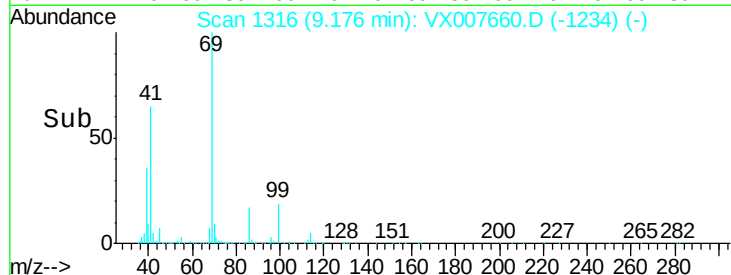
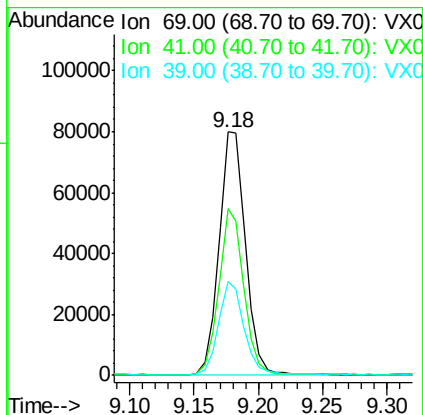
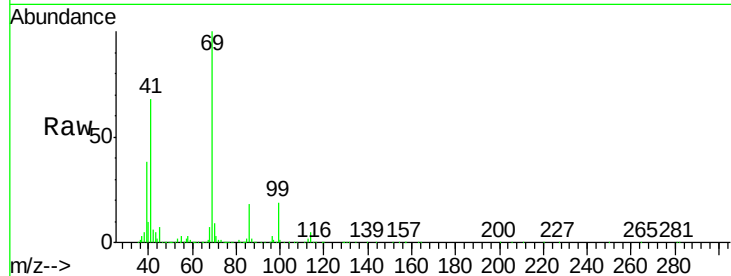
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	115354
Ion	Ratio	Lower	Upper
69	100		
41	68.1	32.1	96.5
39	38.1	18.8	56.3

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#52

1,3-Dichloropropane

Concen: 20.860 ug/l

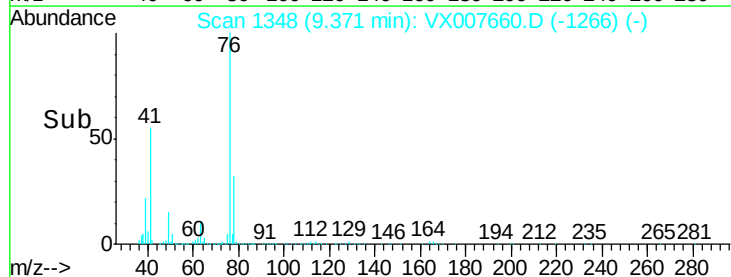
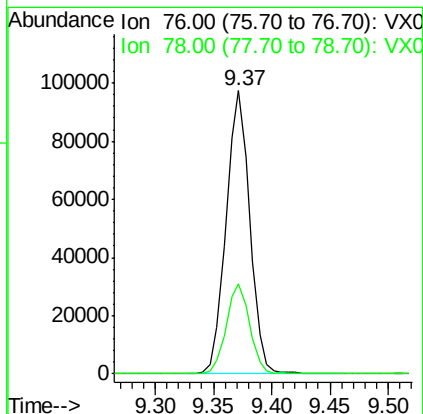
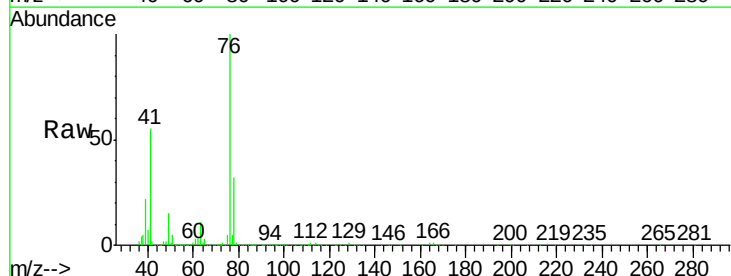
RT: 9.37 min Scan# 1348

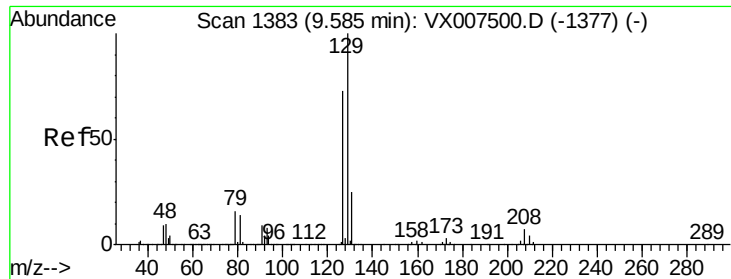
Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion:	76	Resp:	137825
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	65.2





#53

Dibromochloromethane

Concen: 19.769 ug/l

RT: 9.58 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 84222

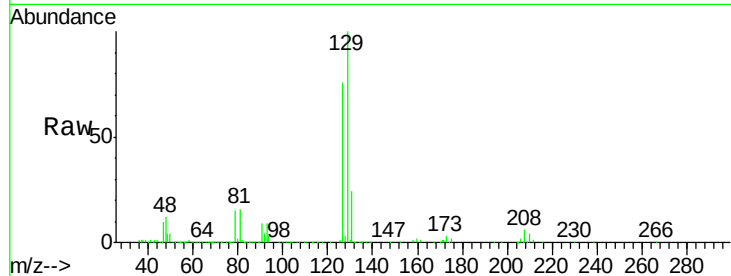
Ion Ratio Lower Upper

129 100

127 80.0 38.4 115.2

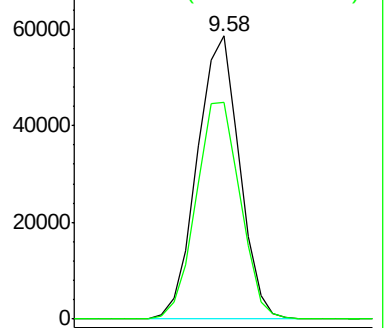
Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM

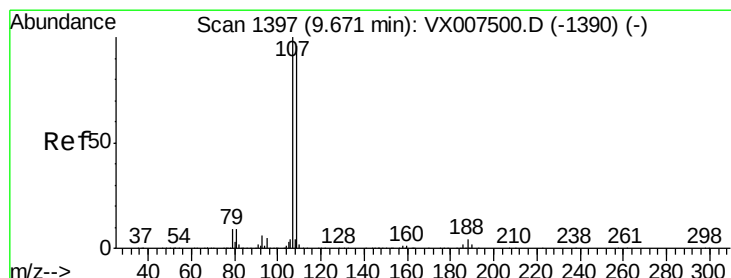
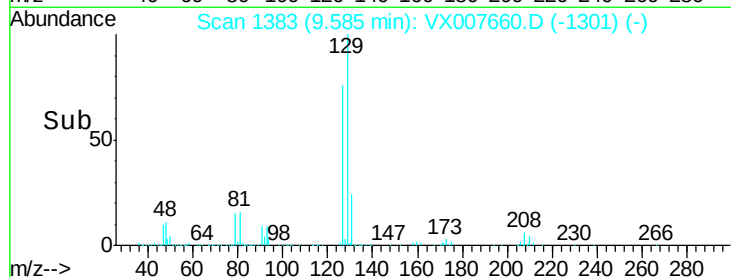


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#54

1,2-Dibromoethane

Concen: 20.601 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007660.D

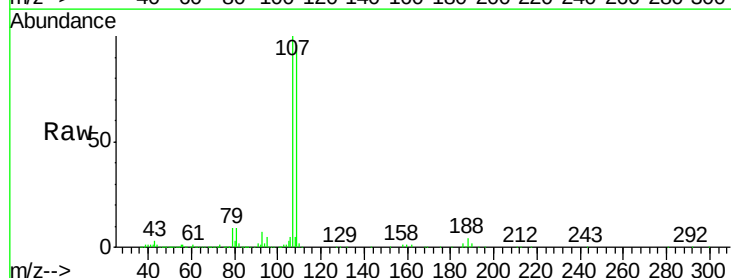
Acq: 22 Feb 2019 15:22

Tgt Ion:107 Resp: 92403

Ion Ratio Lower Upper

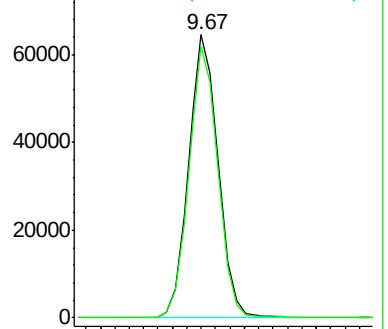
107 100

109 94.2 76.6 115.0

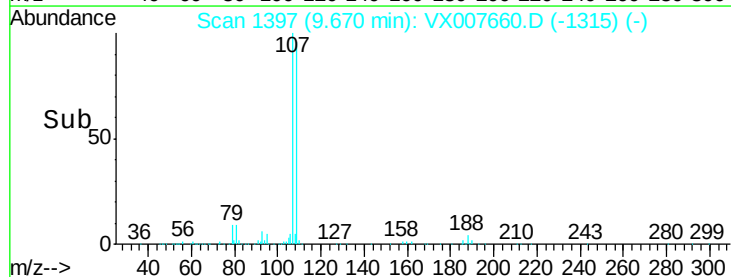


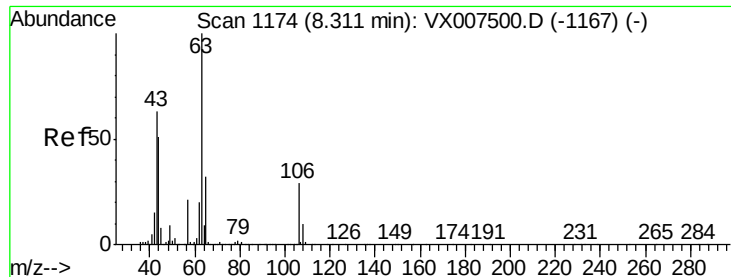
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





#55

2-Chloroethyl vinyl ether

Concen: 101.843 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

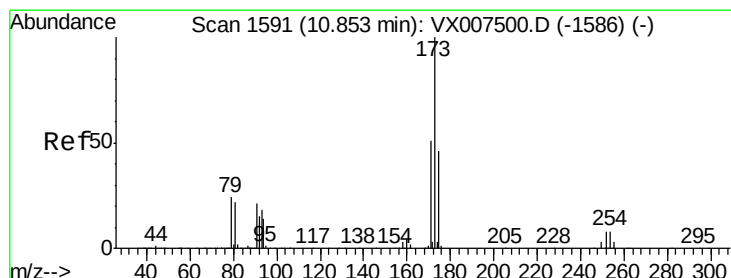
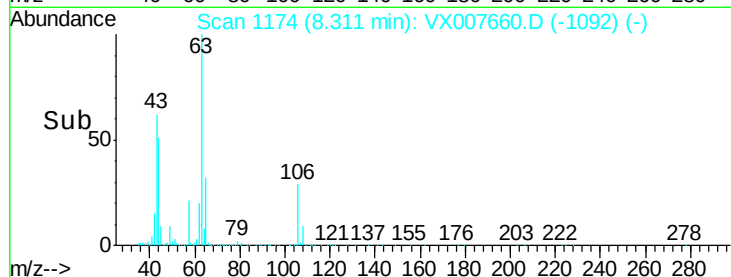
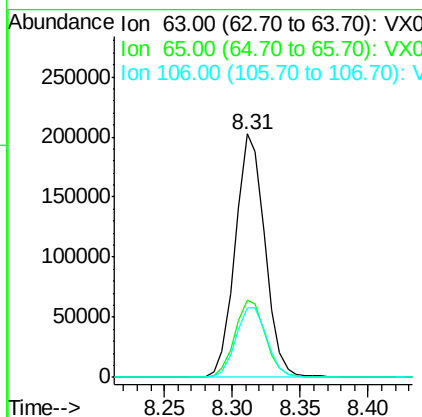
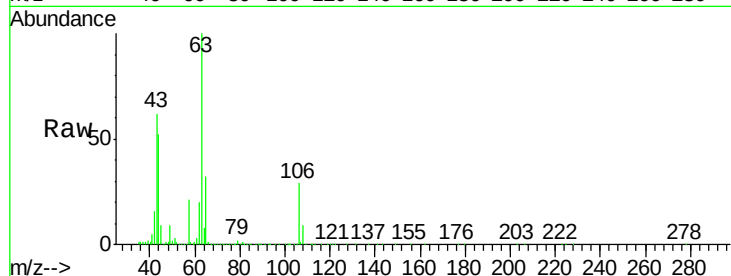
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	307480
Ion Ratio	Lower	Upper	
63	100		
65	32.4	25.7	38.5
106	29.9	23.7	35.5

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#56

Bromoform

Concen: 19.158 ug/l

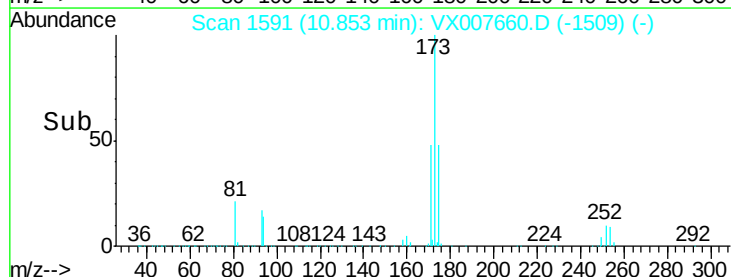
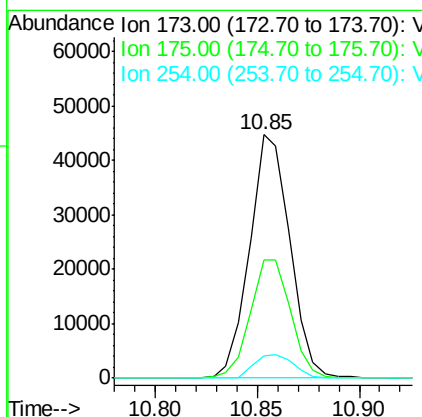
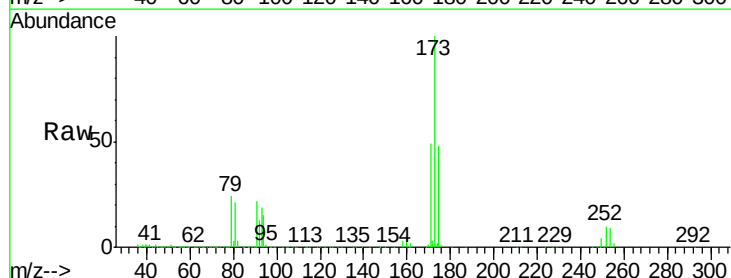
RT: 10.85 min Scan# 1591

