

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\
 Data File : VX005090.D
 Acq On : 06 Oct 2018 01:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 2:02:41 PM

Quant Time: Oct 06 06:53:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	303896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	148659	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	5.50	113	130047	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	8.71	98	448117	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.14	95	169428	54.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	147458	50.411	ug/l	99
3) Chloromethane	1.32	50	162044	45.660	ug/l	98
4) Vinyl Chloride	1.40	62	166942	50.155	ug/l	98
5) Bromomethane	1.64	94	110769	56.120	ug/l	97
6) Chloroethane	1.71	64	97707	54.053	ug/l	95
7) Trichlorofluoromethane	1.92	101	218328	52.984	ug/l	94
8) Diethyl Ether	2.19	74	91953	51.366	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	120619	51.387	ug/l	99
10) Methyl Iodide	2.51	142	149844	47.706	ug/l	93
11) Tert butyl alcohol	3.09	59	231745	270.444	ug/l	98
12) 1,1-Dichloroethene	2.37	96	116532	50.130	ug/l	94
13) Acrolein	2.29	56	74867	122.796	ug/l	98
14) Allyl chloride	2.72	41	265474	52.341	ug/l	96
15) Acrylonitrile	3.15	53	497478	263.722	ug/l	96
16) Acetone	2.45	43	458679	256.360	ug/l	99
17) Carbon Disulfide	2.56	76	316989	45.381	ug/l	100
18) Methyl Acetate	2.78	43	306527	67.619	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	460043	57.375	ug/l	92
20) Methylene Chloride	2.85	84	136459	52.498	ug/l #	83
21) trans-1,2-Dichloroethene	3.16	96	124253	48.829	ug/l	89
22) Diisopropyl ether	3.87	45	472972	55.378	ug/l #	95
23) Vinyl Acetate	3.83	43	2052400	262.525	ug/l	100
24) 1,1-Dichloroethane	3.69	63	254792	50.011	ug/l	99
25) 2-Butanone	4.71	43	691540	262.211	ug/l	93
26) 2,2-Dichloropropane	4.58	77	142637	40.205	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	145092	51.040	ug/l	95
28) Bromochloromethane	5.01	49	123176	51.341	ug/l	98
29) Tetrahydrofuran	5.16	42	461757	281.697	ug/l	98
30) Chloroform	5.21	83	241528	50.162	ug/l	100
31) Cyclohexane	5.57	56	204388	52.416	ug/l #	81
32) 1,1,1-Trichloroethane	5.49	97	208979	53.144	ug/l	94
36) 1,1-Dichloropropene	5.80	75	172000	48.947	ug/l	95
37) Ethyl Acetate	4.86	43	240687	51.599	ug/l	99
38) Carbon Tetrachloride	5.78	117	177084	47.940	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100518\
 Data File : VX005090.D
 Acq On : 06 Oct 2018 01:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 2:02:41 PM

Quant Time: Oct 06 06:53:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	188807	52.619	ug/l #	86
40) Benzene	6.14	78	538341	48.934	ug/l	95
41) Methacrylonitrile	5.06	41	138980	53.726	ug/l	97
42) 1,2-Dichloroethane	6.20	62	190578	49.003	ug/l	98
43) Isopropyl Acetate	6.46	43	359011	53.325	ug/l	98
44) Trichloroethene	7.21	130	137752	50.935	ug/l	95
45) 1,2-Dichloropropane	7.52	63	140278	51.996	ug/l	98
46) Dibromomethane	7.66	93	89897	53.021	ug/l	99
47) Bromodichloromethane	7.90	83	174020	54.819	ug/l	97
48) Methyl methacrylate	7.78	41	179789	58.835	ug/l	100
49) 1,4-Dioxane	7.76	88	80595	1061.609	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1232037	290.636	ug/l	99
52) Toluene	8.79	92	317967	52.600	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	187336	52.223	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	202772	53.967	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	136684	51.619	ug/l	96
56) Ethyl methacrylate	9.18	69	215752	50.199	ug/l	97
57) 1,3-Dichloropropane	9.37	76	227101	51.532	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	578147	253.206	ug/l	99
59) 2-Hexanone	9.50	43	988548	279.842	ug/l	95
60) Dibromochloromethane	9.59	129	140918	53.214	ug/l	100
61) 1,2-Dibromoethane	9.68	107	140936	49.699	ug/l	95
64) Tetrachloroethene	9.34	164	149115	51.287	ug/l	95
65) Chlorobenzene	10.14	112	362344	47.833	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	134346	50.447	ug/l	99
67) Ethyl Benzene	10.26	91	618927	51.463	ug/l	96
68) m/p-Xylenes	10.36	106	480935	102.335	ug/l	95
69) o-Xylene	10.70	106	232047	53.757	ug/l	99
70) Styrene	10.71	104	395934	49.083	ug/l	99
71) Bromoform	10.86	173	117885	51.705	ug/l	97
73) Isopropylbenzene	11.02	105	634941	54.350	ug/l	100
74) N-amyl acetate	10.90	43	313075	48.800	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	226615	47.653	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	208933m	50.295	ug/l	
77) Bromobenzene	11.26	156	169394	49.921	ug/l	100
78) n-propylbenzene	11.36	91	726040	54.165	ug/l	99
79) 2-Chlorotoluene	11.42	91	436786	52.278	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	540835	50.513	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	61147	40.537	ug/l	99
82) 4-Chlorotoluene	11.51	91	515472	52.416	ug/l	99
83) tert-Butylbenzene	11.77	119	529958	55.098	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	558293	50.562	ug/l	99
85) sec-Butylbenzene	11.94	105	650500	55.524	ug/l	100
86) p-Isopropyltoluene	12.07	119	581905	54.822	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	314085	49.570	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	320270	48.965	ug/l	99
89) n-Butylbenzene	12.39	91	511977	53.110	ug/l	99
90) Hexachloroethane	12.60	117	93364	52.829	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	321607	48.570	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55929	53.564	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\
Data File : VX005090.D
Acq On : 06 Oct 2018 01:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

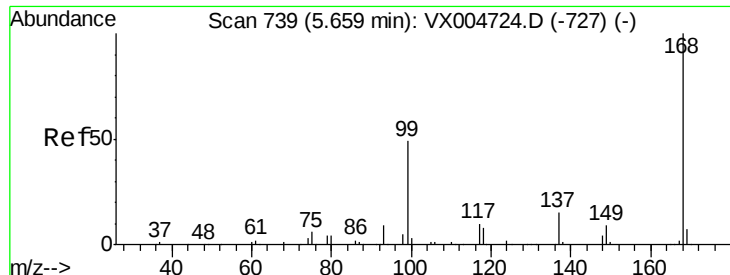
Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM

Quant Time: Oct 06 06:53:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	243783	52.484	ug/l	99
94) Hexachlorobutadiene	13.79	225	120341	49.962	ug/l	100
95) Naphthalene	13.83	128	782003	50.714	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	251678	52.452	ug/l	100

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



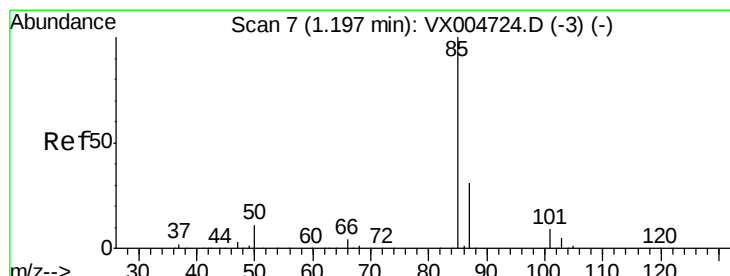
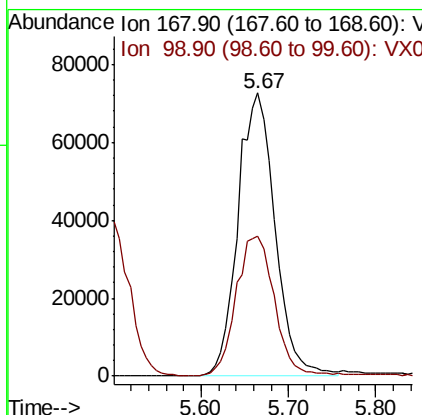
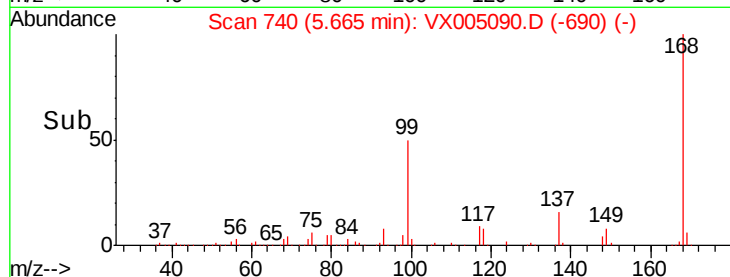
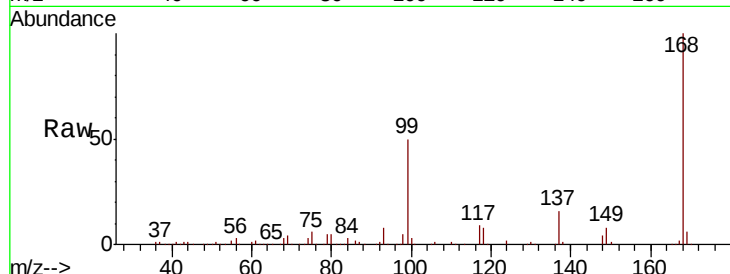
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.5	39.3	58.9

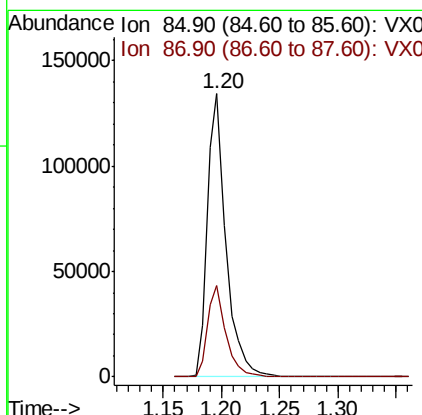
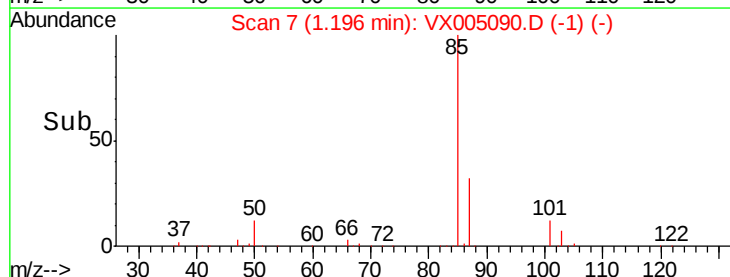
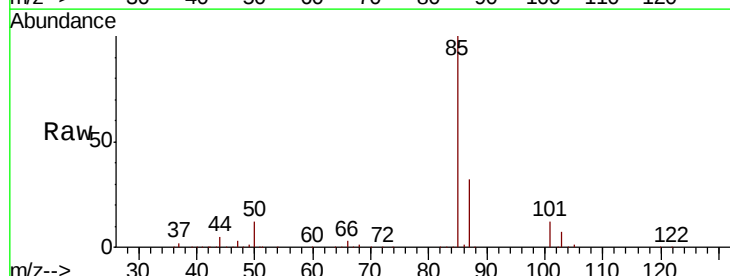
Manual Integrations
APPROVED

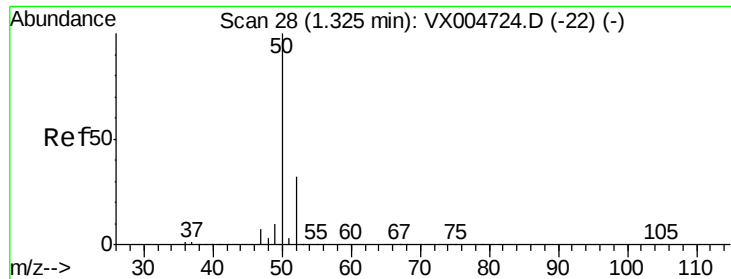
MMDadoda
10/8/2018 2:02:41 PM



#2
Dichlorodifluoromethane
Concen: 50.411 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.7	47.1





#3

Chloromethane

Concen: 45.660 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 162044

Ion Ratio Lower Upper

50 100

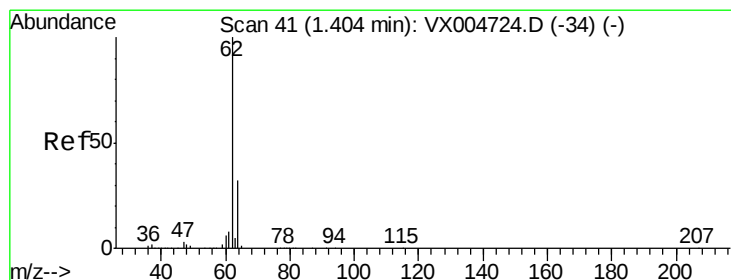
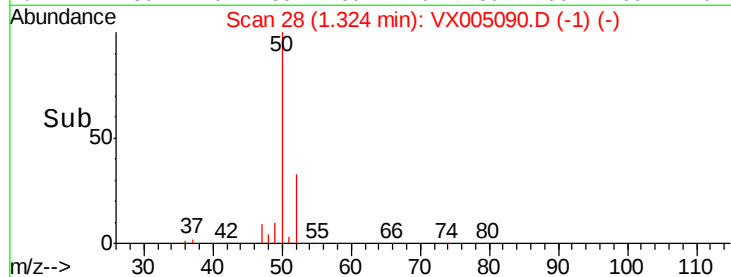
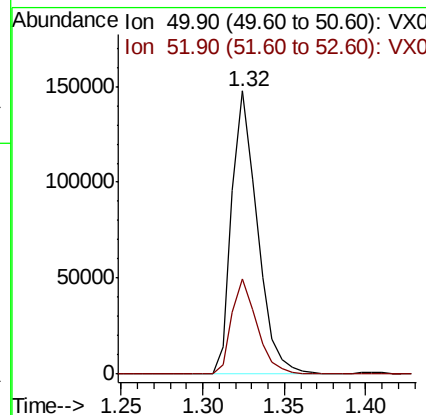
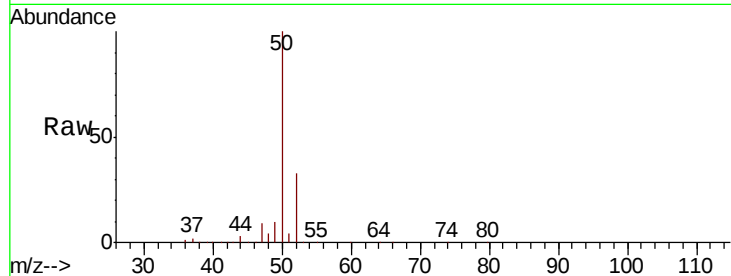
52 33.5 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/8/2018 2:02:41 PM