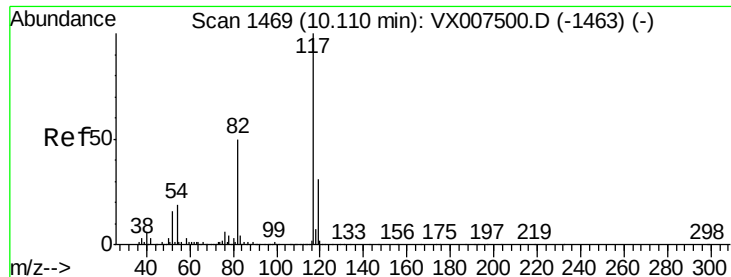
Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion:	173	Resp:	61567
Ion Ratio	Lower	Upper	
173	100		
175	49.1	38.5	57.7
254	9.7	7.4	11.2





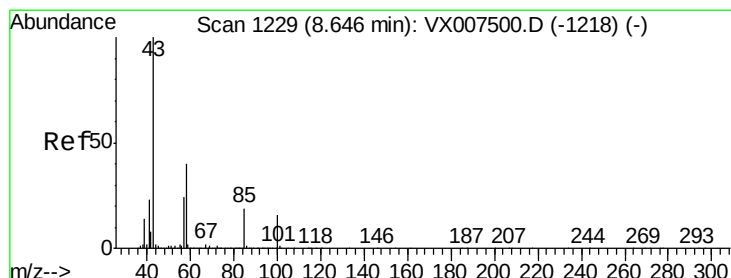
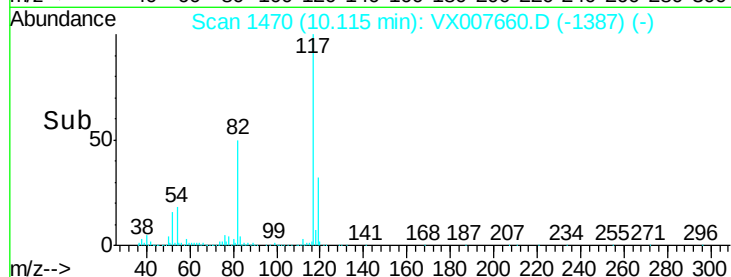
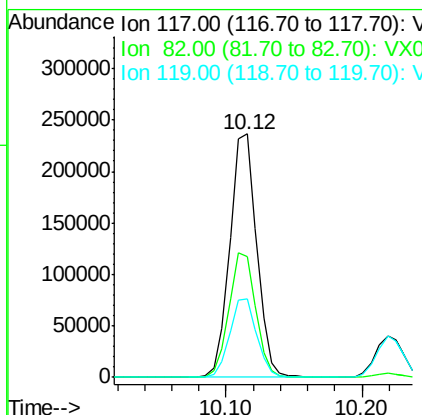
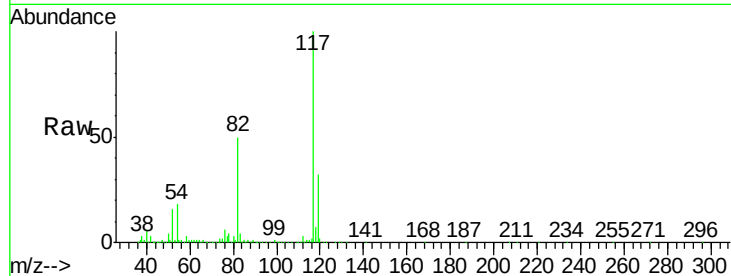
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	40.4	60.6
119	32.5	25.8	38.6

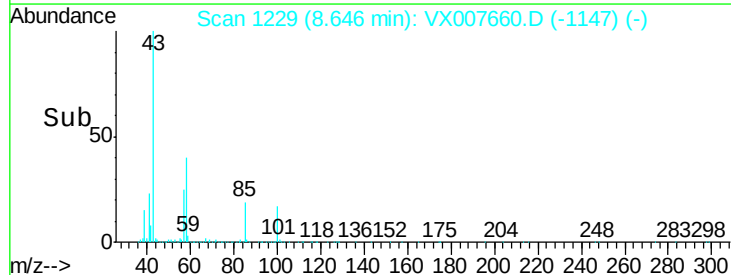
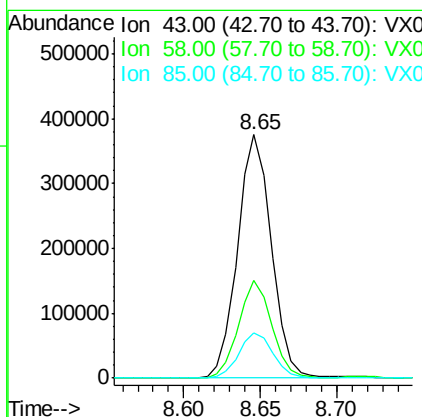
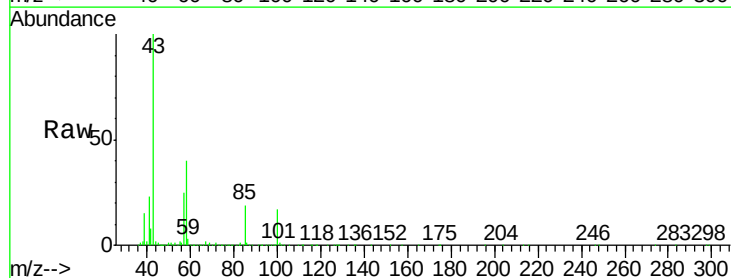
Manual Integrations
APPROVED

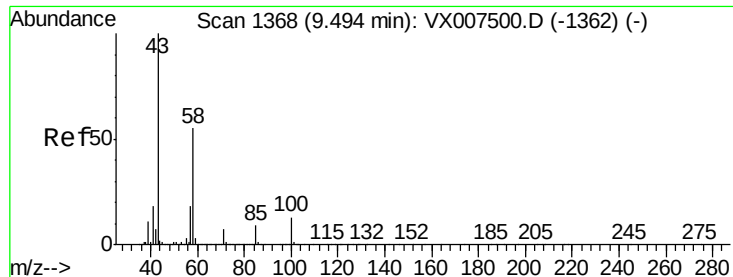
MMDadoda
2/25/2019 9:47:37 AM



#58
4-Methyl-2-Pentanone
Concen: 98.527 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.0
85	18.8	15.0	22.6





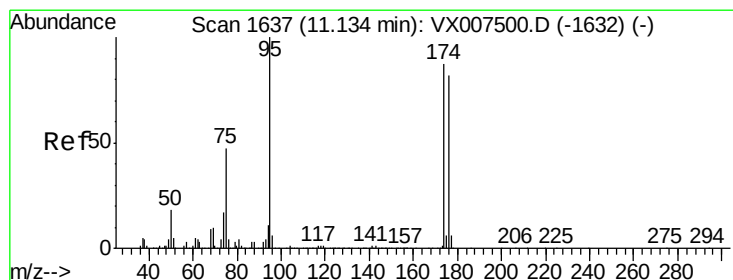
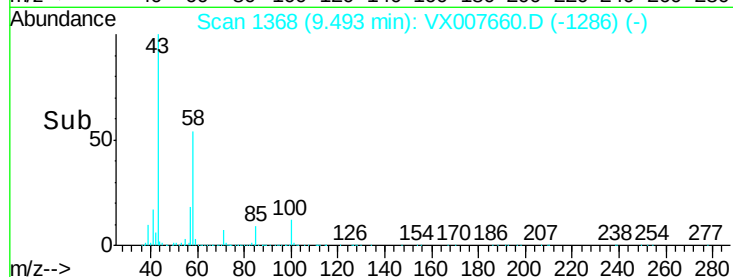
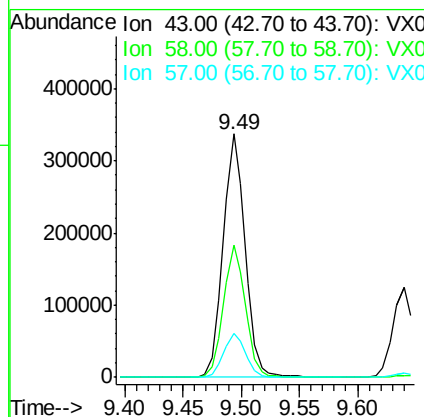
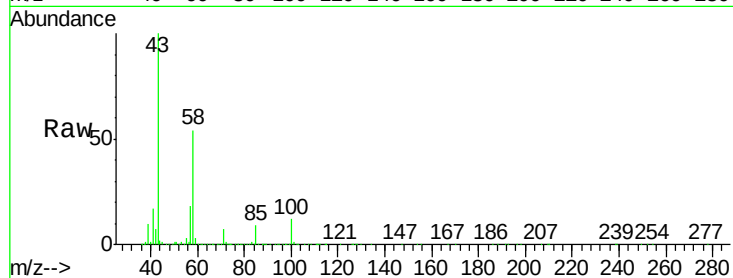
#59
2-Hexanone
Concen: 98.617 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	43.9	65.9
57	18.3	14.9	22.3

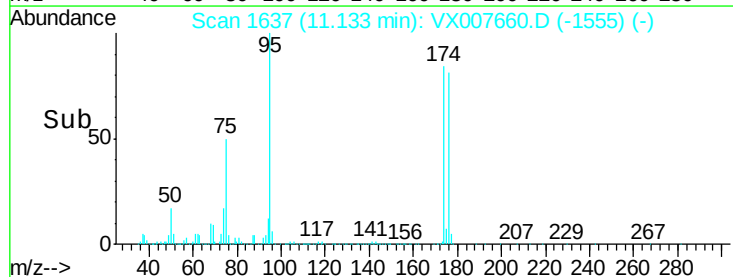
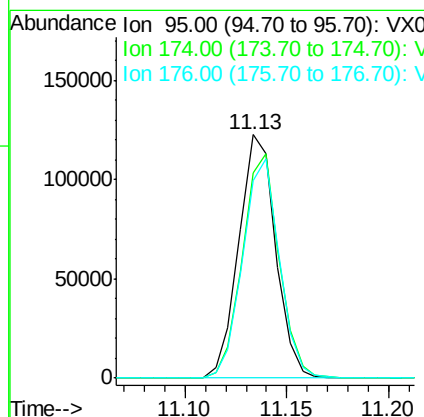
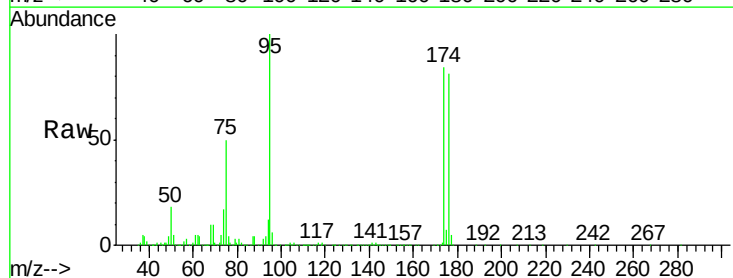
Manual Integrations
APPROVED

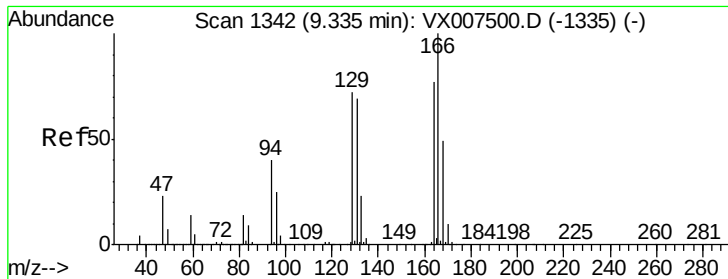
MMDadoda
2/25/2019 9:47:37 AM



#60
4-Bromofluorobenzene
Concen: 30.831 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	74.9	112.3
176	89.9	70.7	106.1





#61

Tetrachloroethene

Concen: 20.301 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 93676

Ion Ratio Lower Upper

164 100

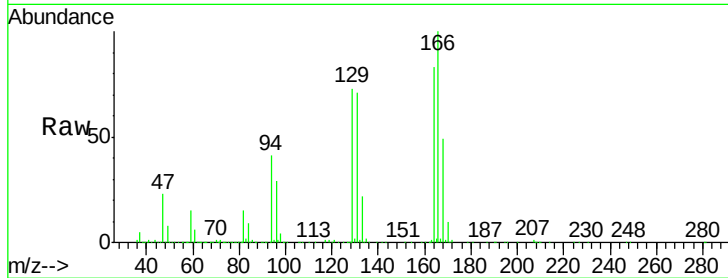
166 120.5 103.9 155.9

129 88.1 74.7 112.1

131 85.3 71.7 107.5

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM

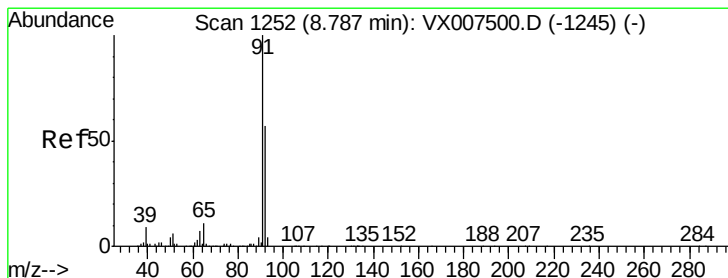
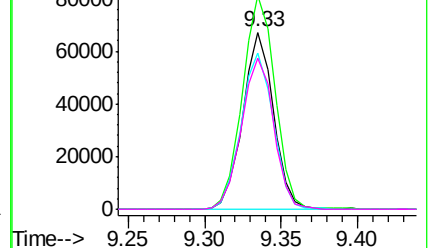
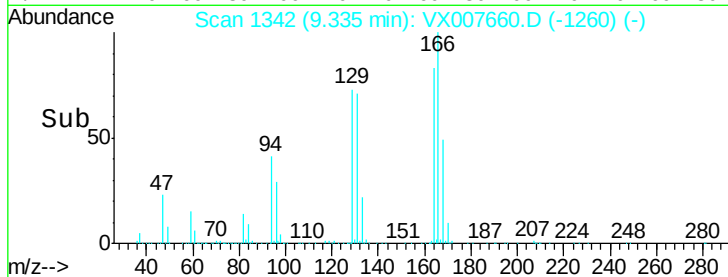