#4

Vinyl Chloride

Concen: 50.155 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005090.D

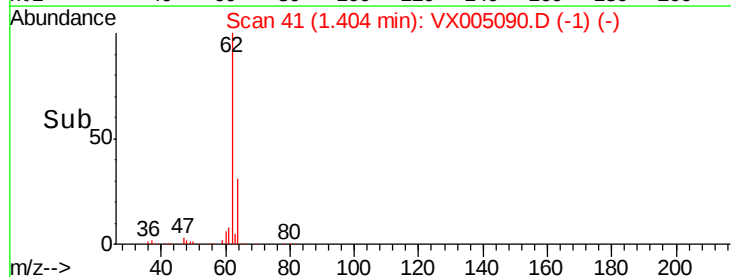
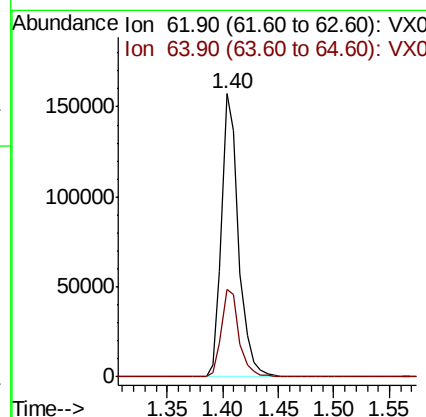
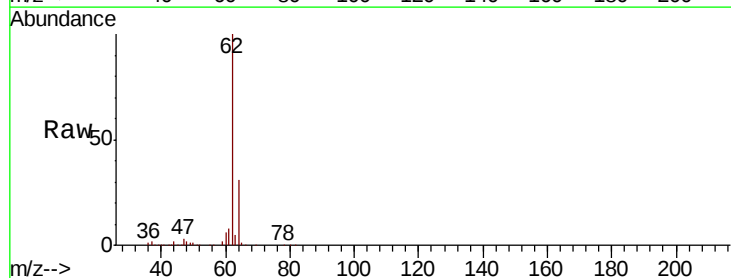
Acq: 06 Oct 2018 01:59

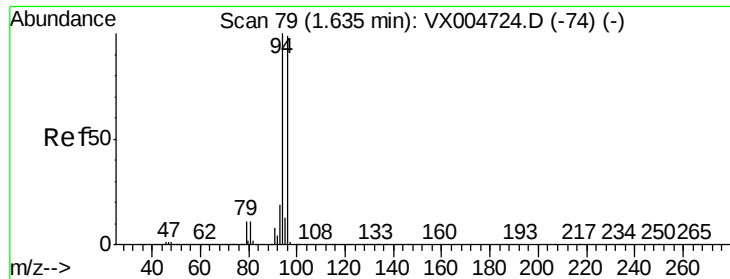
Tgt Ion: 62 Resp: 166942

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3





#5

Bromomethane

Concen: 56.120 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 110769

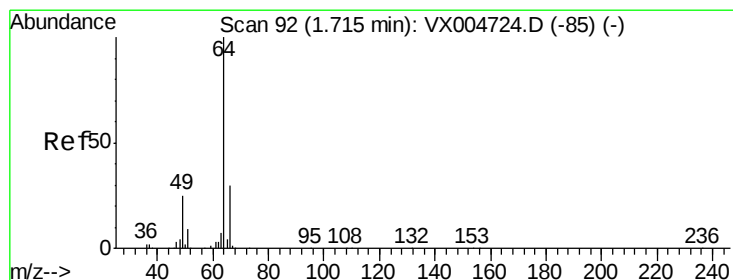
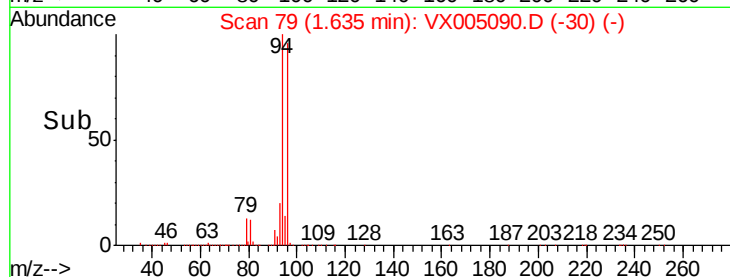
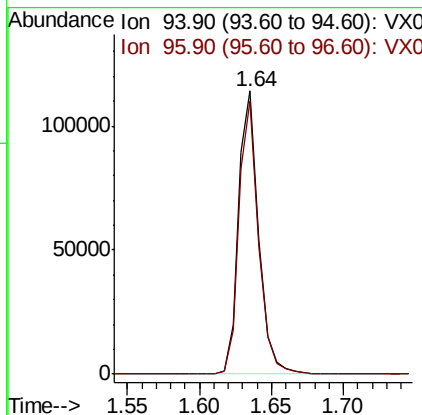
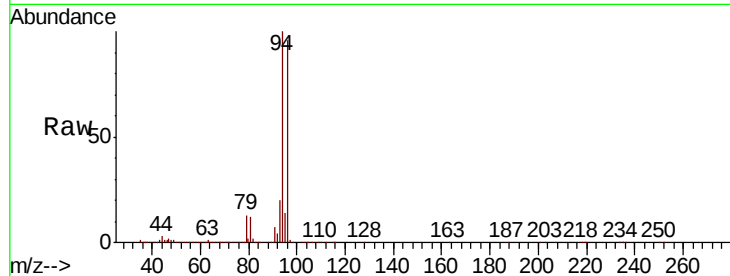
Ion Ratio Lower Upper

94 100

96 96.3 79.5 119.3

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM



#6

Chloroethane

Concen: 54.053 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005090.D

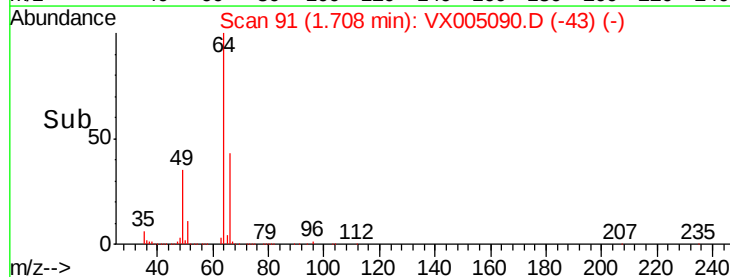
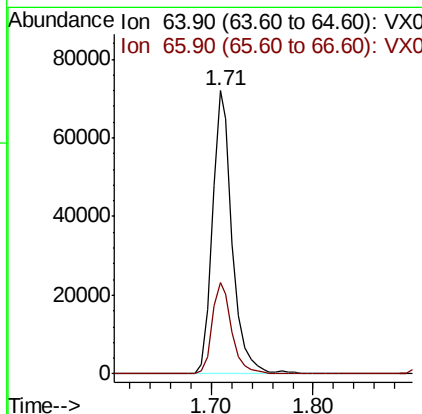
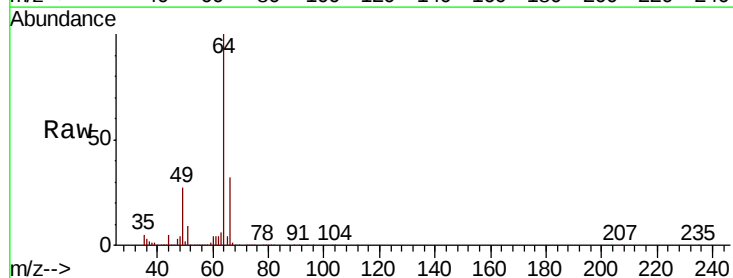
Acq: 06 Oct 2018 01:59

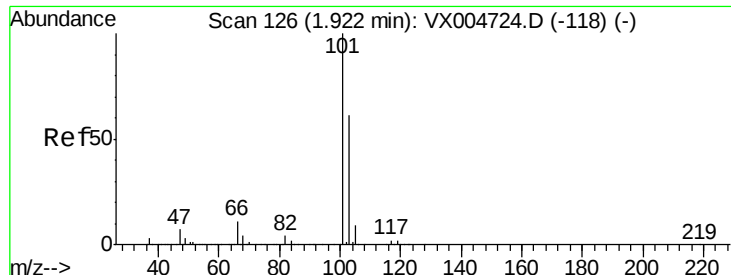
Tgt Ion: 64 Resp: 97707

Ion Ratio Lower Upper

64 100

66 32.5 23.8 35.6





#7

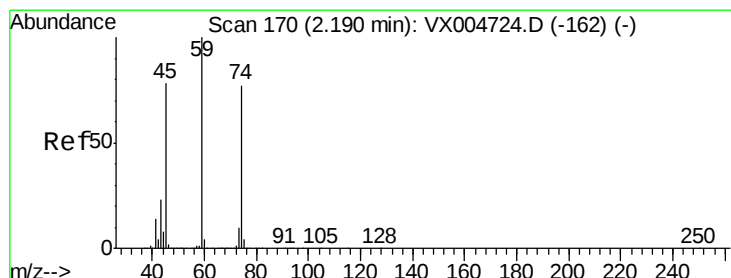
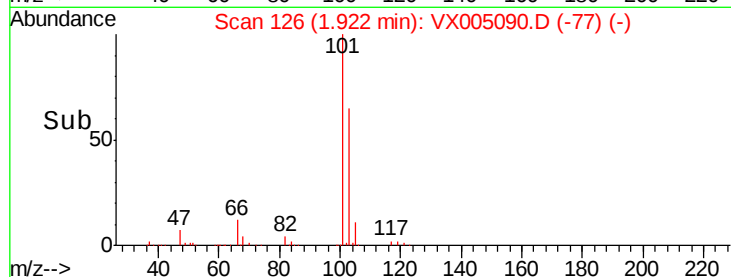
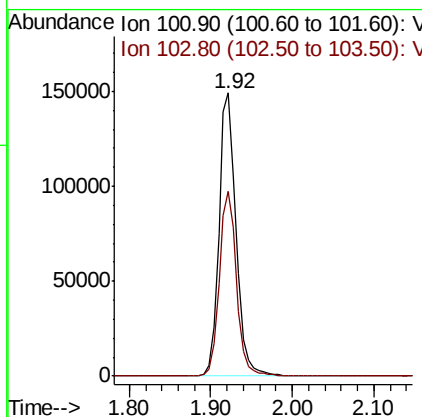
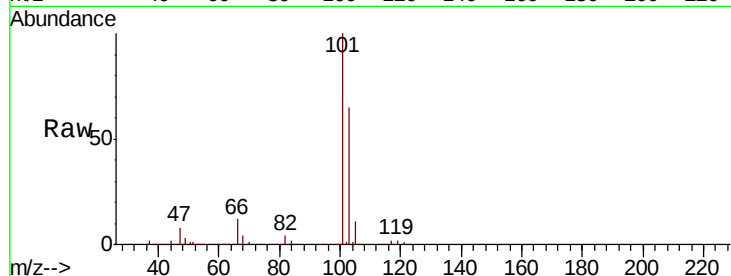
Trichlorofluoromethane
 Concen: 52.984 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	48.4	72.6

Manual Integrations
 APPROVED

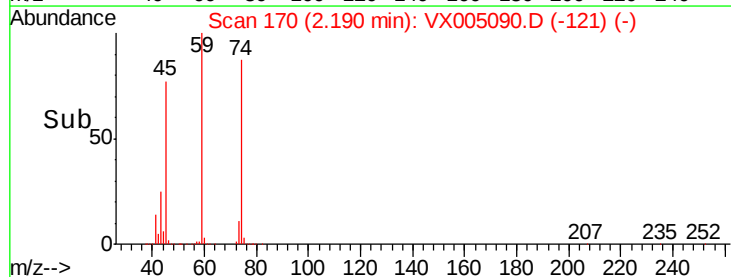
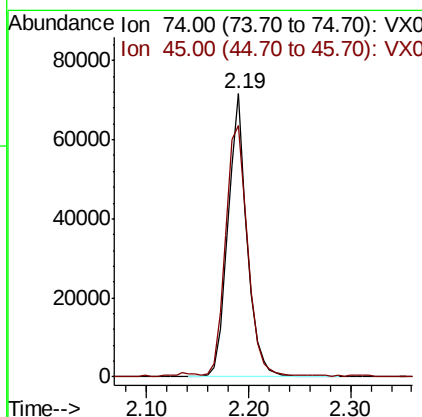
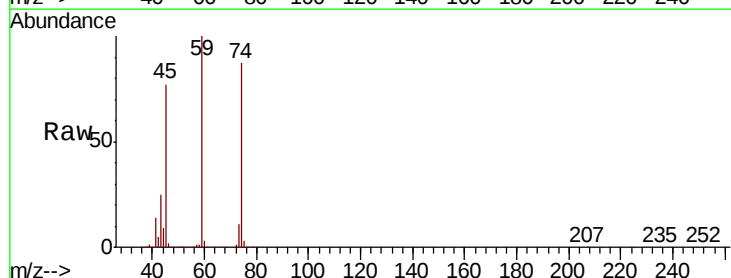
MMDadoda
 10/8/2018 2:02:41 PM

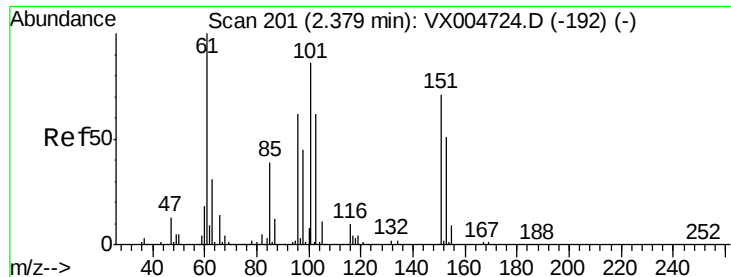


#8

Diethyl Ether
 Concen: 51.366 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.387 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

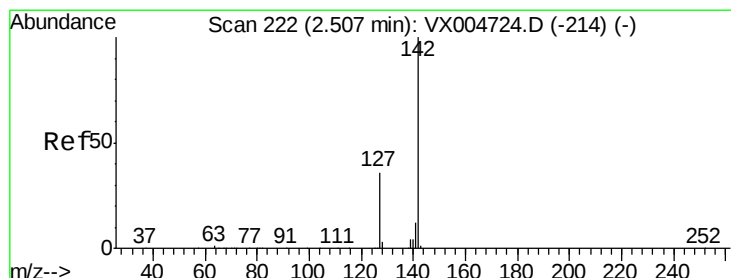
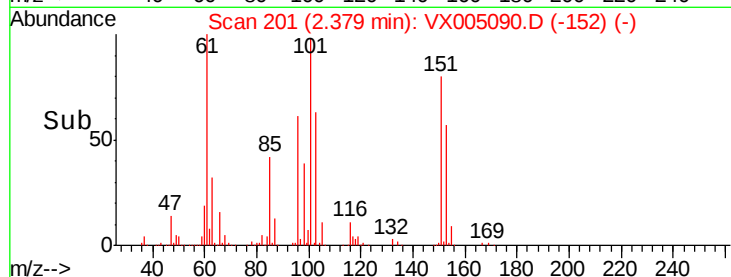
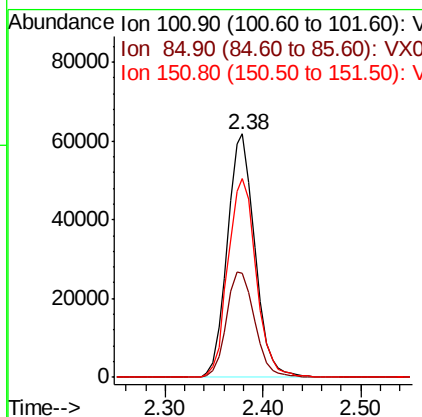
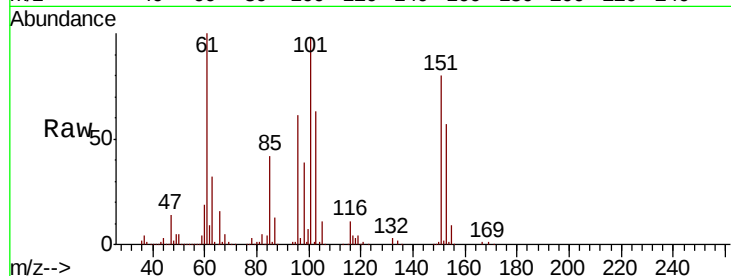
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	120619
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.9	53.9
151	83.8	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM



#10

Methyl Iodide

Concen: 47.706 ug/l

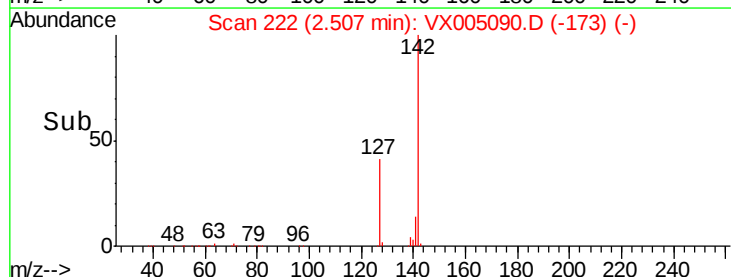
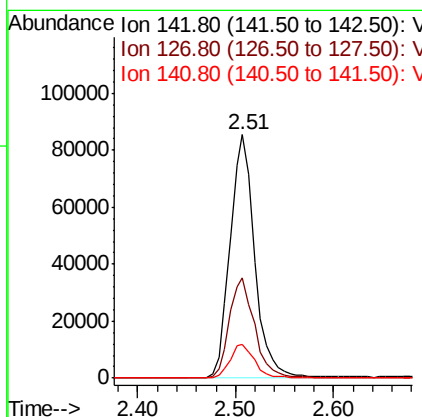
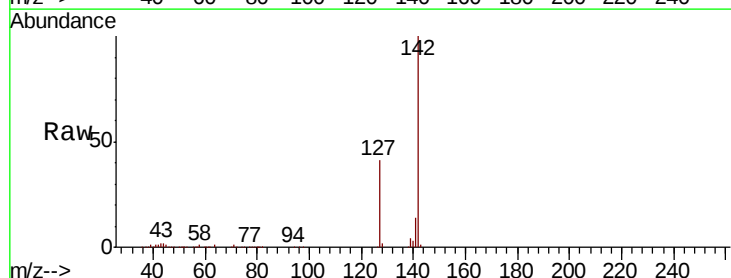
RT: 2.51 min Scan# 222

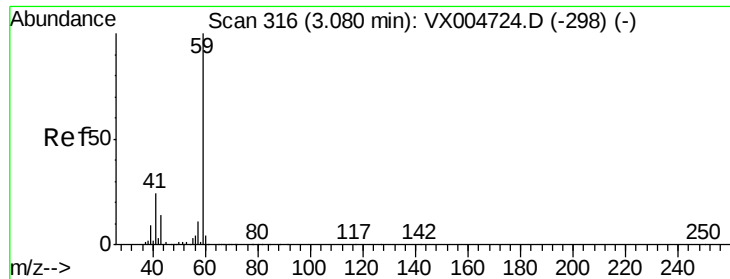
Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Tgt Ion:	142	Resp:	149844
Ion Ratio	Lower	Upper	
142	100		
127	42.2	30.1	45.1
141	14.0	10.1	15.1





#11

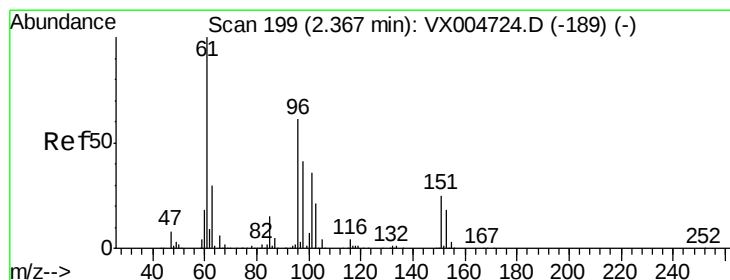
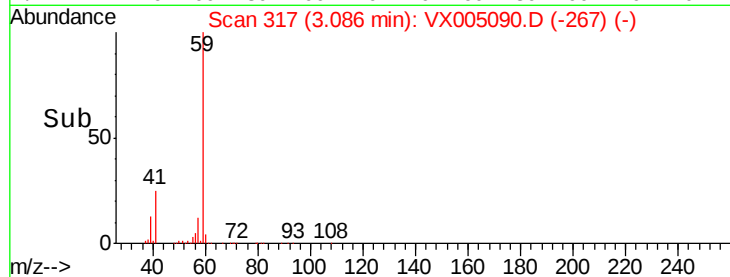
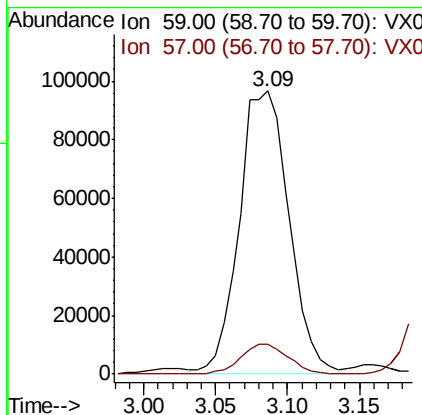
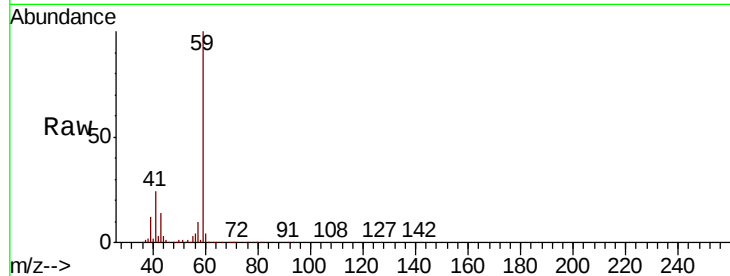
Tert butyl alcohol
 Concen: 270.444 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

Manual Integrations
 APPROVED

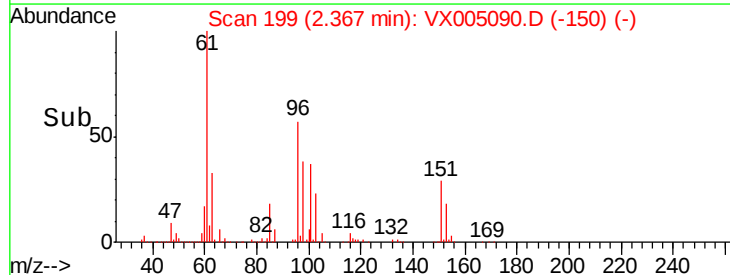
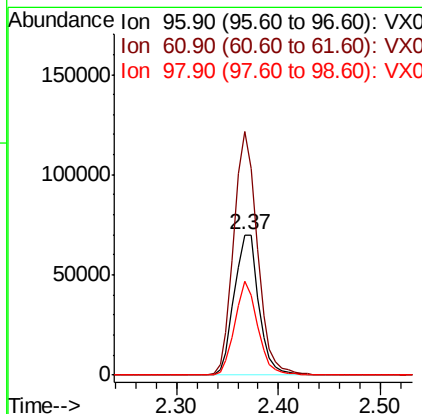
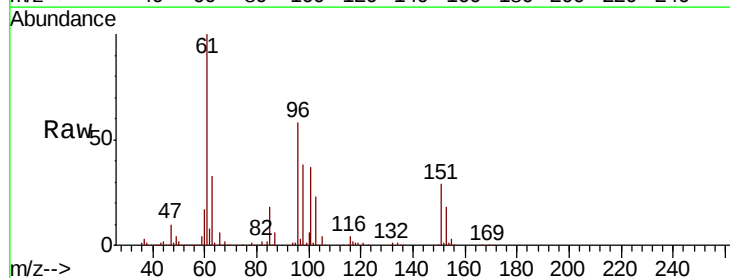
MMDadoda
 10/8/2018 2:02:41 PM

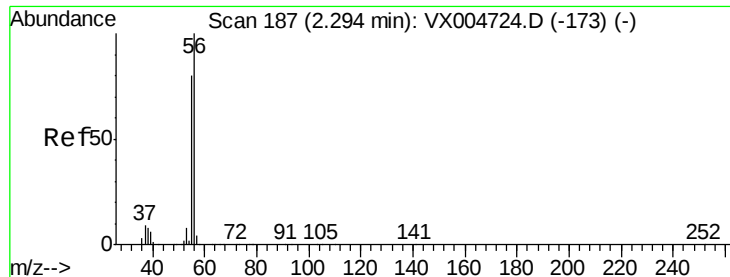


#12

1,1-Dichloroethene
 Concen: 50.130 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.7	130.2	195.4
98	66.8	53.4	80.0





#13

Acrolein

Concen: 122.796 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 74867

Ion Ratio Lower Upper

56 100

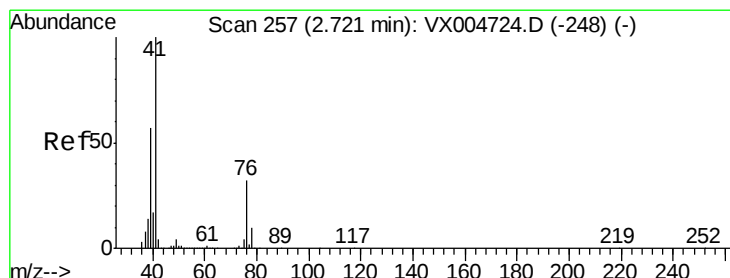
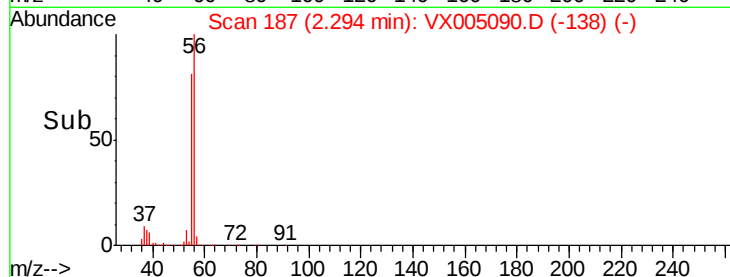
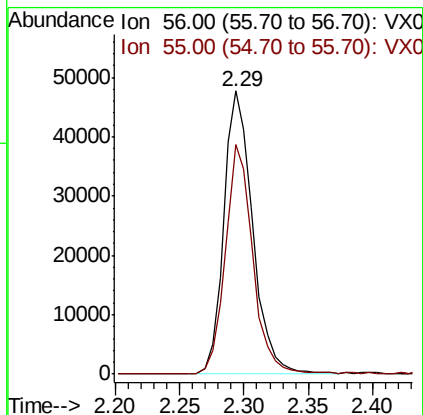
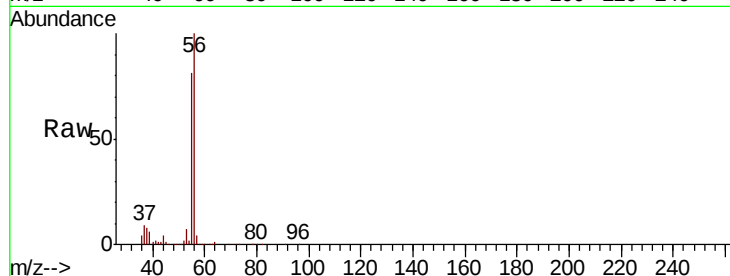
55 77.7 63.4 95.2