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.014 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007660.D

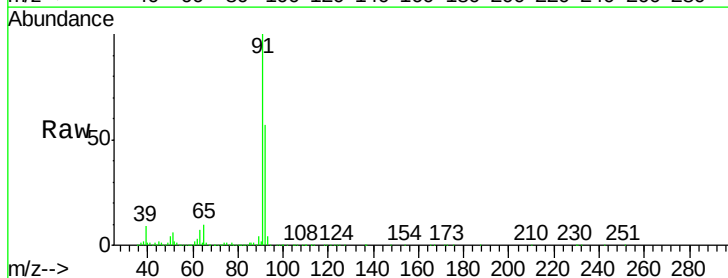
Acq: 22 Feb 2019 15:22

Tgt Ion: 91 Resp: 354313

Ion Ratio Lower Upper

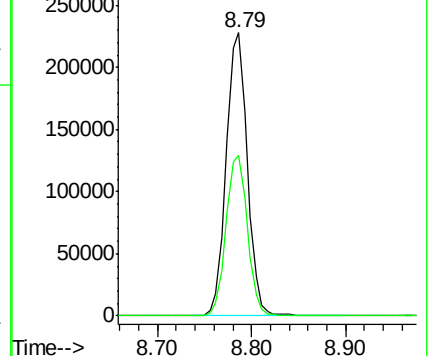
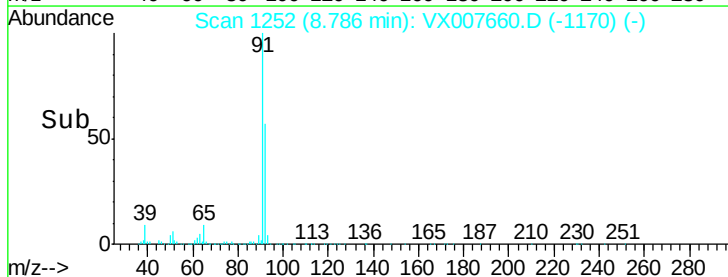
91 100

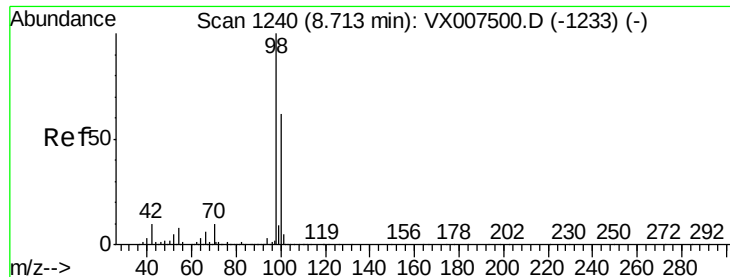
92 57.2 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.088 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 442046

Ion Ratio Lower Upper

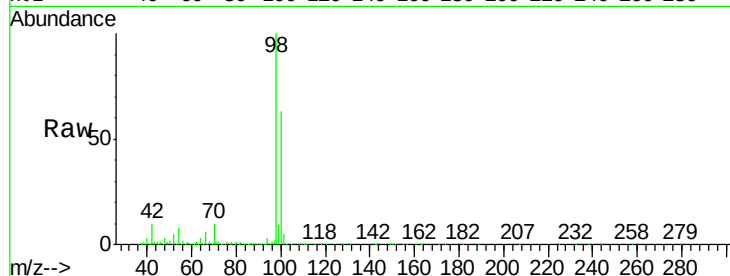
98 100

100 64.2 50.9 76.3

Manual Integrations
APPROVED

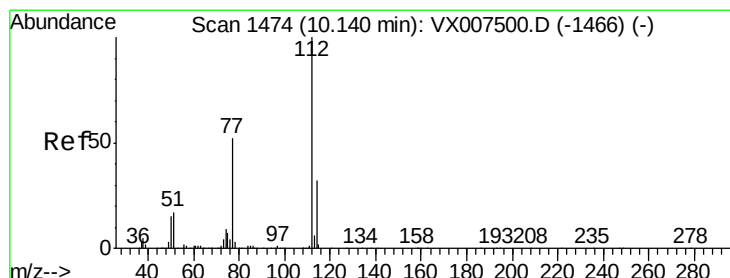
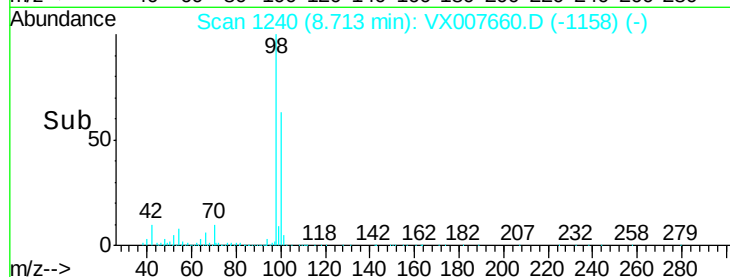
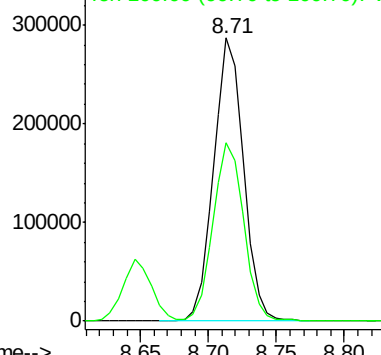
MMDadoda

2/25/2019 9:47:37 AM



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 19.909 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007660.D

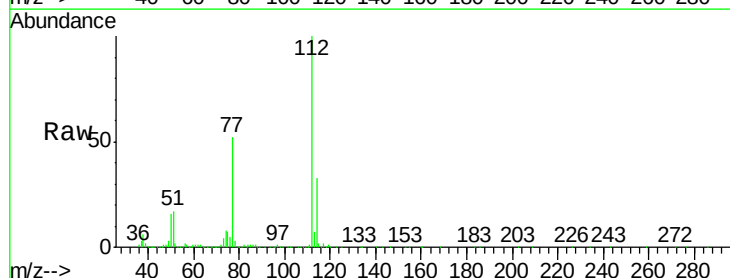
Acq: 22 Feb 2019 15:22

Tgt Ion: 112 Resp: 229042

Ion Ratio Lower Upper

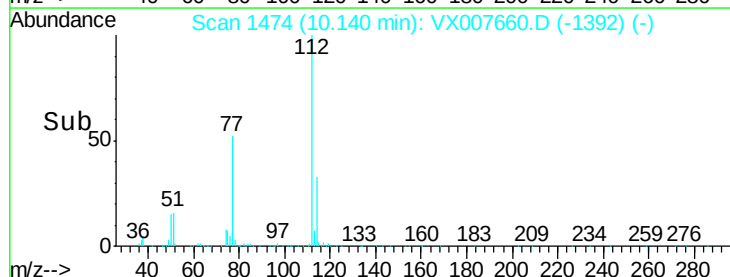
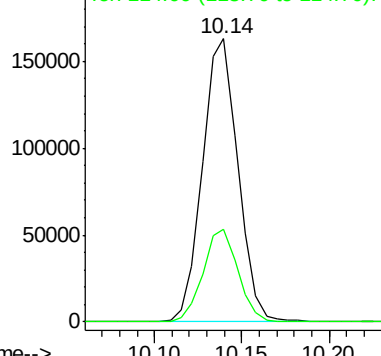
112 100

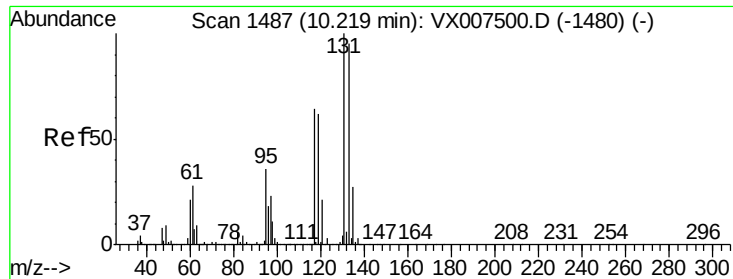
114 32.5 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 20.177 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

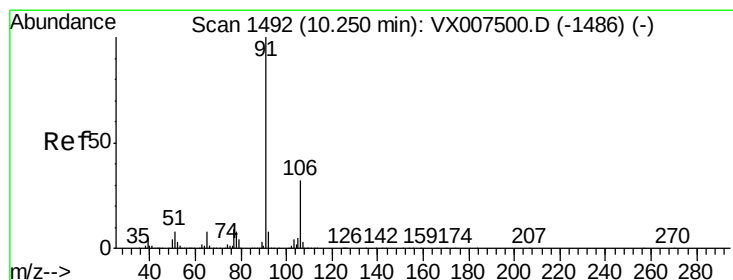
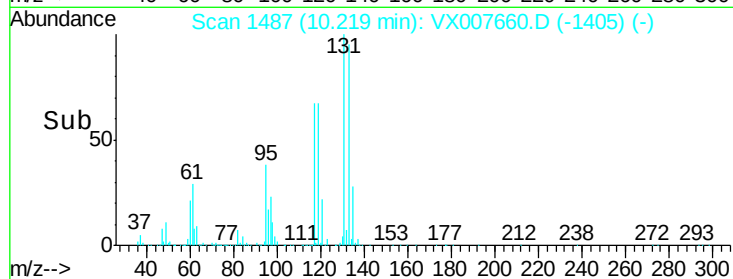
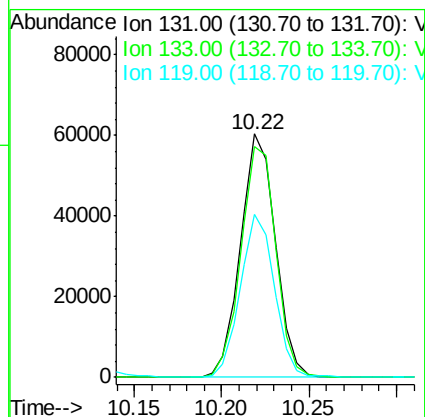
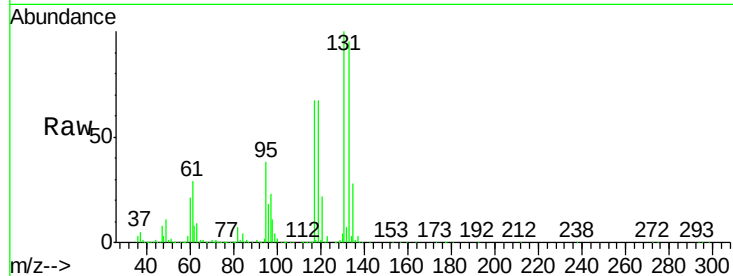
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	84075
Ion Ratio	Lower	Upper	
131	100		
133	95.0	0.0	191.6
119	65.6	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#66

Ethyl Benzene

Concen: 19.800 ug/l

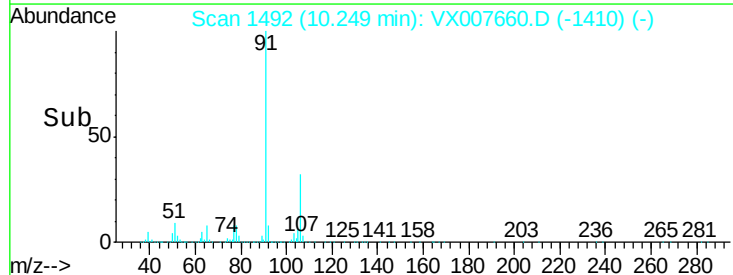
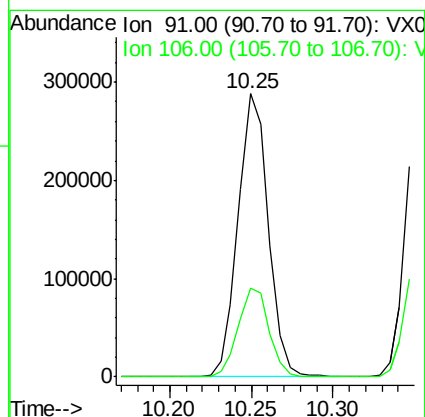
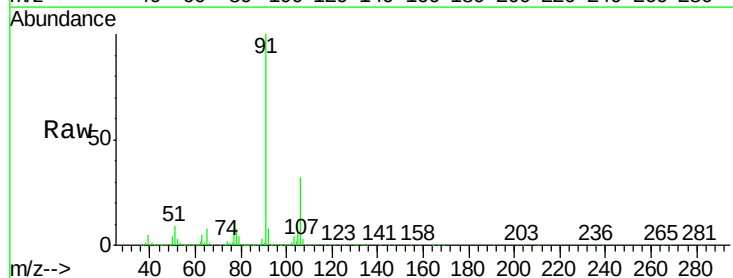
RT: 10.25 min Scan# 1492