Manual Integrations

APPROVED

MMDadoda

10/8/2018 2:02:41 PM



#14

Allyl chloride

Concen: 52.341 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

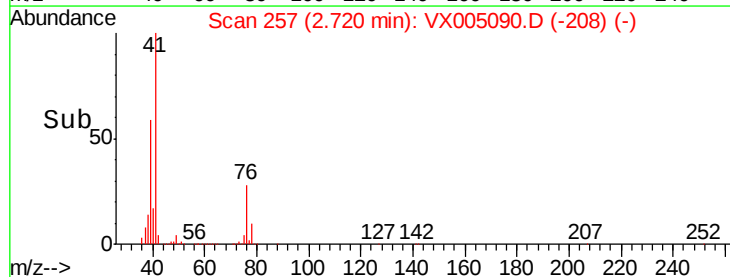
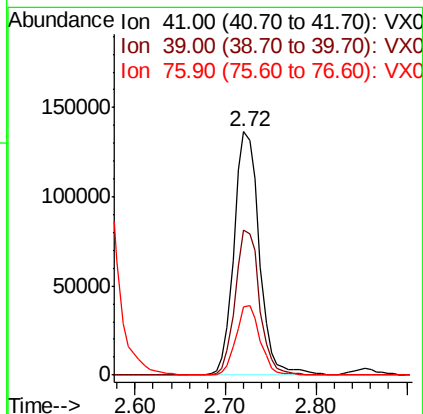
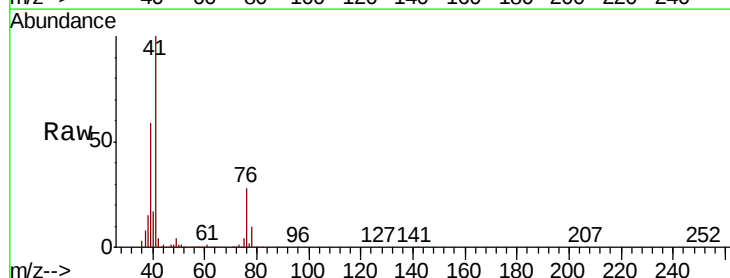
Tgt Ion: 41 Resp: 265474

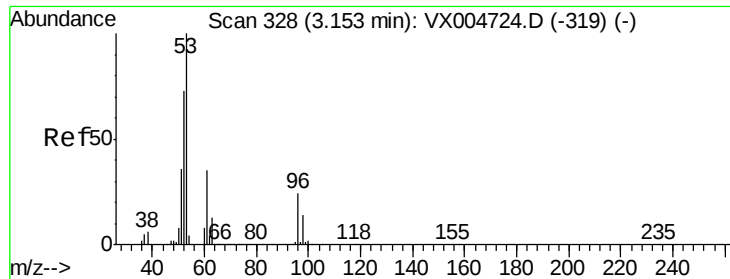
Ion Ratio Lower Upper

41 100

39 57.0 44.1 66.1

76 27.2 25.0 37.4





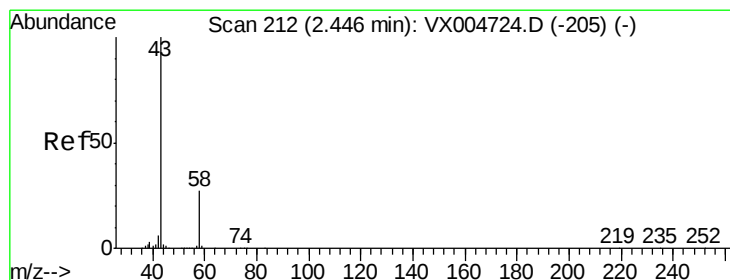
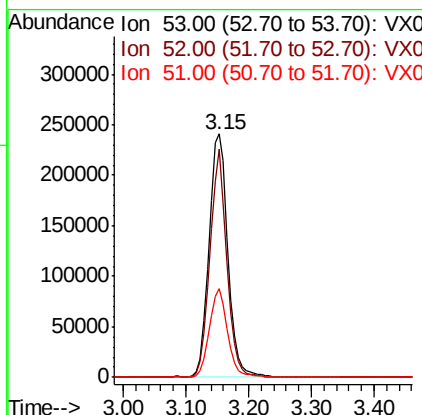
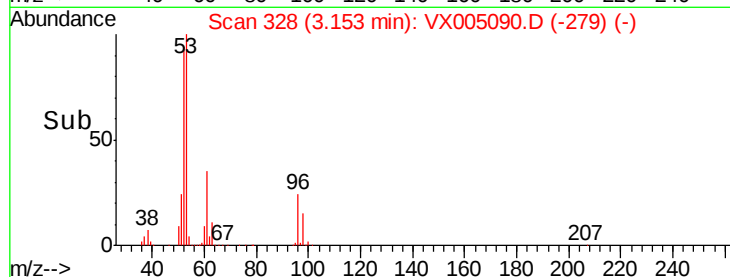
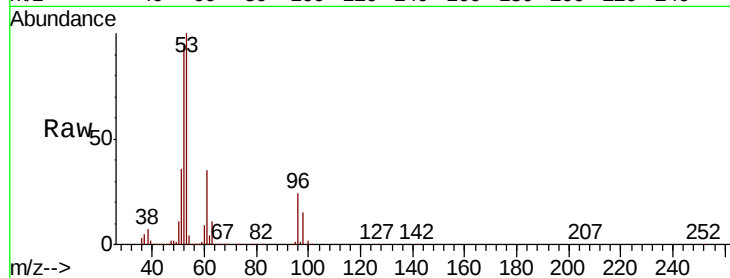
#15
 Acrylonitrile
 Concen: 263.722 ug/l
 RT: 3.15 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	497478
Ion Ratio	Lower	Upper	
53	100		
52	83.9	63.0	94.4
51	35.5	28.6	42.8

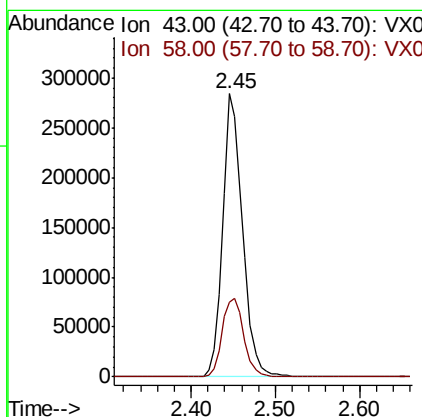
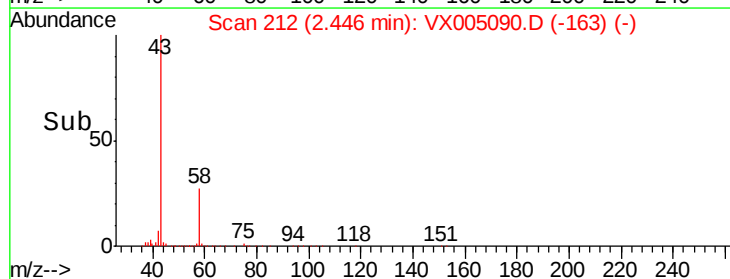
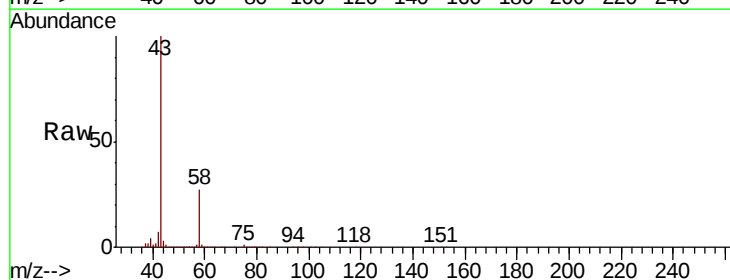
Manual Integrations
 APPROVED

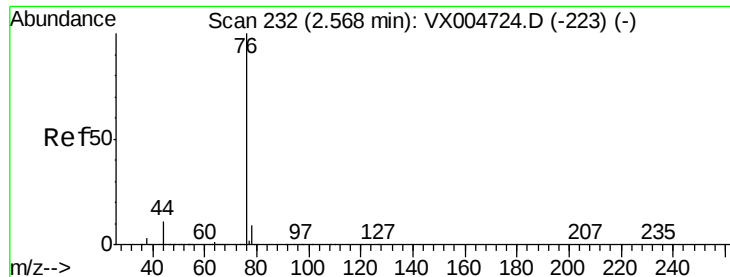
MMDadoda
 10/8/2018 2:02:41 PM



#16
 Acetone
 Concen: 256.360 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Tgt Ion:	43	Resp:	458679
Ion Ratio	Lower	Upper	
43	100		
58	26.6	21.8	32.6





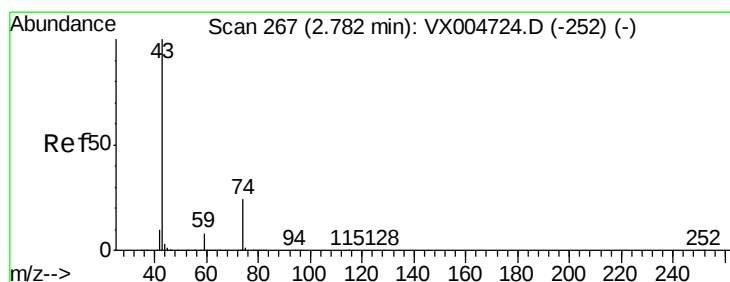
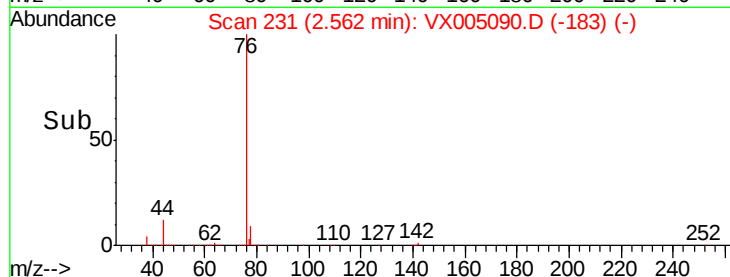
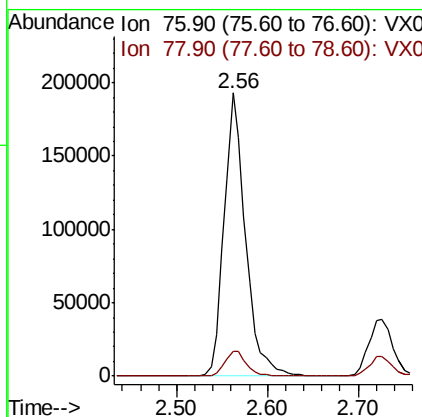
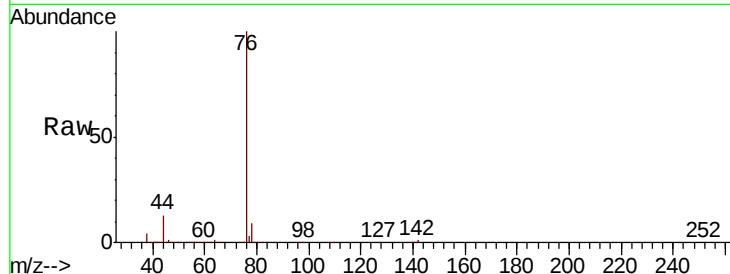
#17
Carbon Disulfide
Concen: 45.381 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

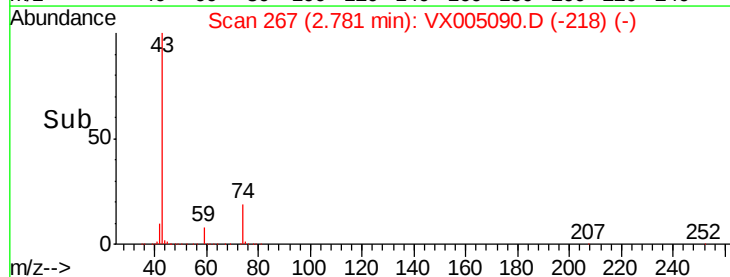
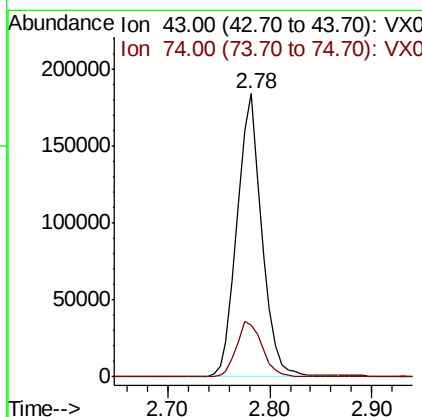
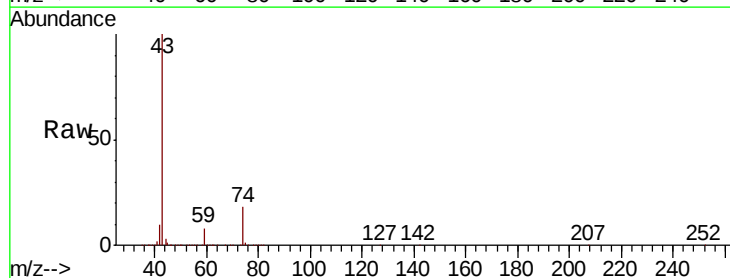
Manual Integrations
APPROVED

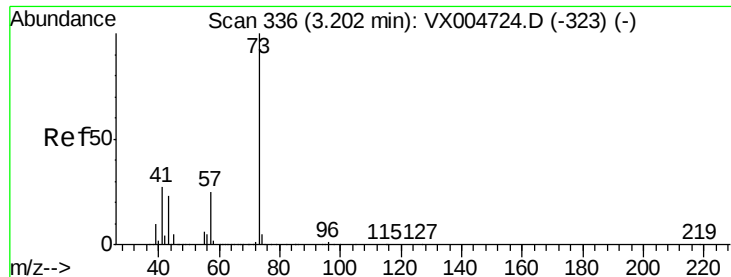
MMDadoda
10/8/2018 2:02:41 PM



#18
Methyl Acetate
Concen: 67.619 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	17.8	26.8





#19

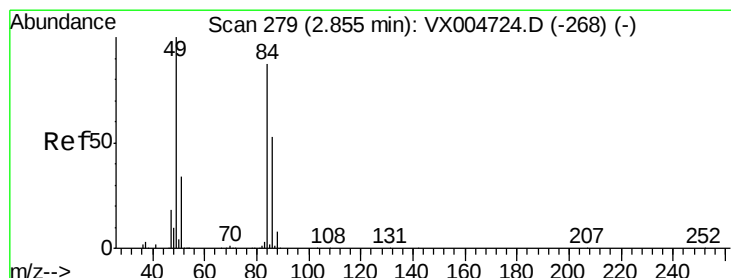
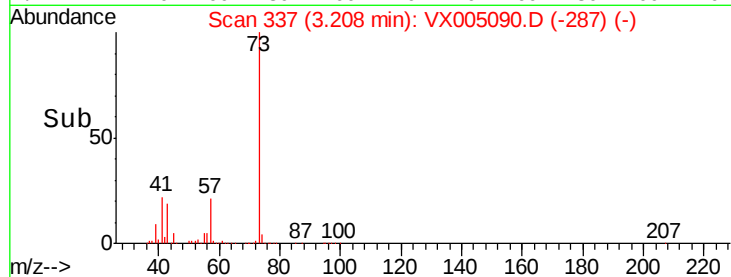
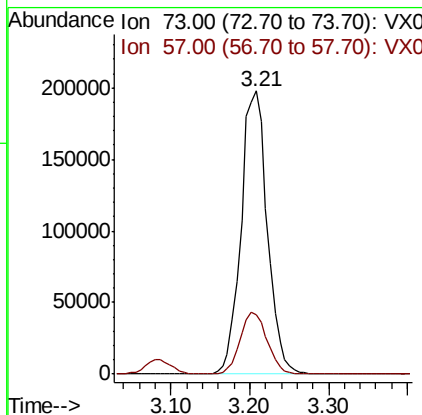
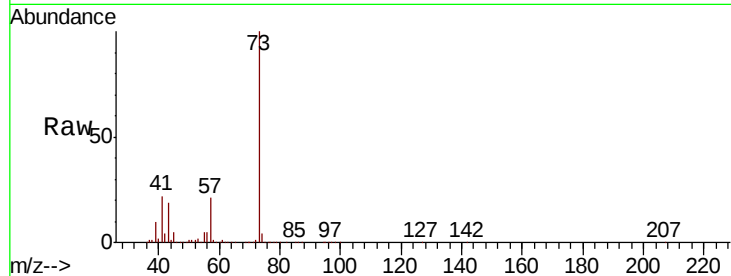
Methyl tert-butyl Ether
 Concen: 57.375 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	19.9	29.9

Manual Integrations
 APPROVED

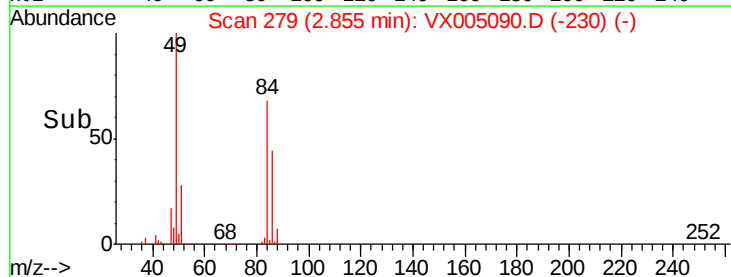
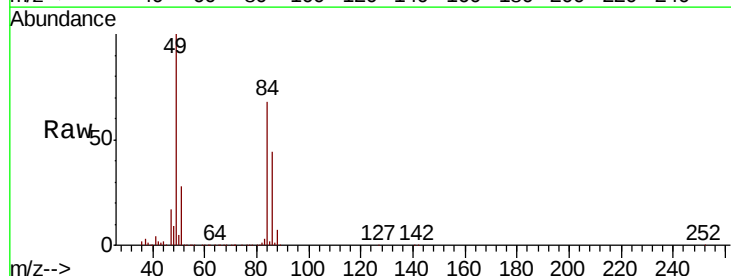
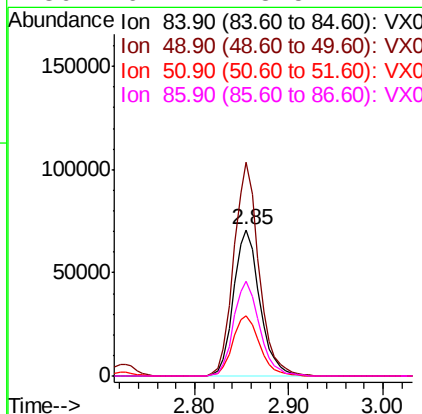
MMDadoda
 10/8/2018 2:02:41 PM

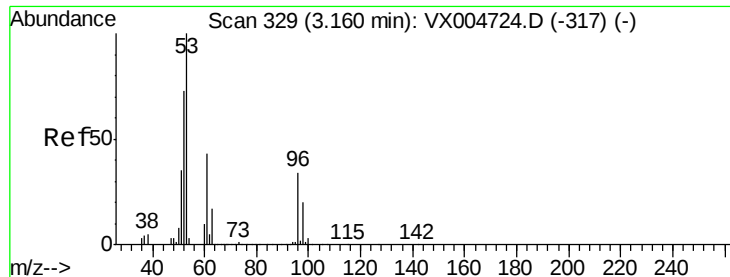


#20

Methylene Chloride
 Concen: 52.498 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.1	92.3	138.5#
51	41.2	31.8	47.6
86	64.7	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 48.829 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 124253

Ion Ratio Lower Upper

96 100

61 144.8 101.0 151.6

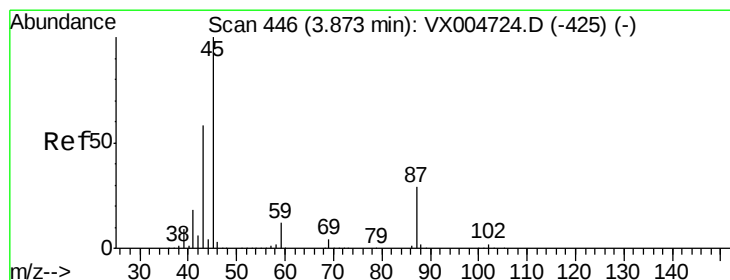
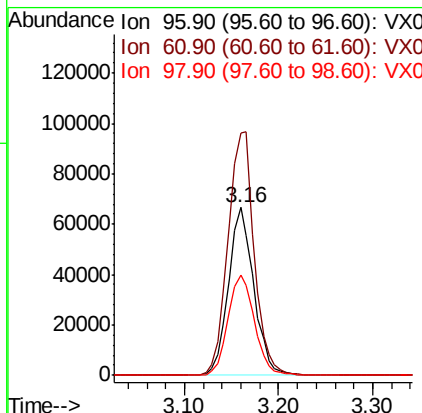
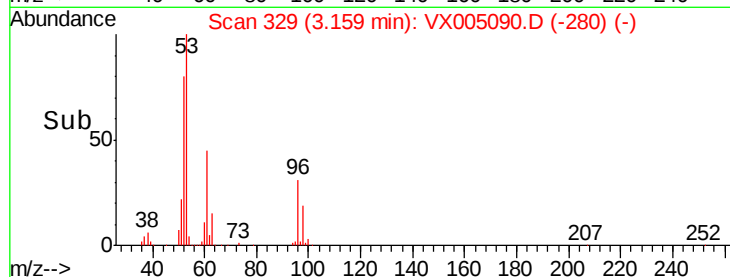
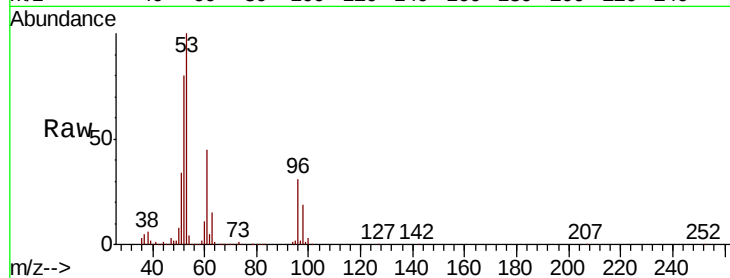
98 60.0 47.2 70.8

Manual Integrations

APPROVED

MMDadoda

10/8/2018 2:02:41 PM



#22

Diisopropyl ether

Concen: 55.378 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Tgt Ion: 45 Resp: 472972

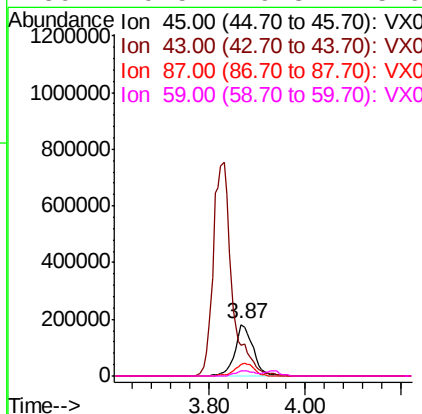
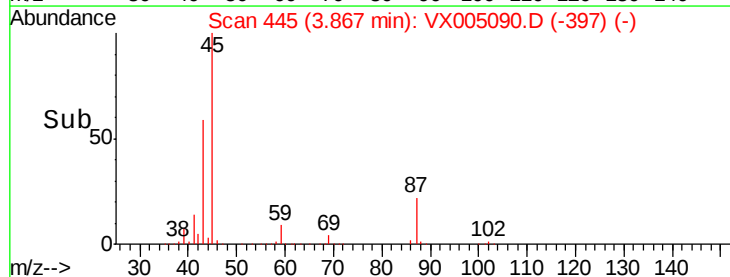
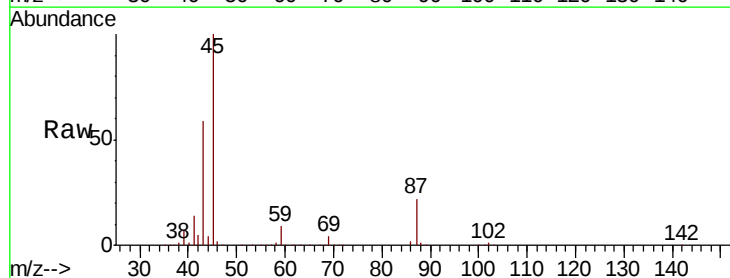
Ion Ratio Lower Upper

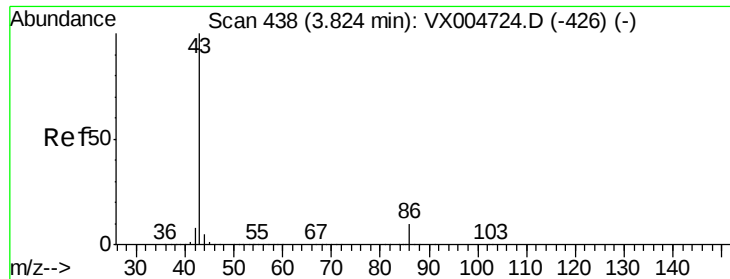
45 100

43 58.9 46.7 70.1

87 21.9 22.9 34.3#

59 9.5 9.3 13.9





#23

Vinyl Acetate

Concen: 262.525 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2052400

Ion Ratio Lower Upper

43 100

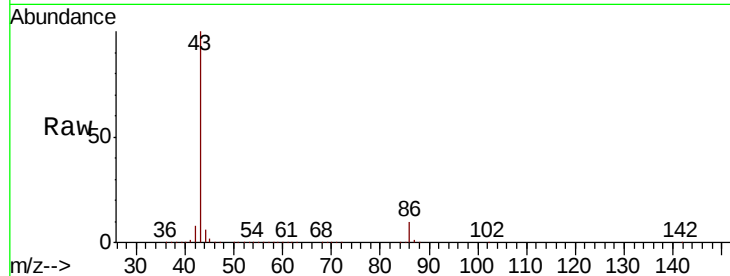
86 10.0 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

10/8/2018 2:02:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

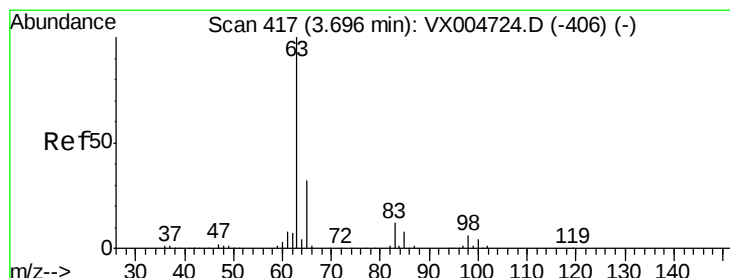
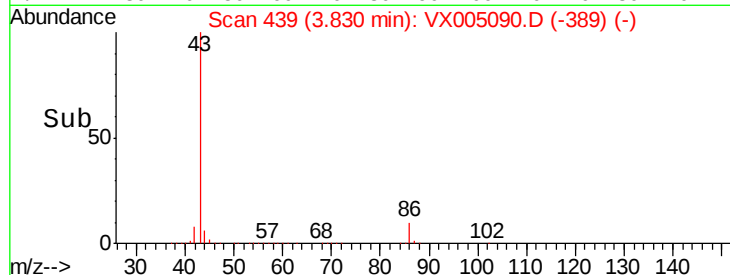
400000

200000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.011 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