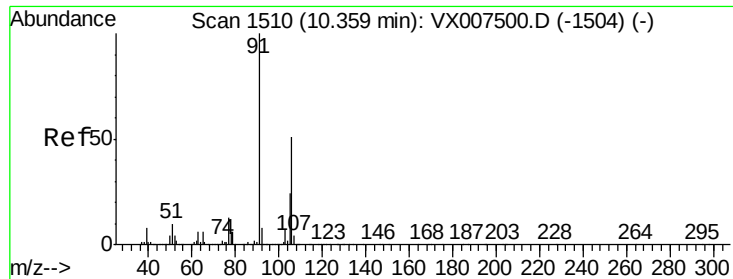
Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion:	91	Resp:	371958
Ion Ratio	Lower	Upper	
91	100		
106	31.5	26.0	39.0





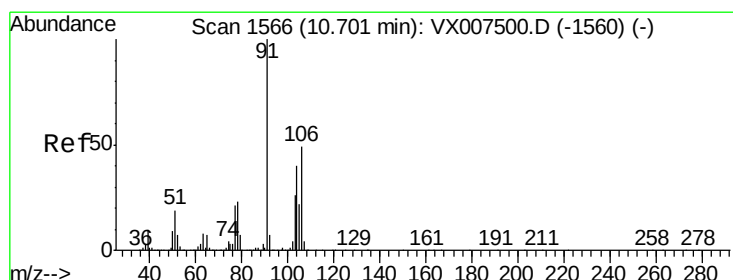
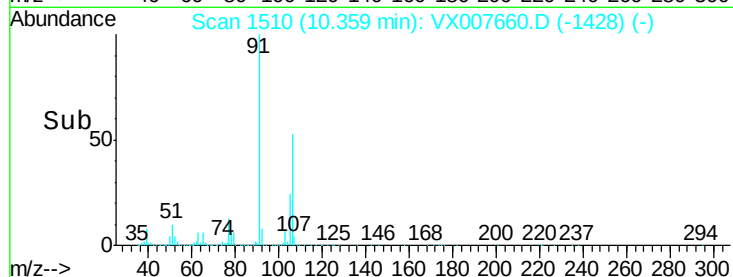
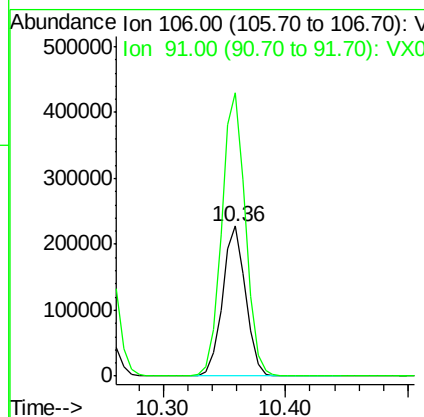
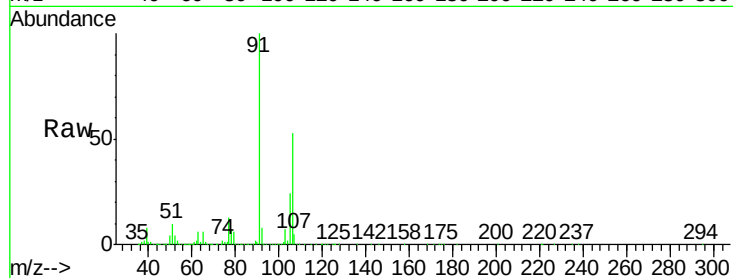
#67
m/p-Xylenes
Concen: 40.326 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	297130		
91	193.7	157.0	235.4	

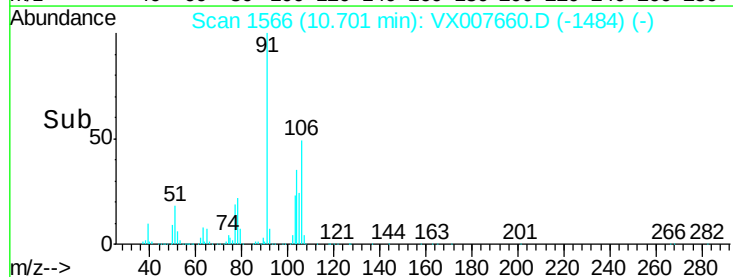
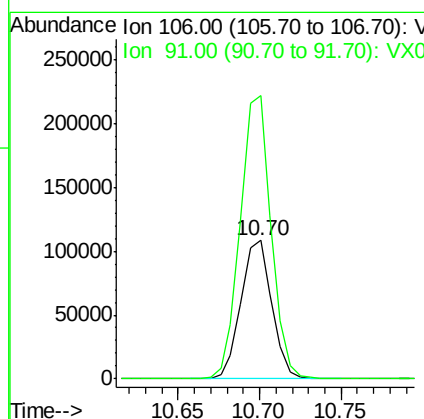
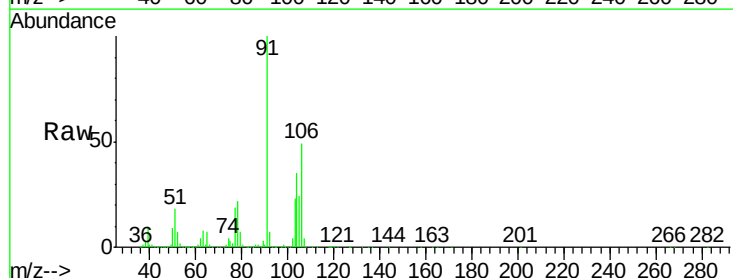
Manual Integrations
APPROVED

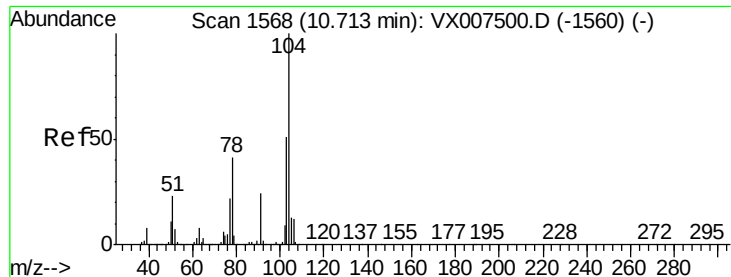
MMDadoda
2/25/2019 9:47:37 AM



#68
o-Xylene
Concen: 20.010 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	143798		
91	203.4	104.4	313.2	





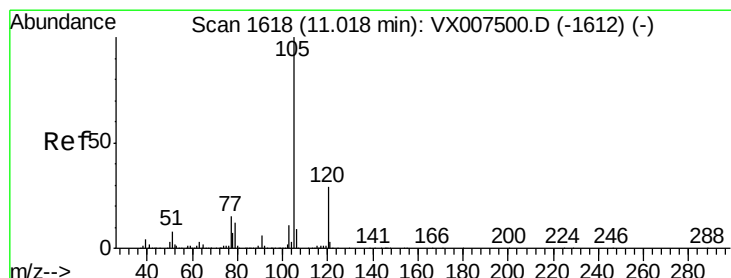
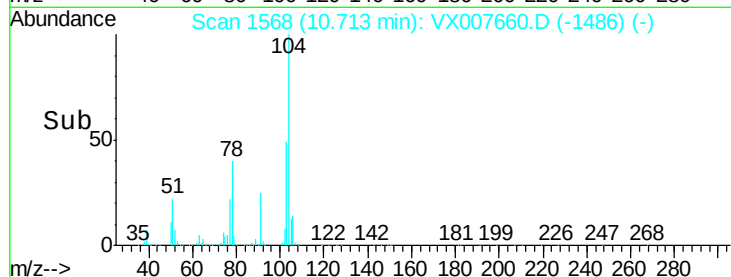
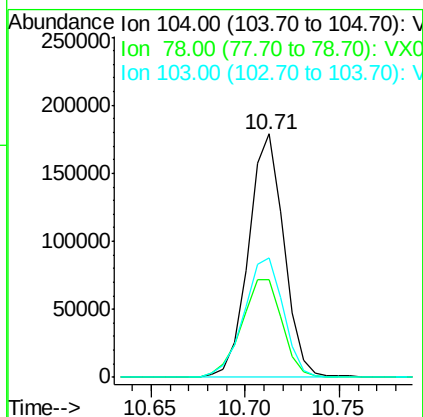
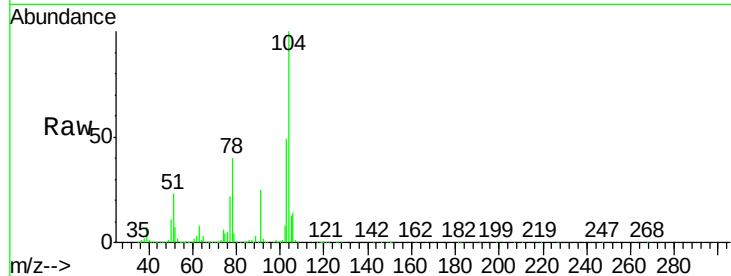
#69
Stvrene
Concen: 20.025 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.7	38.2	57.2
103	55.0	45.0	67.4

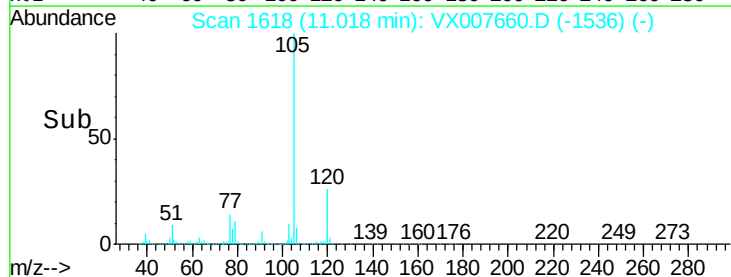
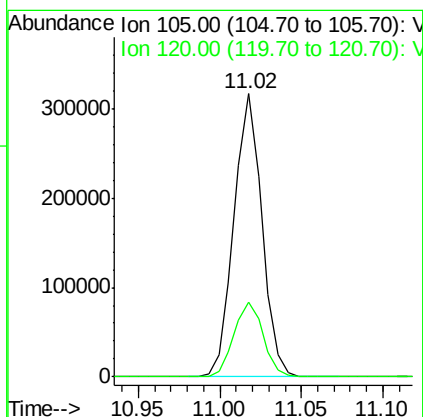
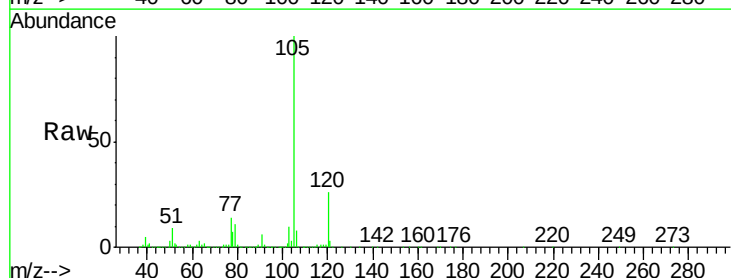
Manual Integrations
APPROVED

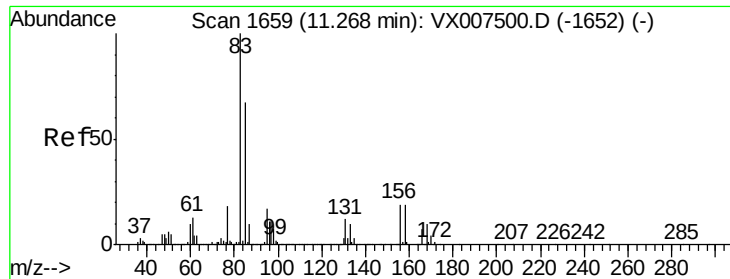
MMDadoda
2/25/2019 9:47:37 AM



#70
Isopropylbenzene
Concen: 19.948 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	19.8	36.8





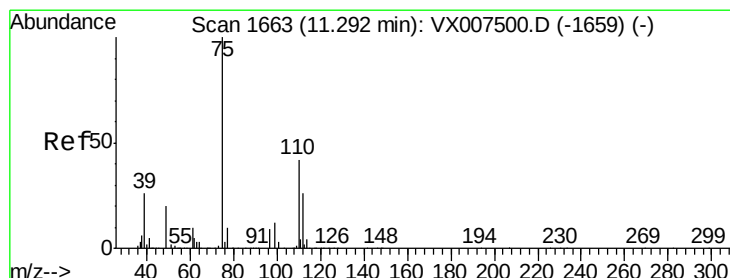
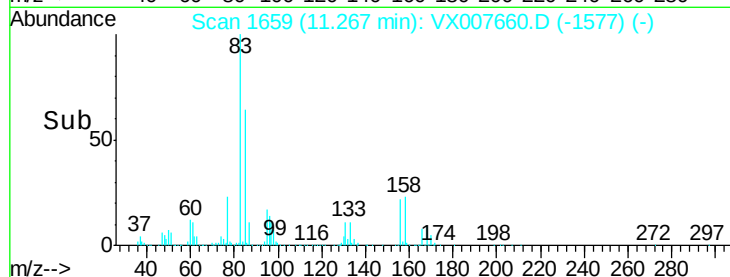
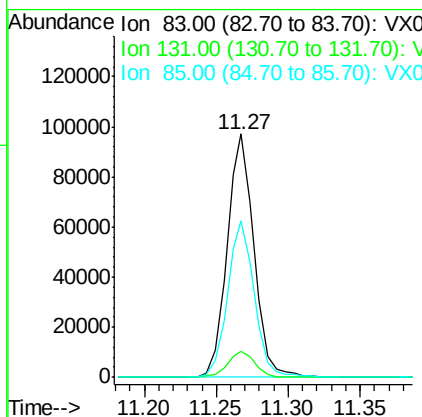
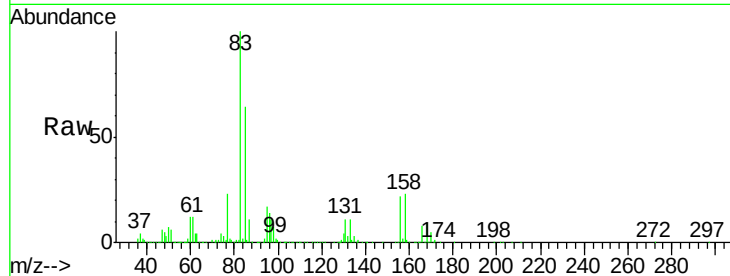
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.328 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	64.3	32.8	98.4