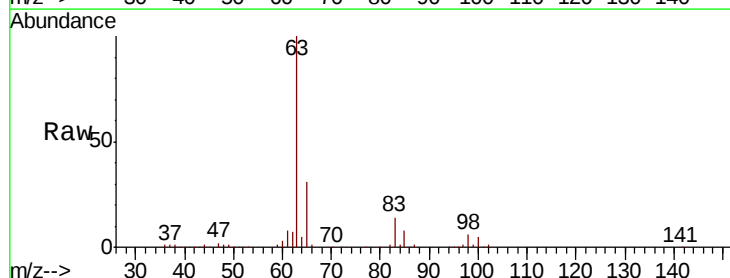
Tgt Ion: 63 Resp: 254792

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

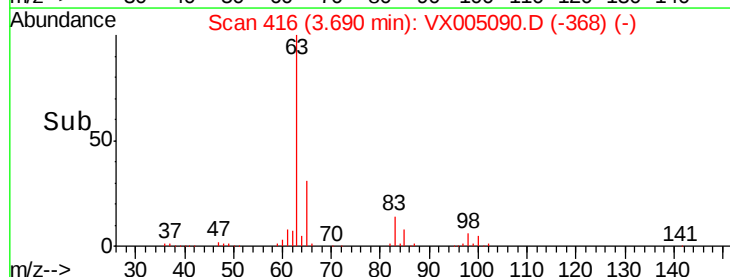
100000

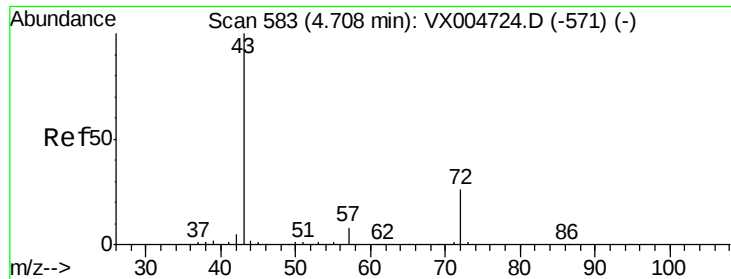
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 262.211 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 691540

Ion Ratio Lower Upper

43 100

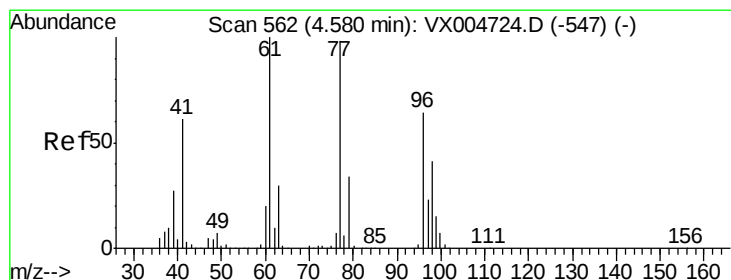
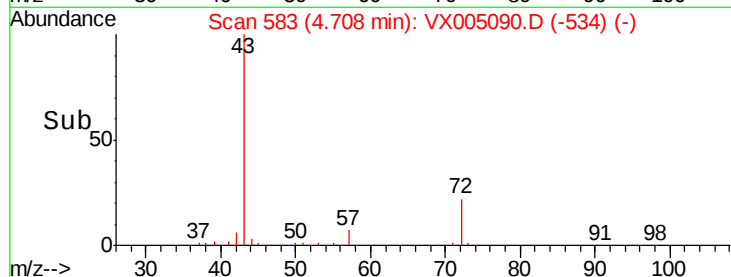
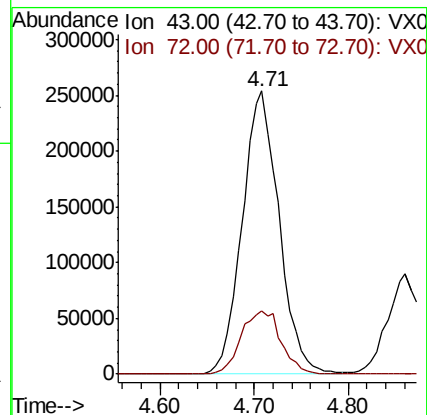
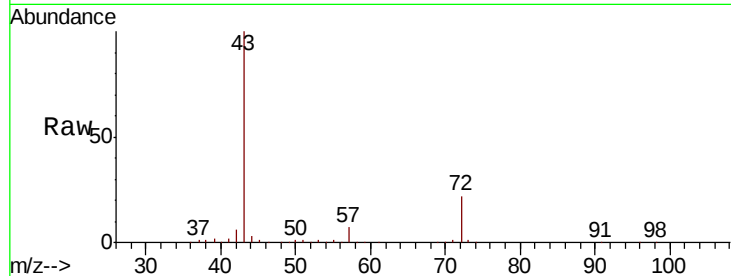
72 22.5 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

10/8/2018 2:02:41 PM



#26

2,2-Dichloropropane

Concen: 40.205 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005090.D

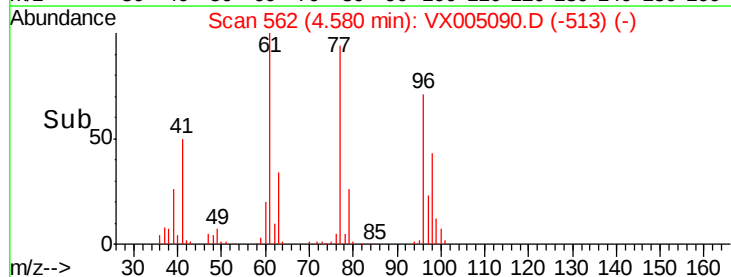
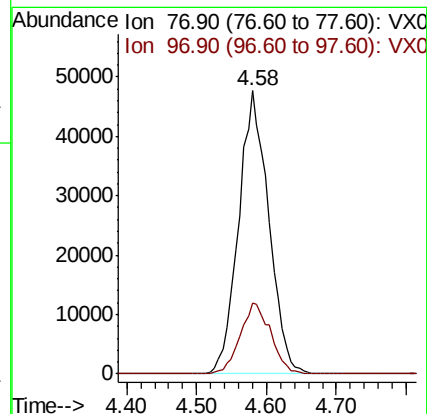
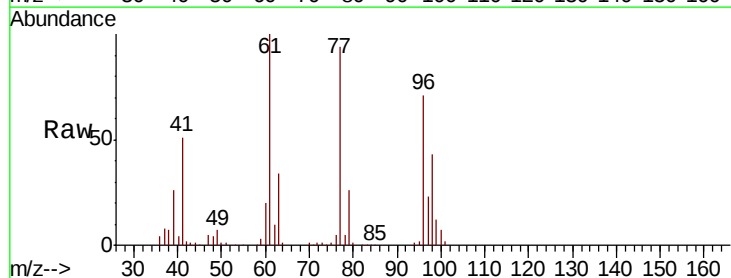
Acq: 06 Oct 2018 01:59

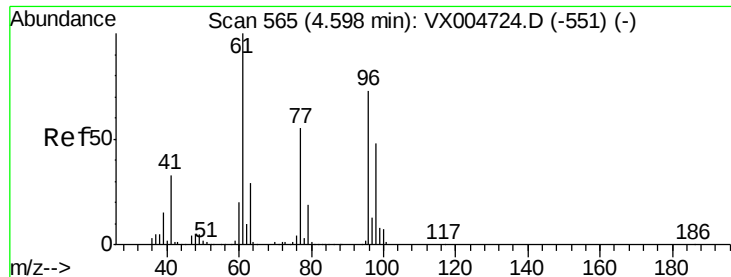
Tgt Ion: 77 Resp: 142637

Ion Ratio Lower Upper

77 100

97 25.3 12.6 37.8





#27

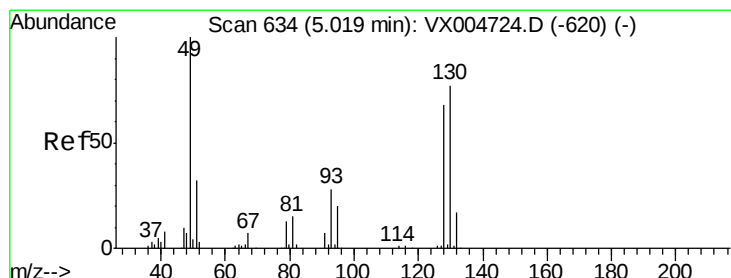
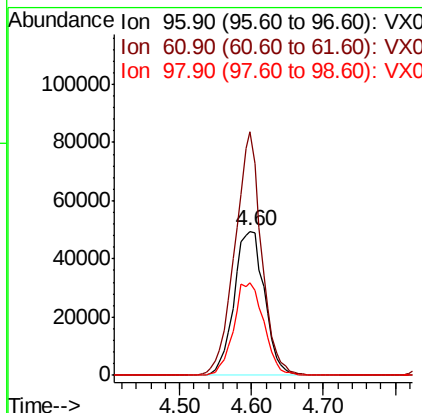
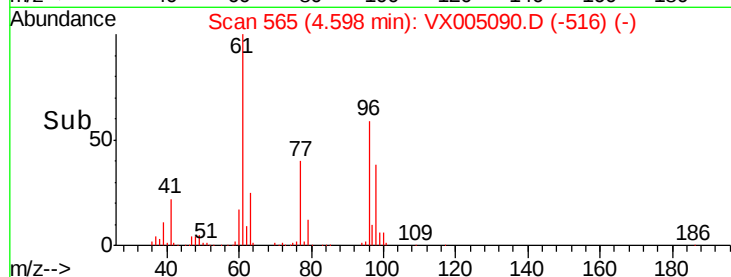
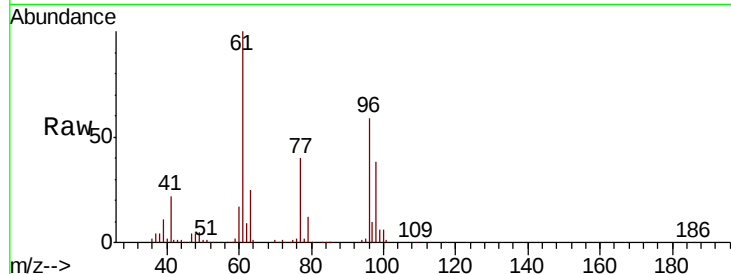
cis-1,2-Dichloroethene
Concen: 51.040 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	145092		
61	148.1	0.0	285.8	
98	63.6	0.0	136.2	

Manual Integrations
APPROVED

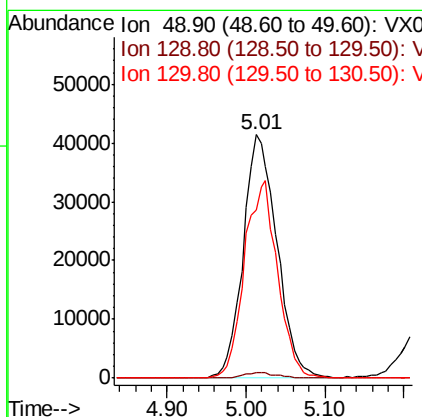
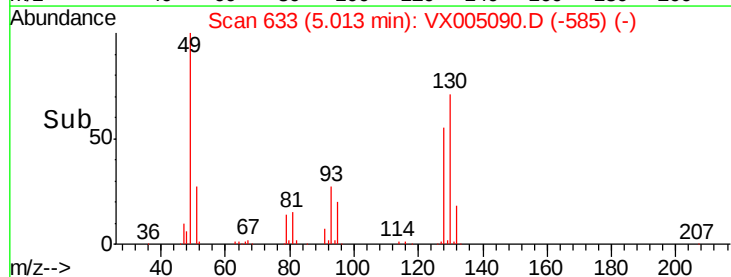
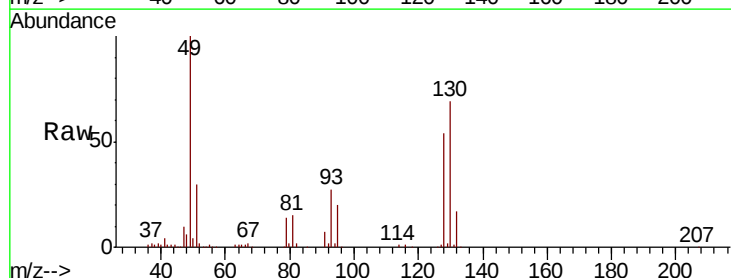
MMDadoda
10/8/2018 2:02:41 PM

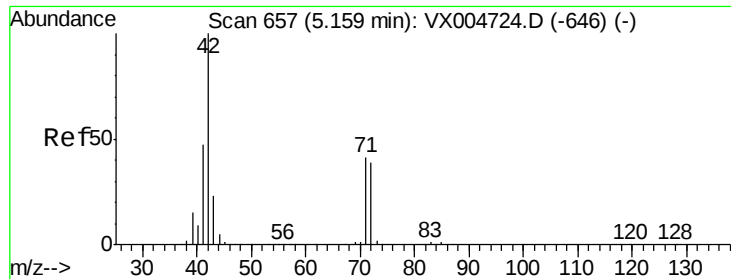


#28

Bromochloromethane
Concen: 51.341 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	123176		
129	2.2	0.0	4.2	
130	79.3	62.0	93.0	