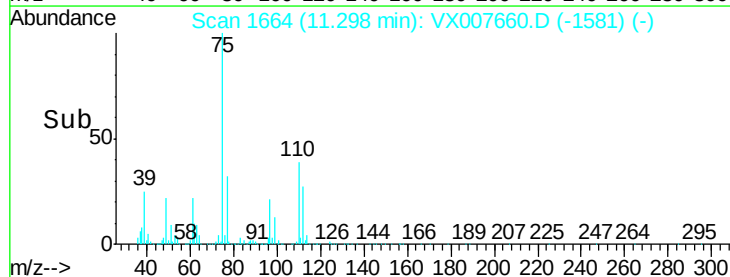
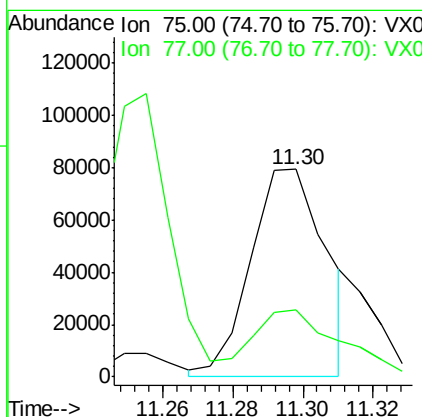
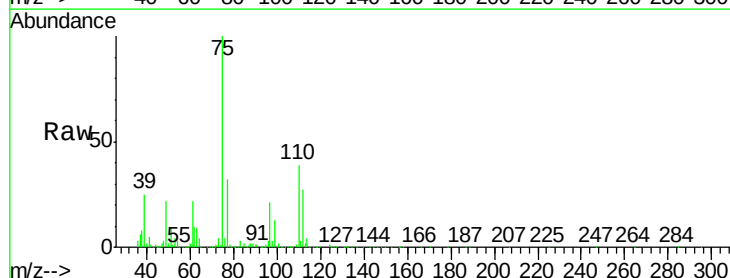
Manual Integrations
 APPROVED

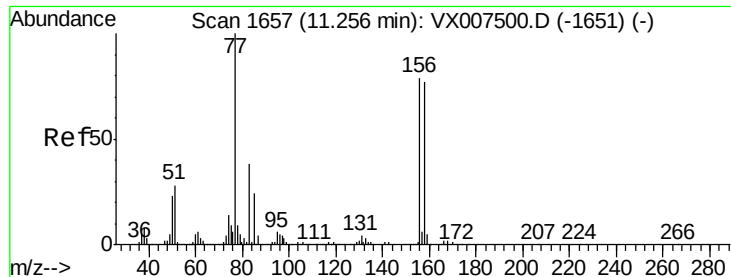
MMDadoda
 2/25/2019 9:47:37 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.701 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.1	0.0	76.4





#73

Bromobenzene

Concen: 20.066 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

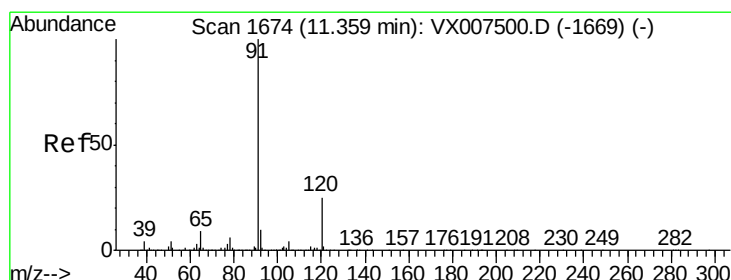
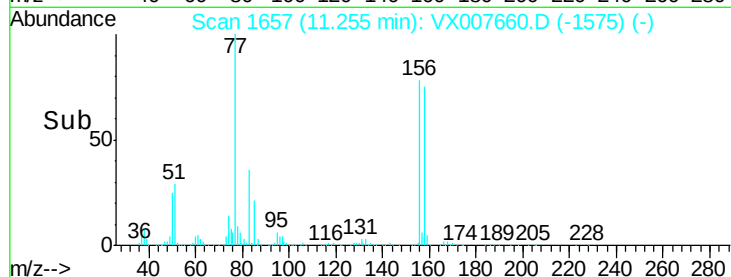
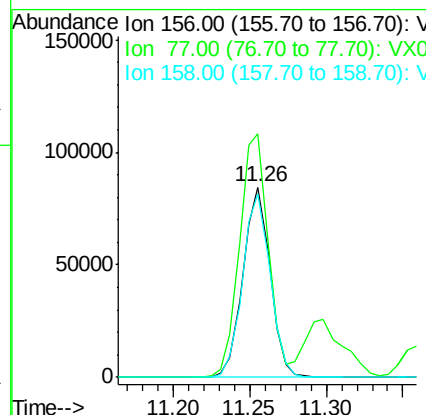
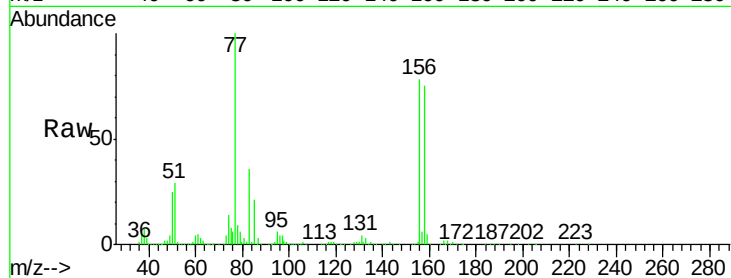
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	103865
Ion Ratio	Lower	Upper	
156	100		
77	134.9	0.0	271.4
158	98.2	0.0	194.0

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#74

n-propylbenzene

Concen: 20.187 ug/l

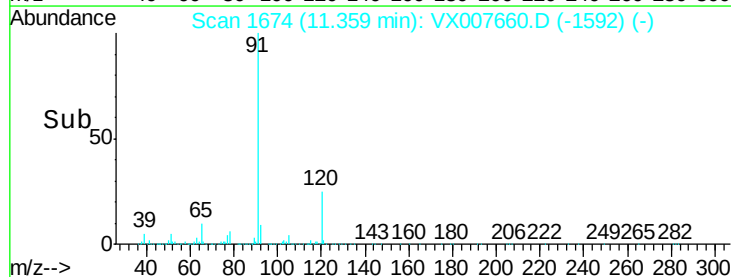
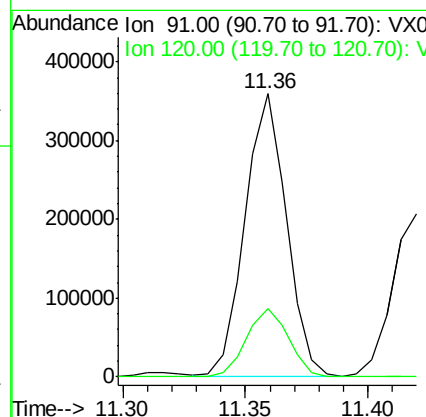
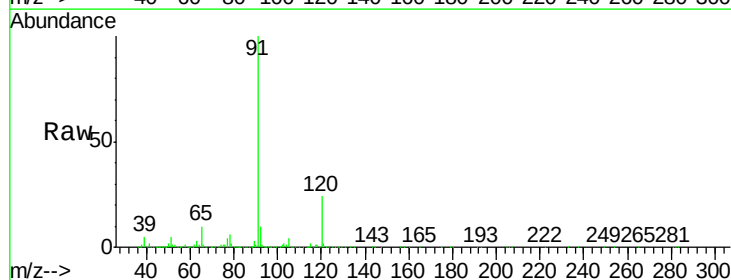
RT: 11.36 min Scan# 1674

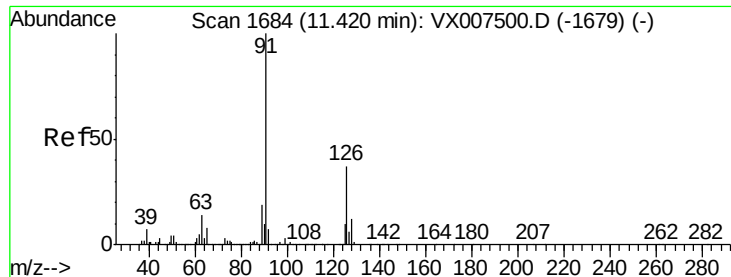
Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion:	91	Resp:	424952
Ion Ratio	Lower	Upper	
91	100		
120	24.4	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.319 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 255748

Ion Ratio Lower Upper

91 100

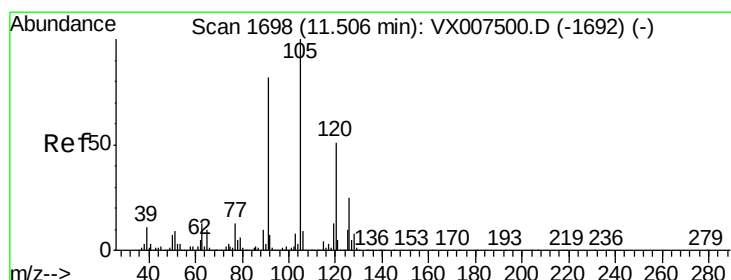
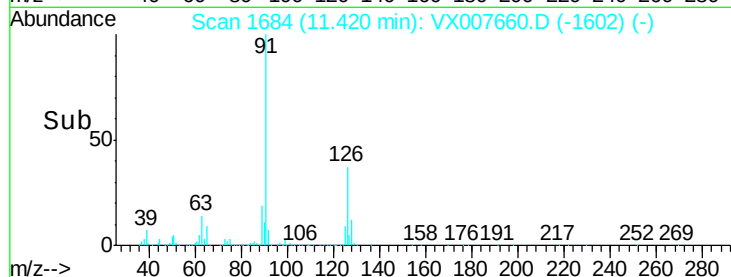
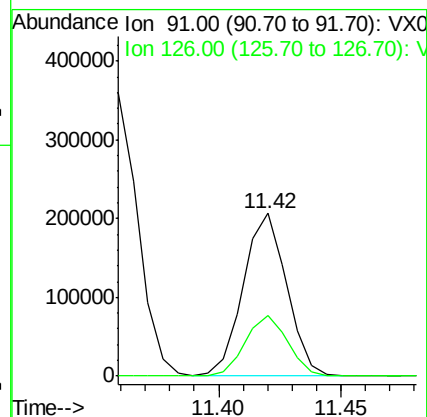
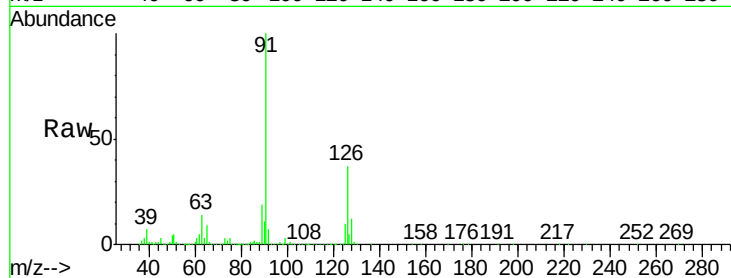
126 36.5 0.0 75.2

Manual Integrations

APPROVED

MMDadoda

2/25/2019 9:47:37 AM



#76

1,3,5-Trimethylbenzene

Concen: 19.711 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007660.D

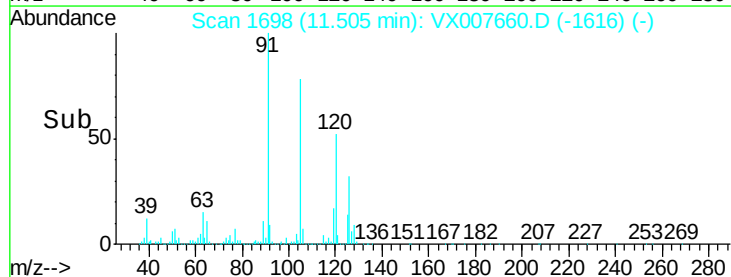
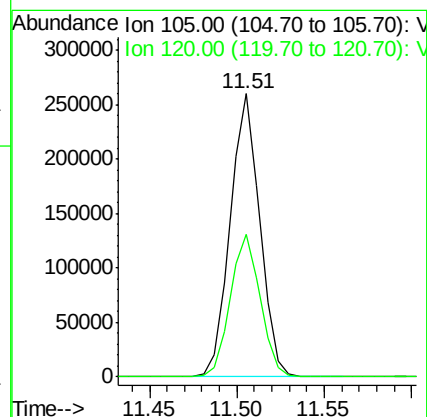
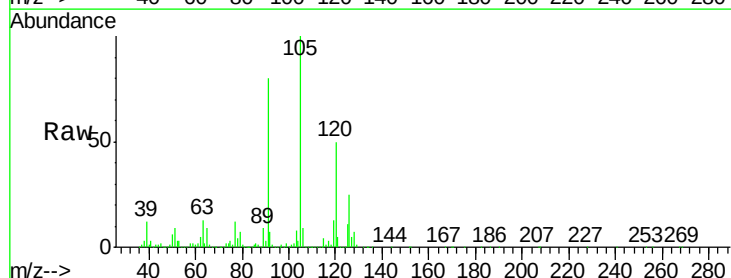
Acq: 22 Feb 2019 15:22

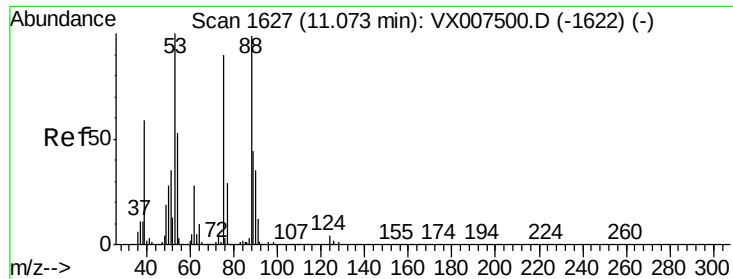
Tgt Ion: 105 Resp: 305052

Ion Ratio Lower Upper

105 100

120 50.6 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 19.305 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