#29

Tetrahydrofuran

Concen: 281.697 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

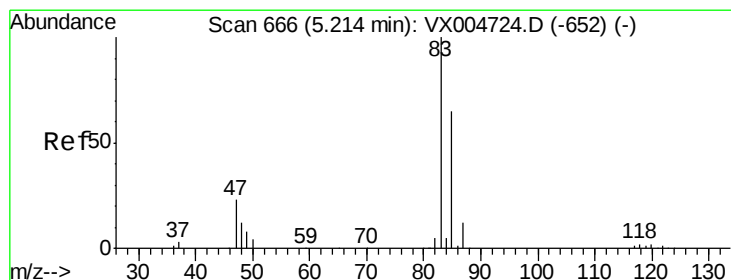
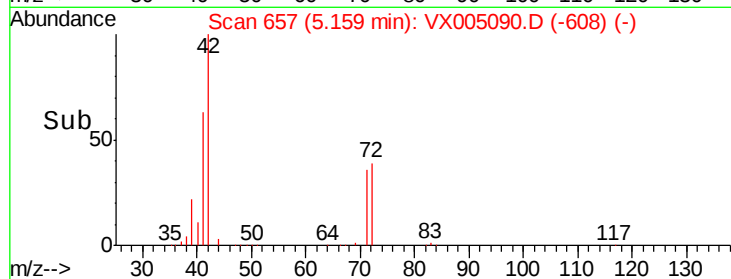
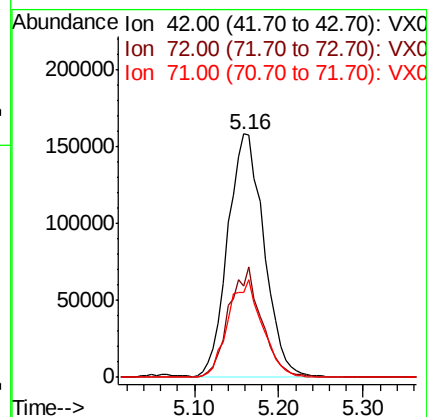
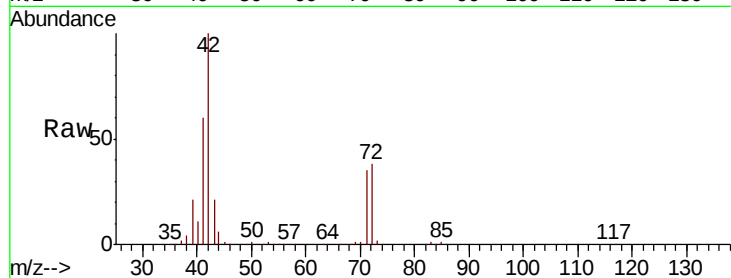
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	461757
Ion Ratio	Lower	Upper	
42	100		
72	41.3	33.7	50.5
71	38.5	32.2	48.4

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM



#30

Chloroform

Concen: 50.162 ug/l

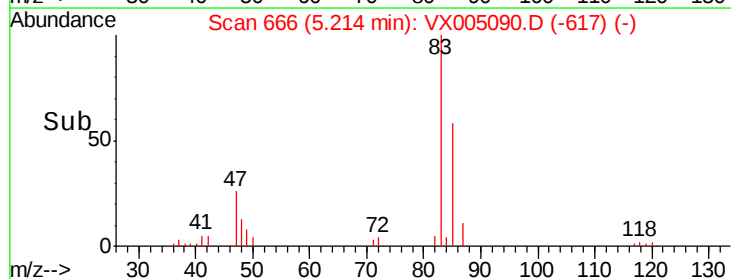
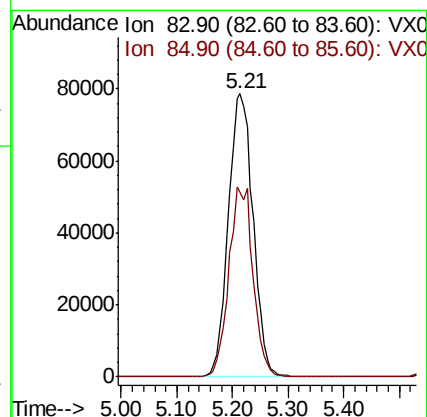
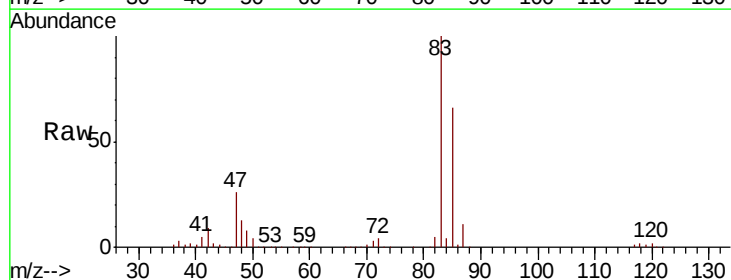
RT: 5.21 min Scan# 666

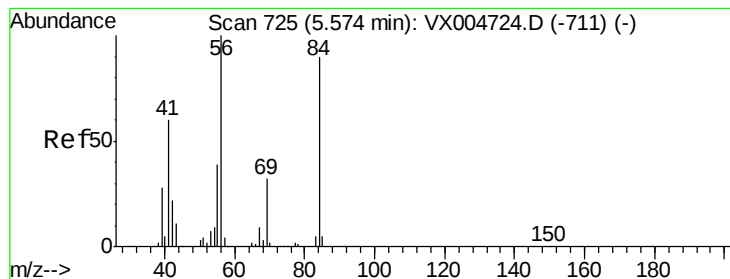
Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Tgt Ion:	83	Resp:	241528
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.4	78.6





#31

Cyclohexane

Concen: 52.416 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 204388

Ion Ratio Lower Upper

56 100

69 25.4 25.9 38.9#

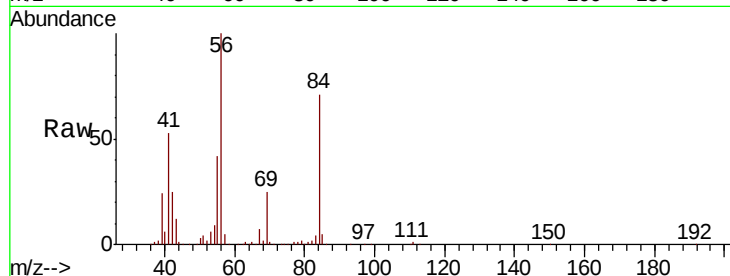
84 70.2 71.9 107.9#

Manual Integrations

APPROVED

MMDadoda

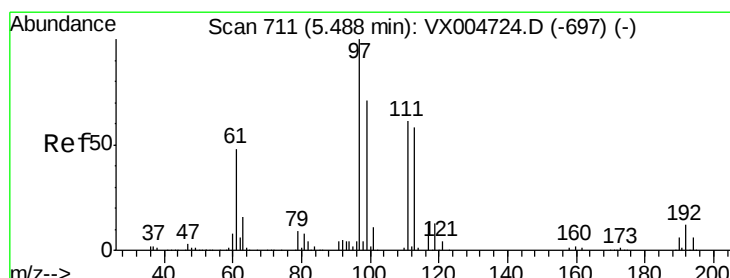
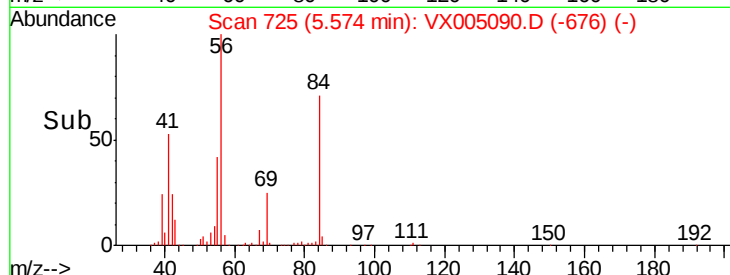
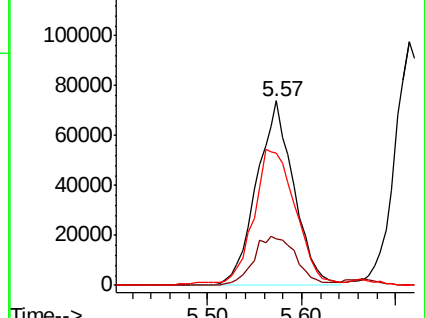
10/8/2018 2:02:41 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 53.144 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

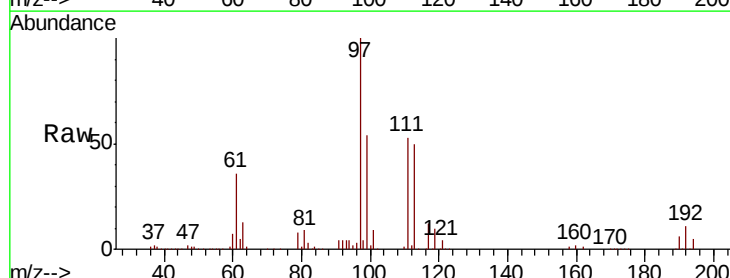
Tgt Ion: 97 Resp: 208979

Ion Ratio Lower Upper

97 100

99 63.6 54.6 82.0

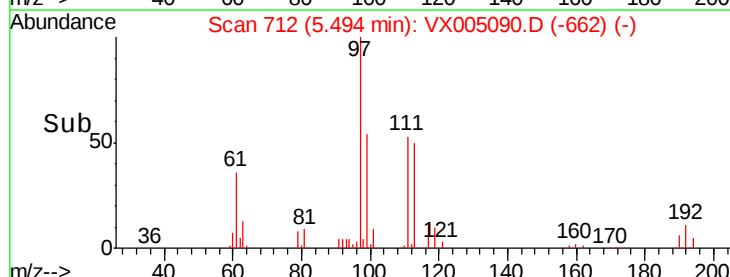
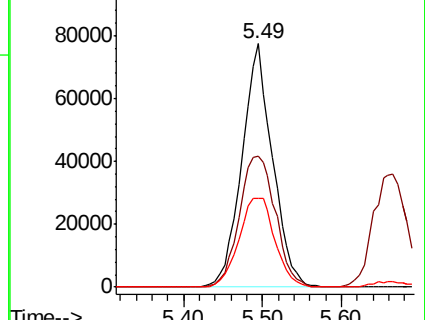
61 43.2 37.5 56.3

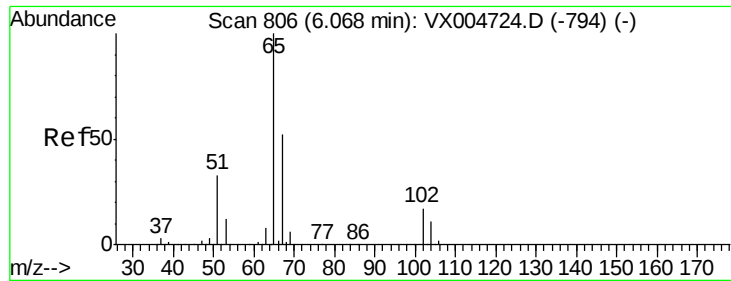


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





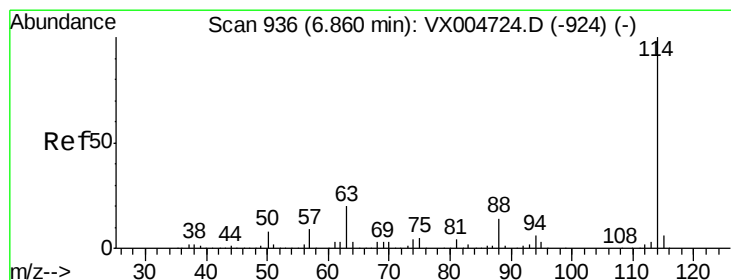
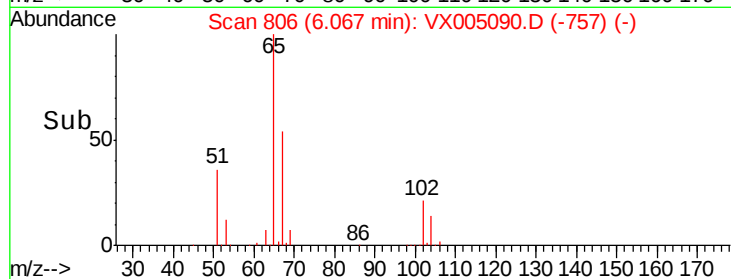
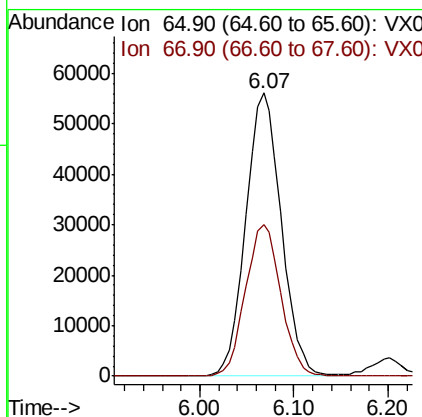
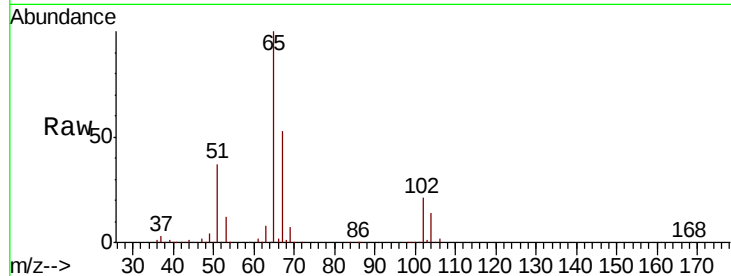
#33
 1,2-Dichloroethane-d4
 Concen: 48.508 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.4

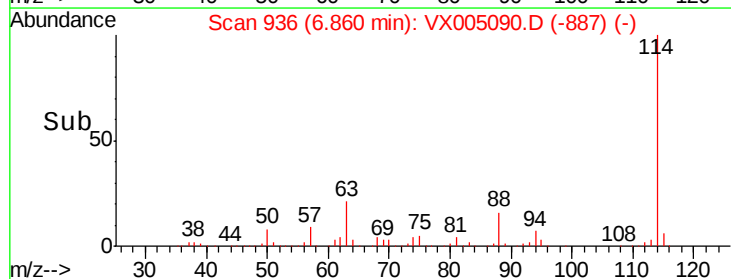
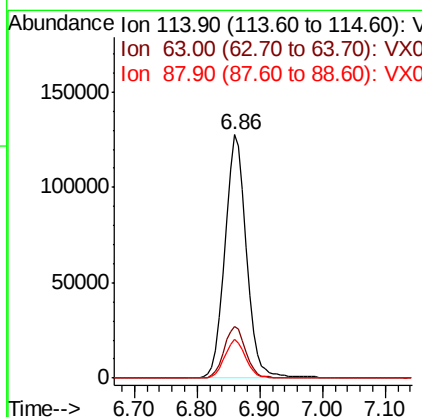
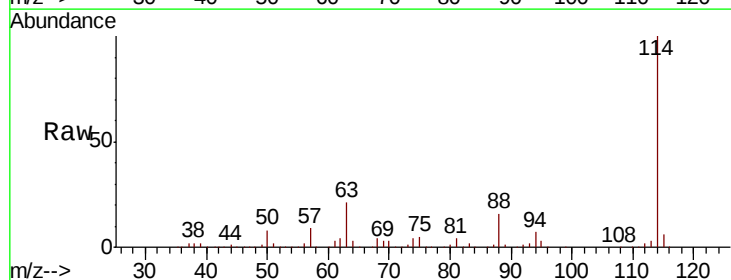
Manual Integrations
 APPROVED