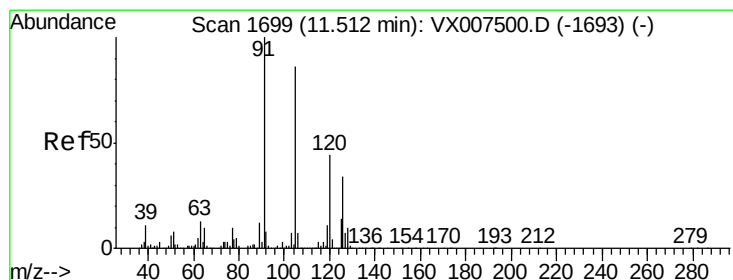
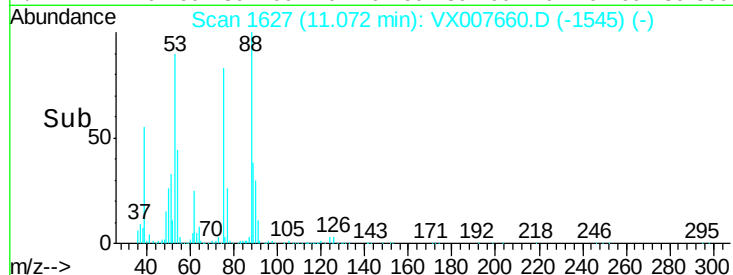
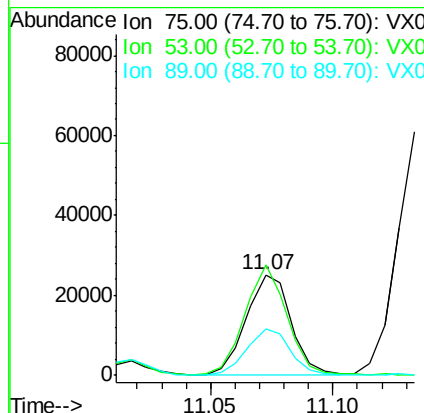
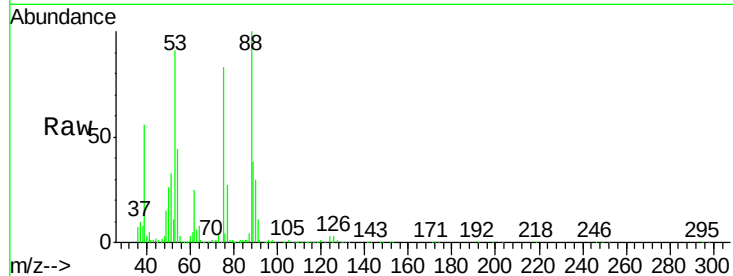
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	31931
Ion	Ratio	Lower	Upper
75	100		
53	109.9	55.5	166.7
89	45.4	24.4	73.2

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#78

4-Chlorotoluene

Concen: 19.745 ug/l

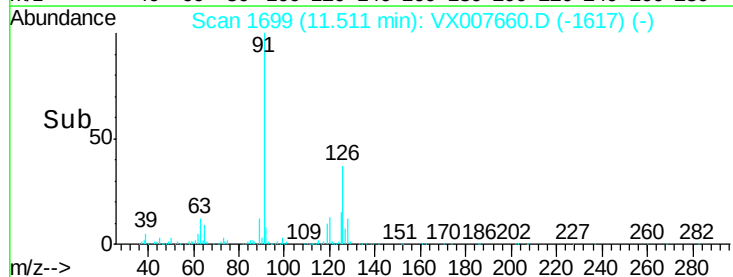
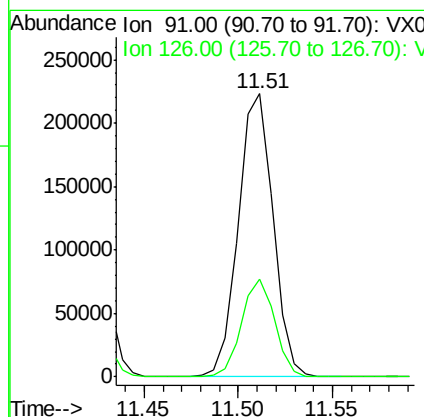
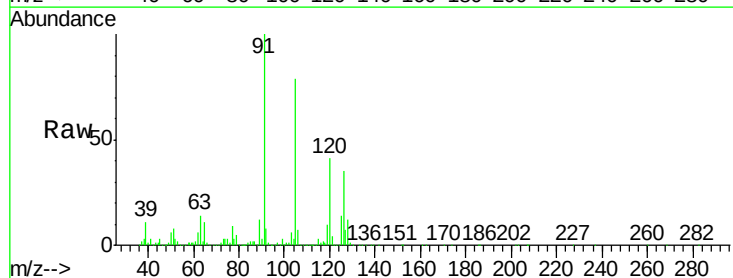
RT: 11.51 min Scan# 1699

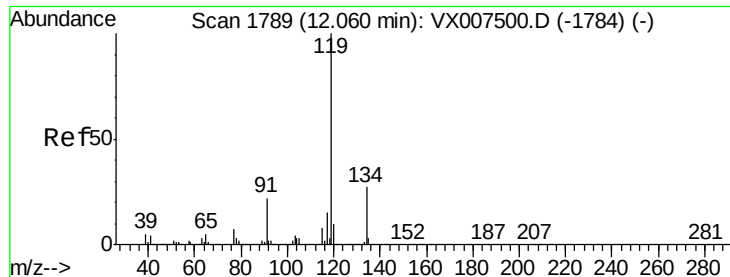
Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion:	91	Resp:	283681
Ion	Ratio	Lower	Upper
91	100		
126	32.7	0.0	66.2





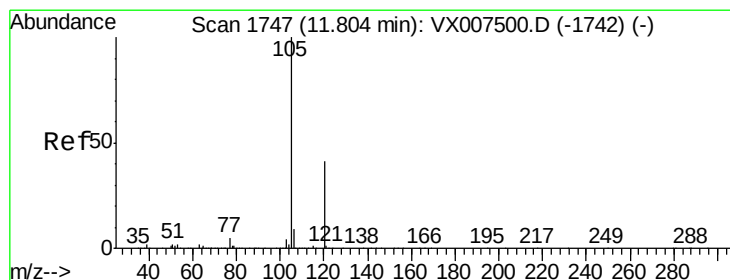
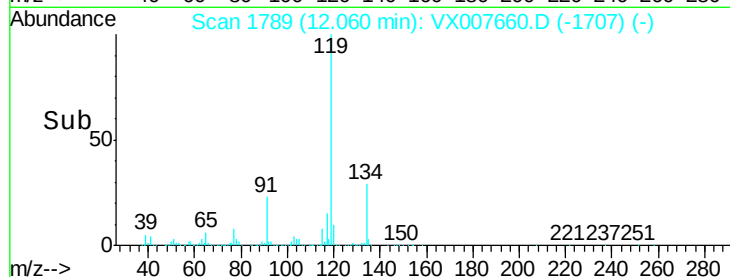
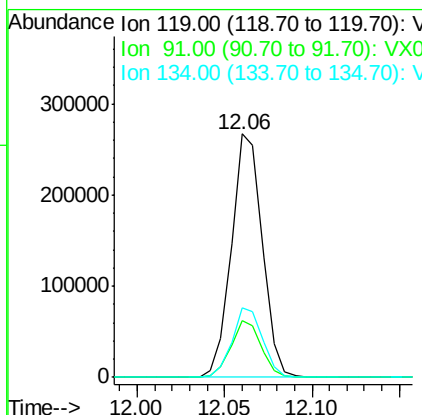
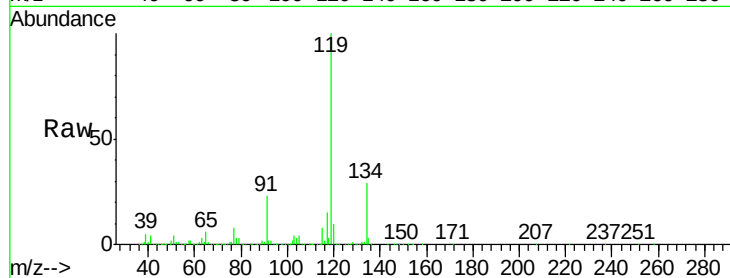
#79
tert-butylbenzene
Concen: 19.933 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	327566		
91	22.8	0.0	45.0	
134	28.2	0.0	55.4	

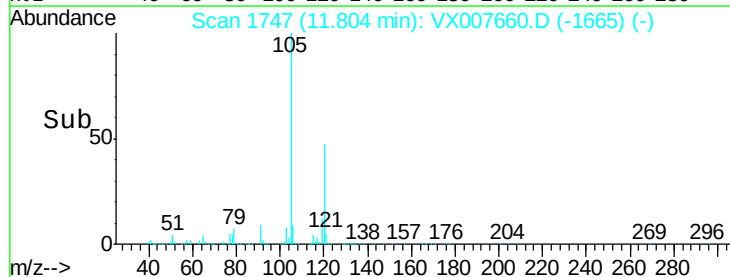
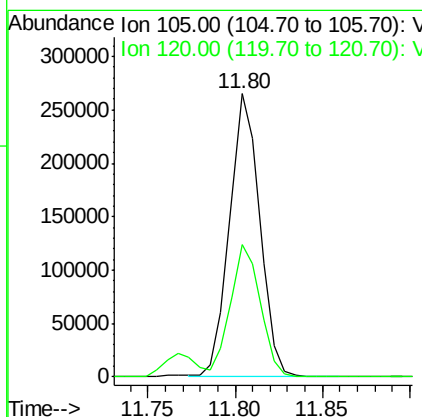
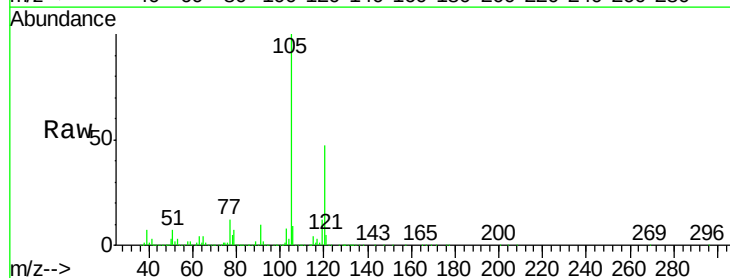
Manual Integrations
APPROVED

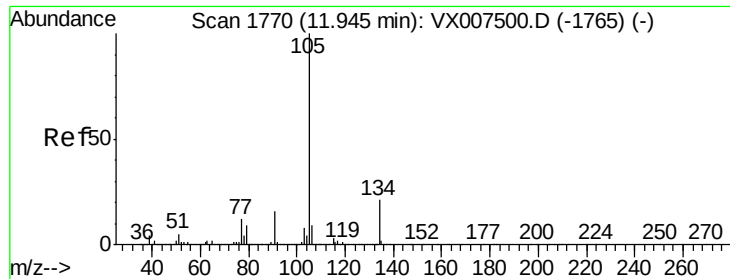
MMDadoda
2/25/2019 9:47:37 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.369 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	320001		
120	46.0	0.0	94.0	





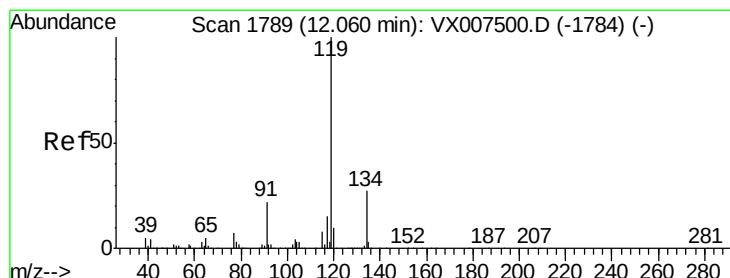
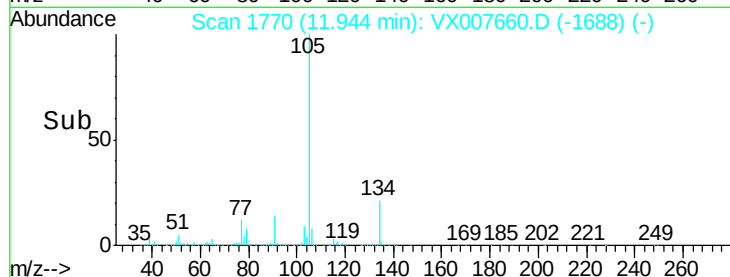
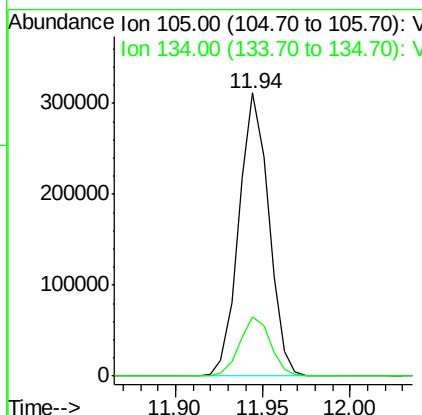
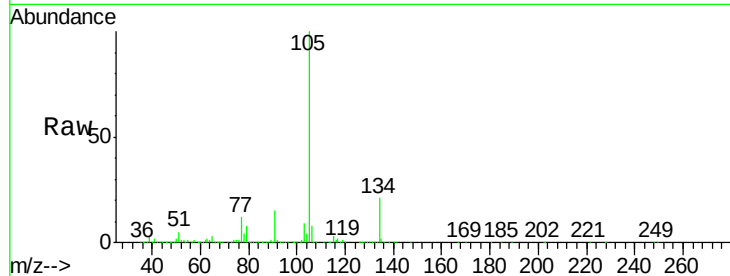
#81
 sec-Butylbenzene
 Concen: 20.074 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	0.0	41.8

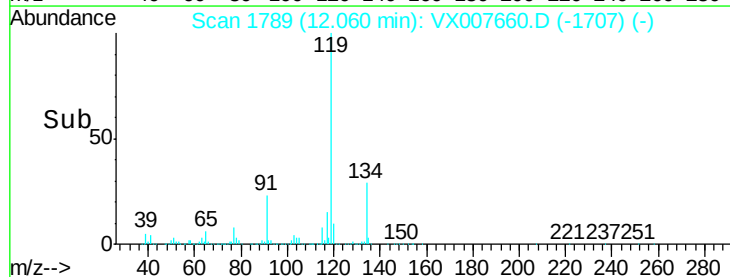
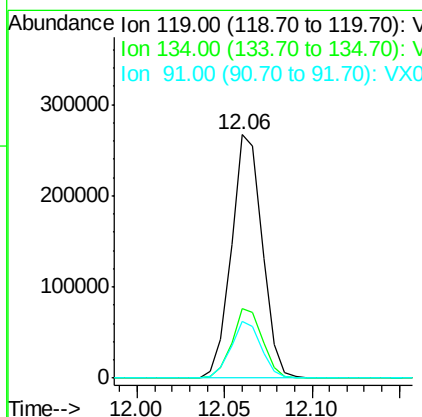
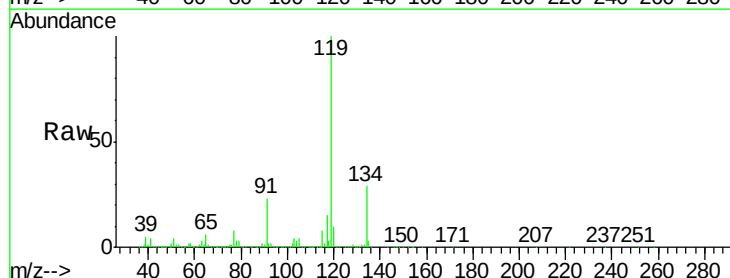
Manual Integrations
 APPROVED

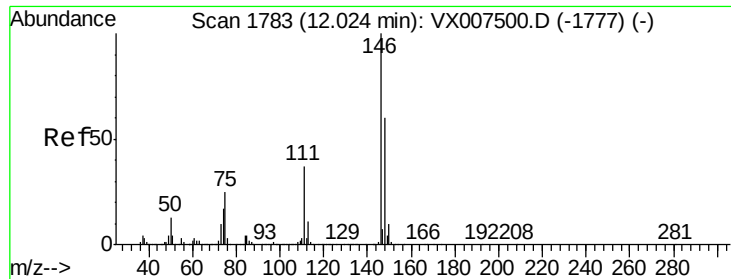
MMDadoda
 2/25/2019 9:47:37 AM



#82
 p-Isopropyltoluene
 Concen: 19.933 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.2	0.0	55.4
91	22.8	0.0	45.0





#83

1,3-Dichlorobenzene

Concen: 20.210 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

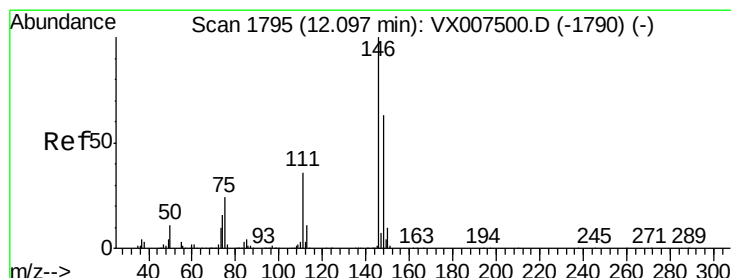
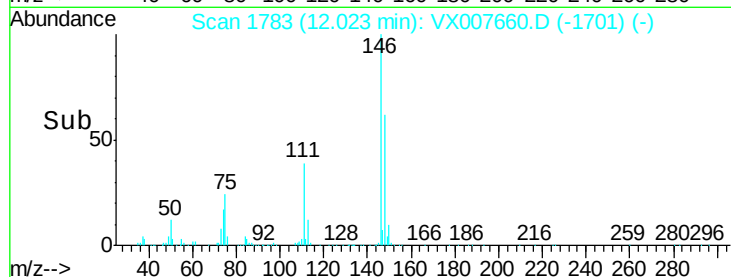
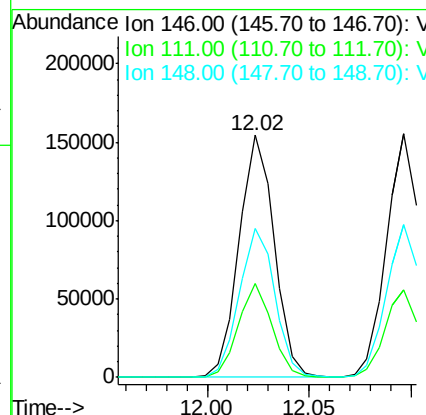
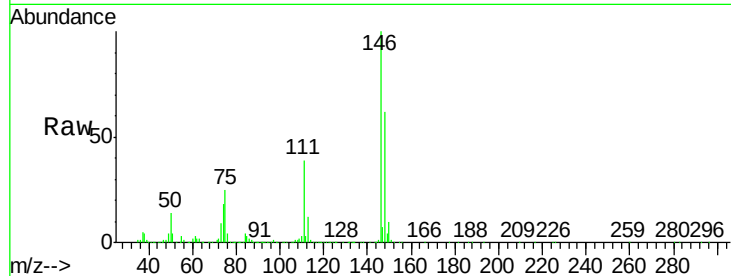
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	183902
Ion Ratio		Lower	Upper
146	100		
111	37.3	18.8	56.3
148	62.5	30.6	91.8

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#84

1,4-Dichlorobenzene

Concen: 19.987 ug/l

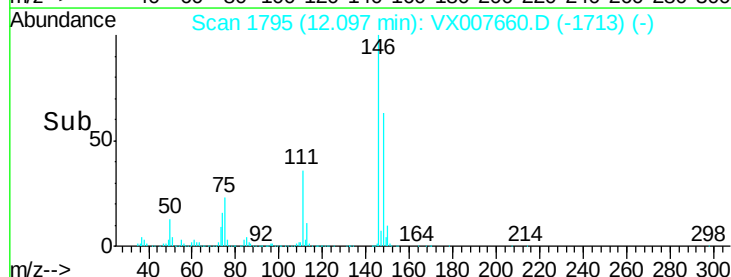
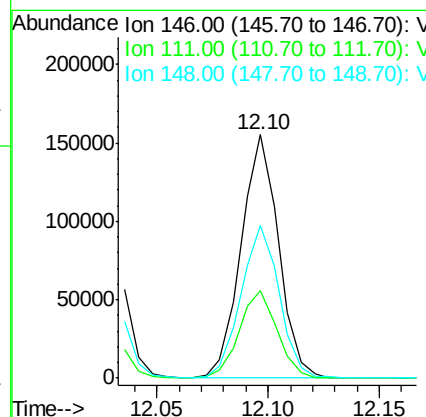
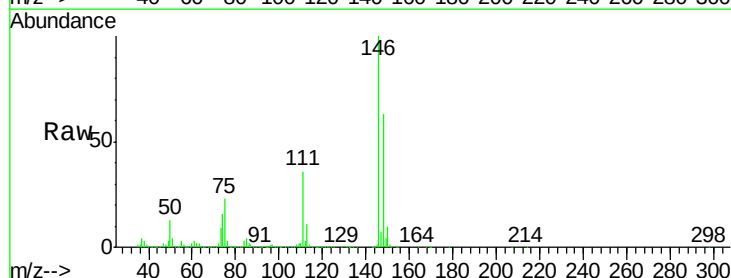
RT: 12.10 min Scan# 1795

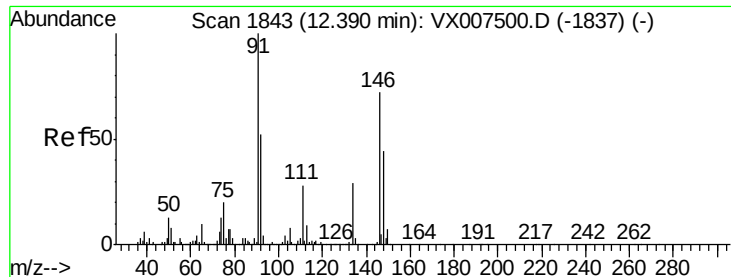
Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion:	146	Resp:	181496
Ion Ratio		Lower	Upper
146	100		
111	36.3	17.6	52.8
148	64.0	31.4	94.2





#85

n-Butylbenzene

Concen: 20.059 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

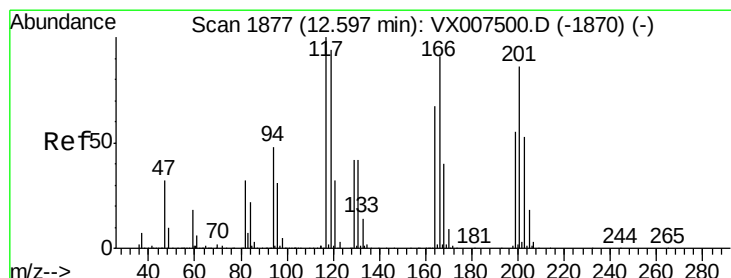
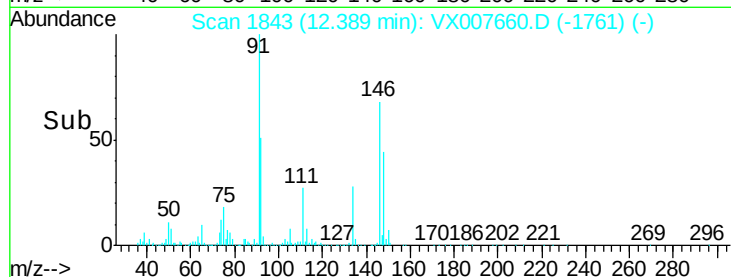
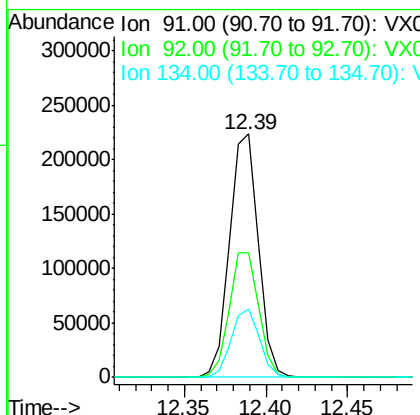
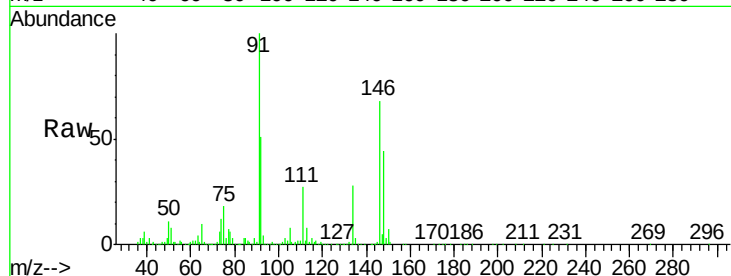
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	273535
Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	105.2
134	27.6	0.0	56.4

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#86

Hexachloroethane

Concen: 19.669 ug/l

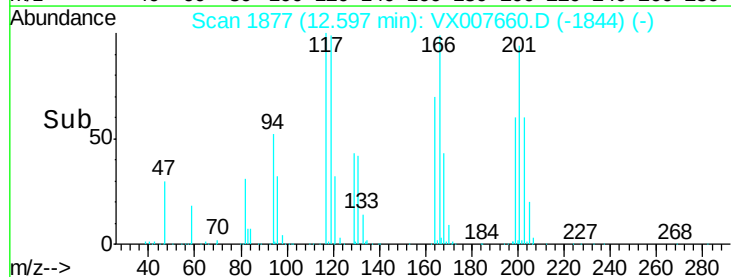
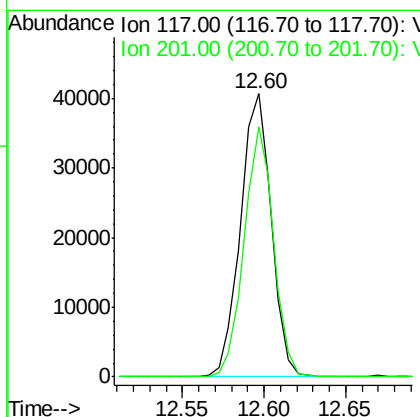
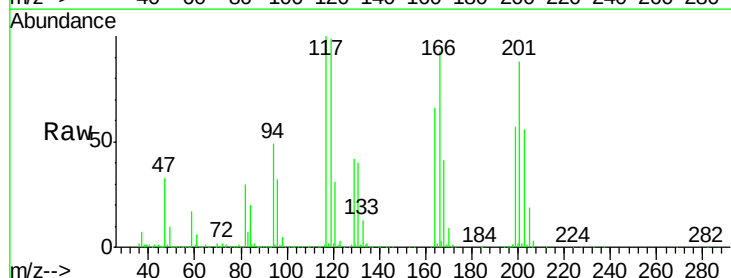
RT: 12.60 min Scan# 1877

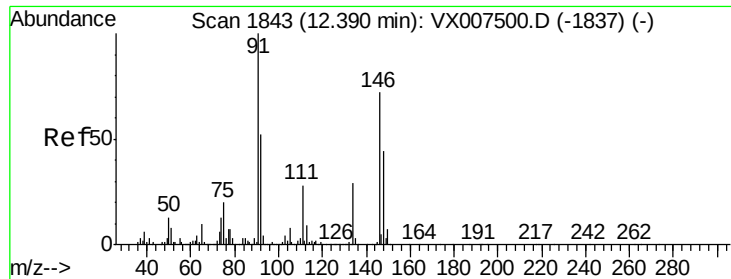
Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion:	117	Resp:	53663
Ion	Ratio	Lower	Upper
117	100		
201	84.2	41.1	123.3





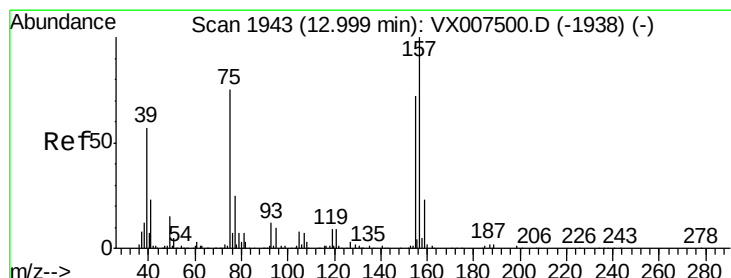
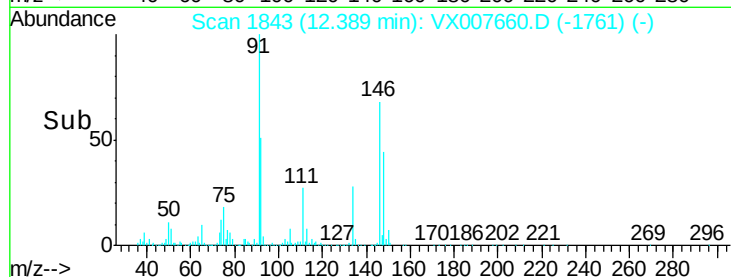
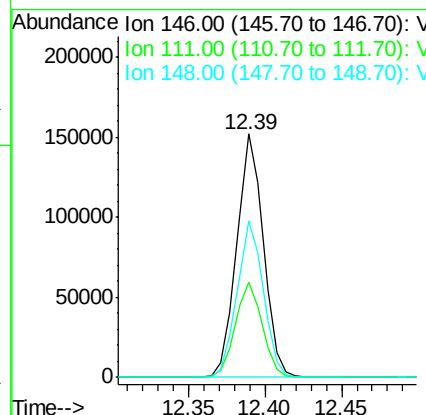
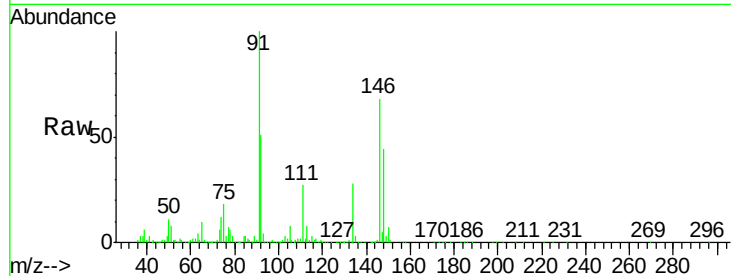
#87
 1,2-Dichlorobenzene
 Concen: 20.126 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183816		
111	39.3	19.3	57.8	
148	63.3	32.1	96.3	

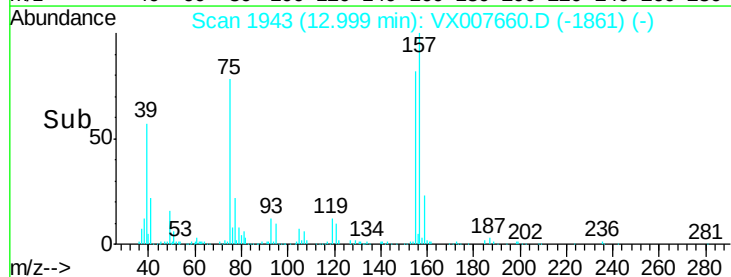
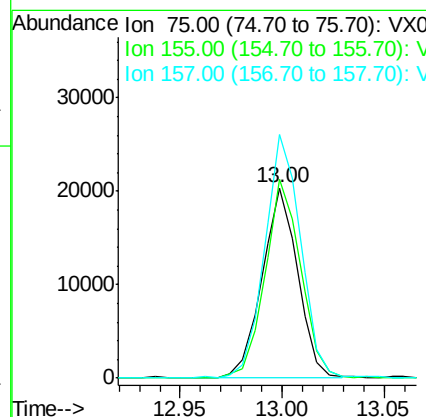
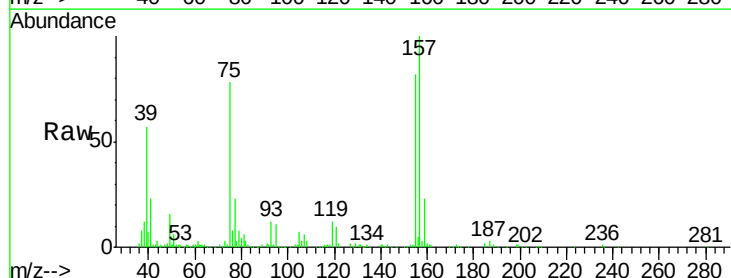
Manual Integrations
 APPROVED

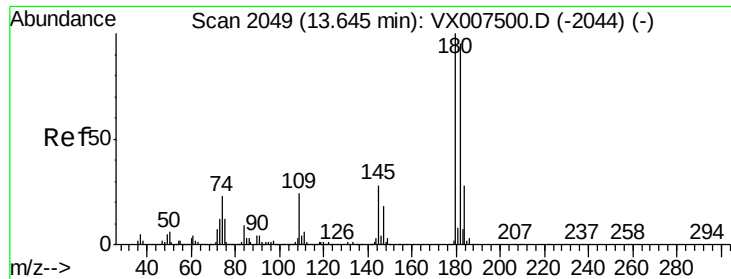
MMDadoda
 2/25/2019 9:47:37 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.007 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24859		
155	104.9	81.0	121.6	
157	130.1	103.2	154.8	





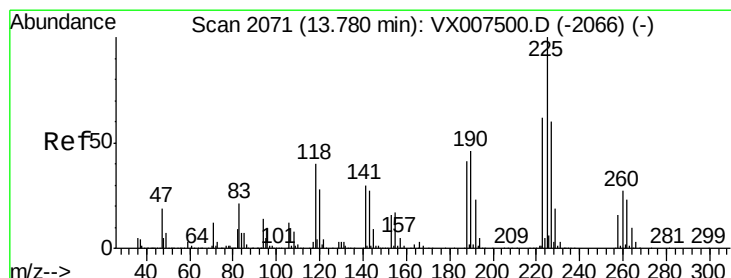
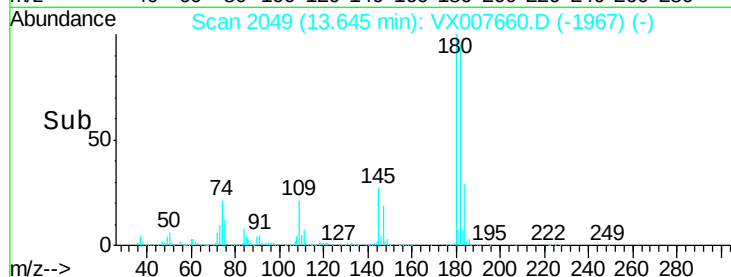
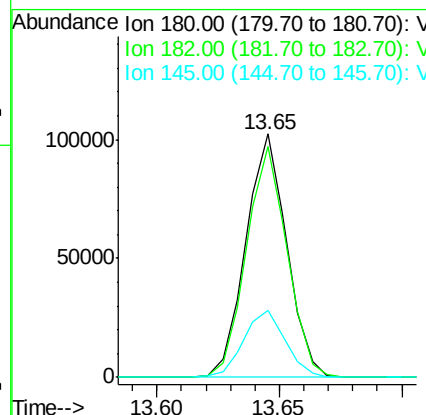
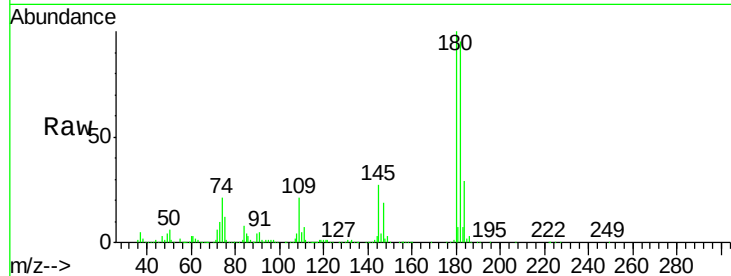
#89
 1,2,4-Trichlorobenzene
 Concen: 19.887 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119291		
182	94.0	75.6	113.4	
145	28.2	23.0	34.6	

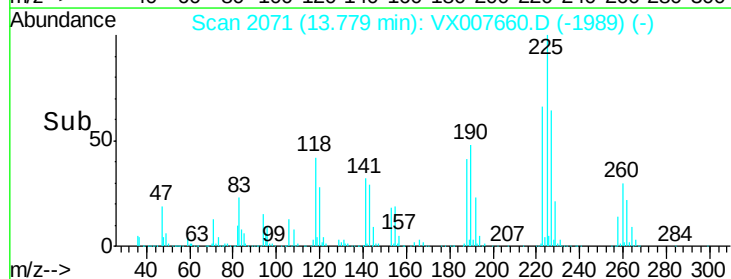
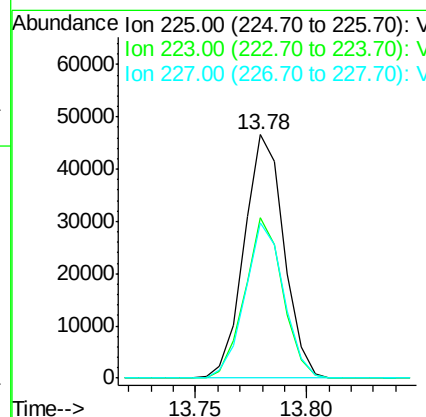
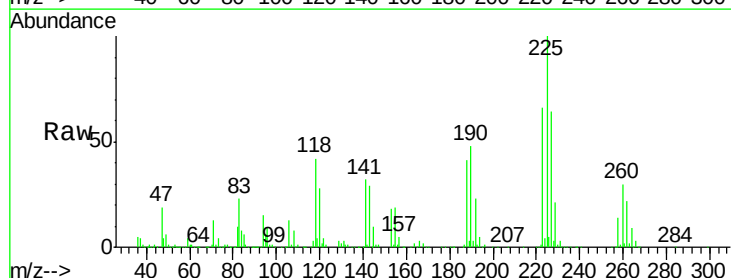
Manual Integrations
 APPROVED

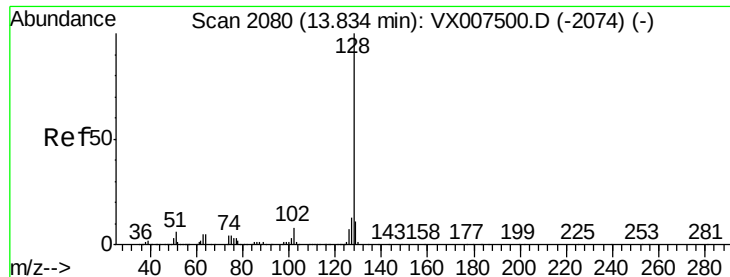
MMDadoda
 2/25/2019 9:47:37 AM



#90
 Hexachlorobutadiene
 Concen: 20.713 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58052		
223	62.5	0.0	123.8	
227	62.2	0.0	124.4	





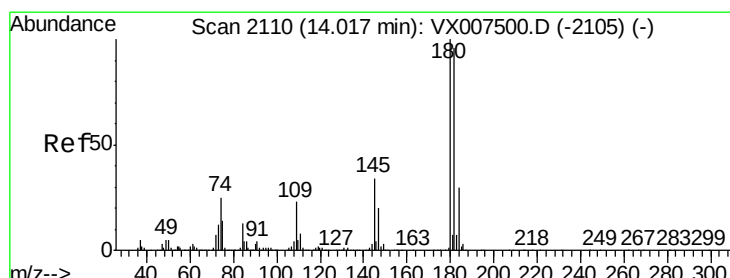
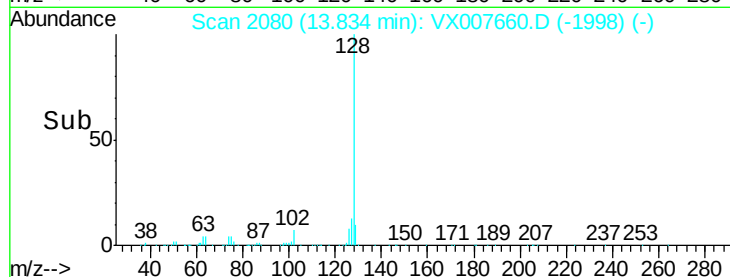
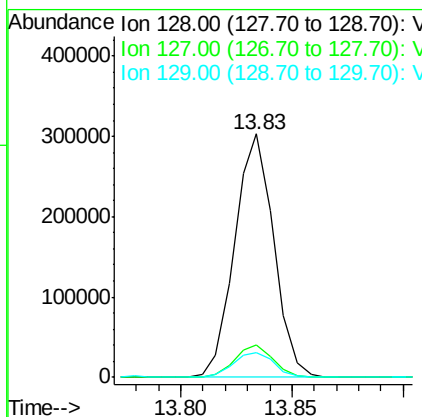
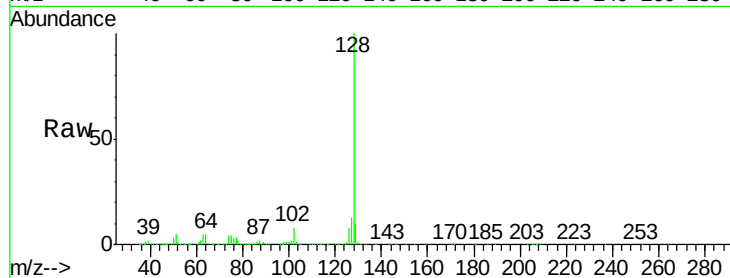
#91
Naphthalene
Concen: 19.315 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:37 AM



#92
1,2,3-Trichlorobenzene
Concen: 19.807 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	0.0	193.0
145	30.5	0.0	63.0