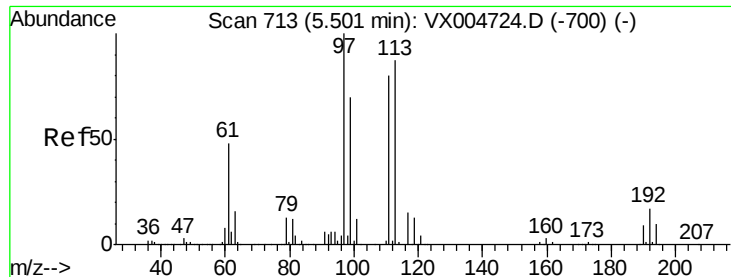
MMDadoda
 10/8/2018 2:02:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	39.8
88	15.9	0.0	27.0





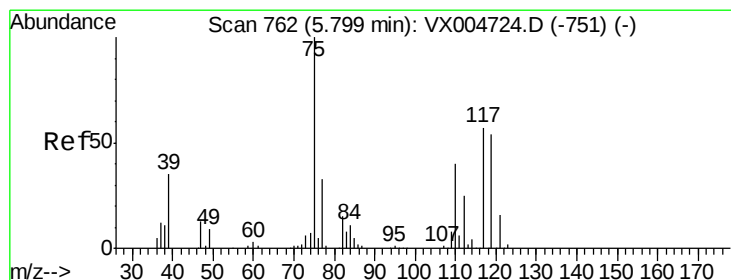
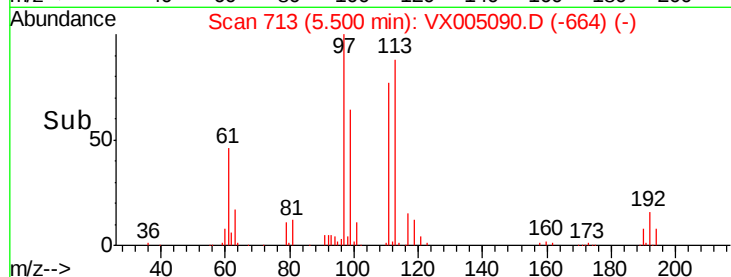
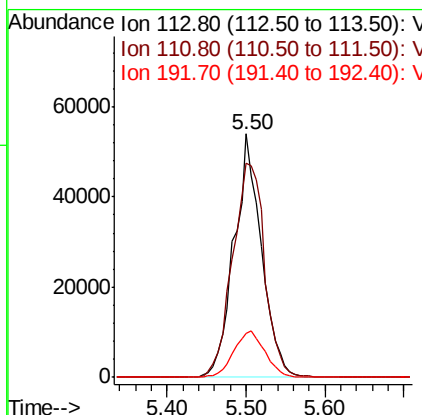
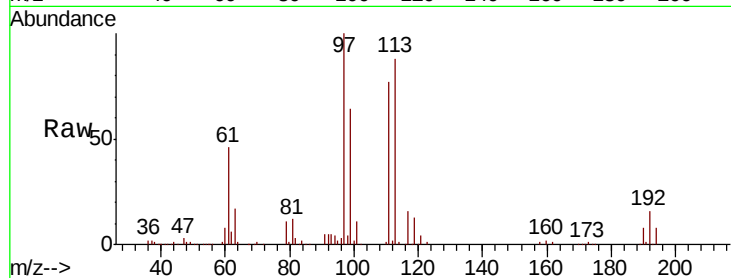
#35
 Dibromofluoromethane
 Concen: 50.493 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	77.0	115.4
192	21.7	17.0	25.6

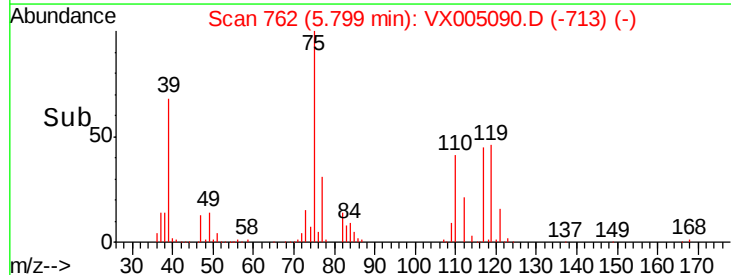
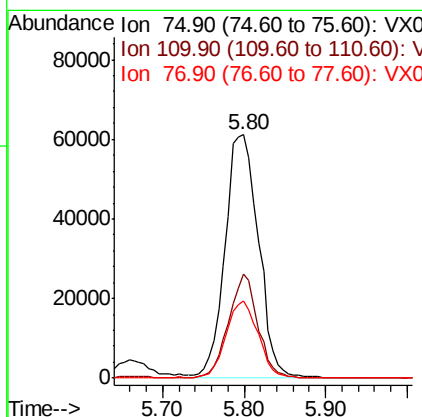
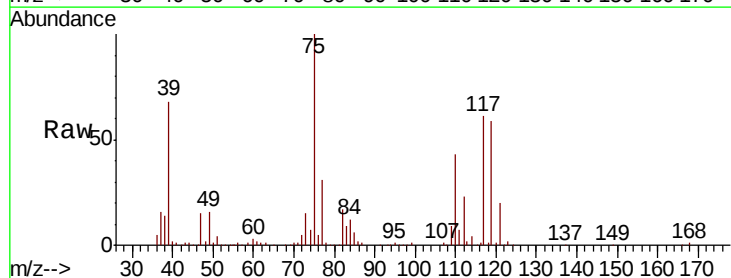
Manual Integrations
 APPROVED

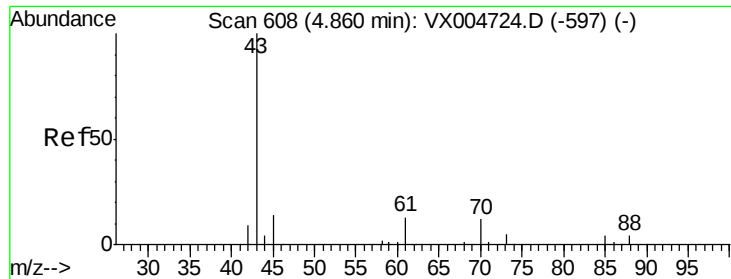
MMDadoda
 10/8/2018 2:02:41 PM



#36
 1,1-Dichloropropene
 Concen: 48.947 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	20.0	59.9
77	30.4	27.1	40.7





#37

Ethyl Acetate

Concen: 51.599 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

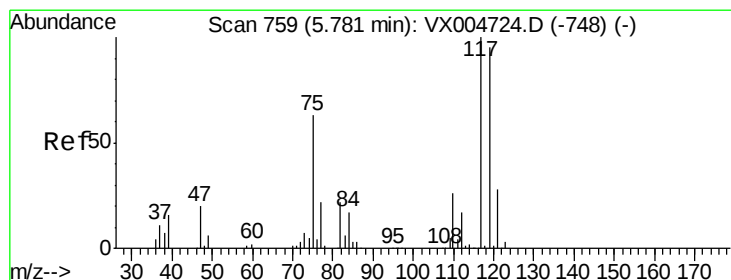
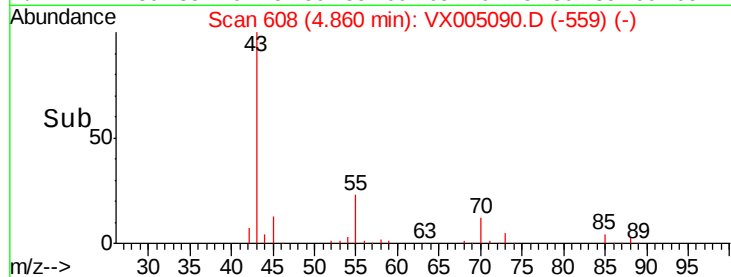
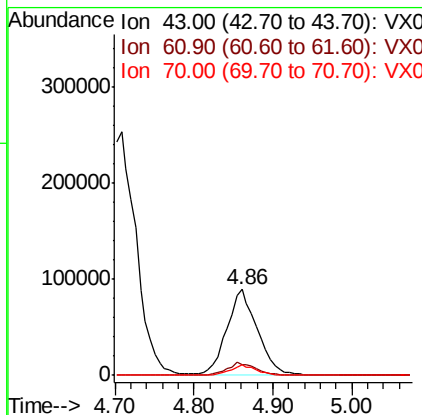
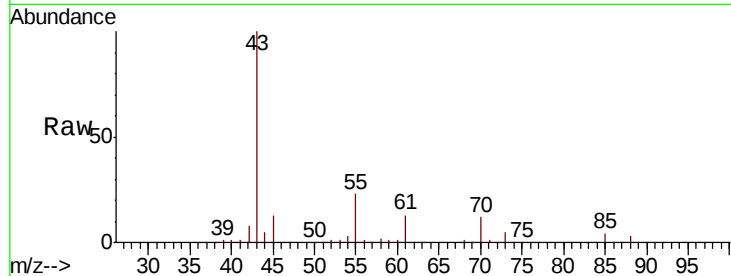
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	240687
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM



#38

Carbon Tetrachloride

Concen: 47.940 ug/l

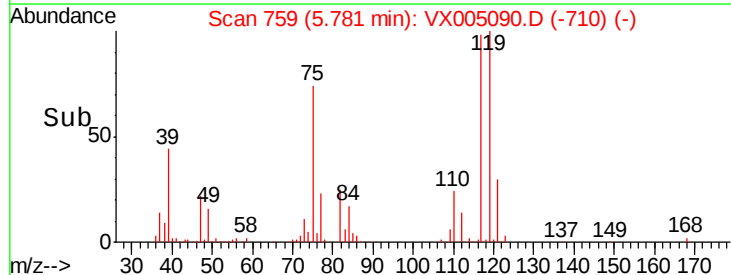
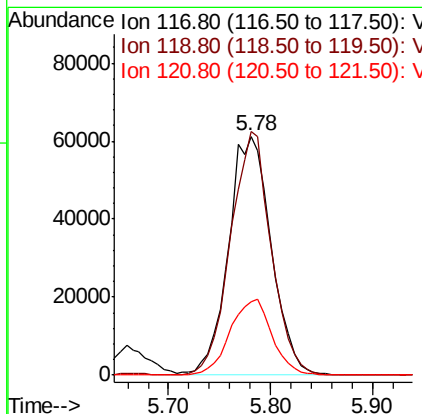
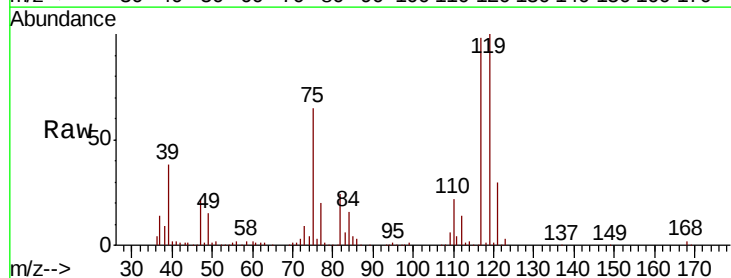
RT: 5.78 min Scan# 759

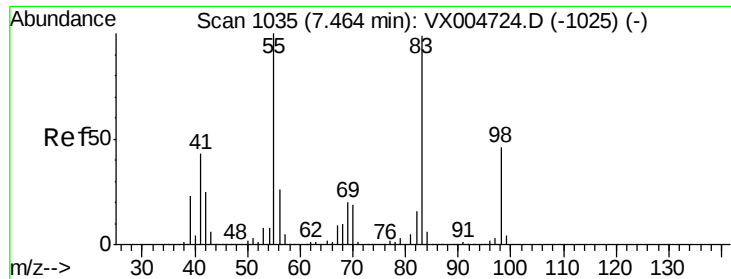
Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Tgt Ion:	117	Resp:	177084
Ion	Ratio	Lower	Upper
117	100		
119	102.1	75.2	112.8
121	30.5	22.5	33.7





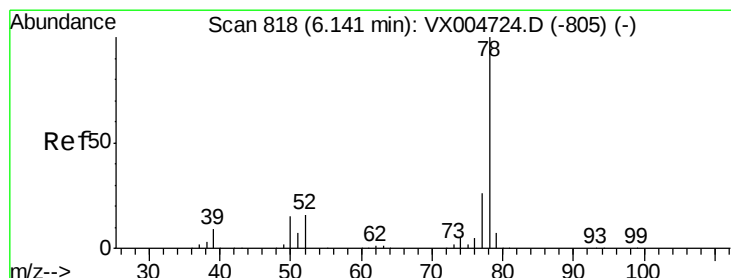
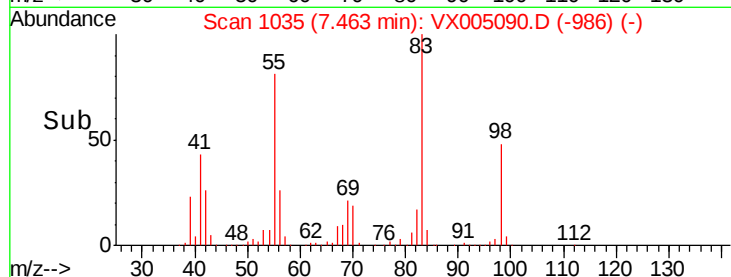
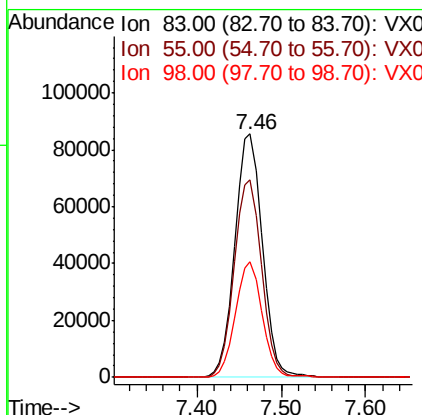
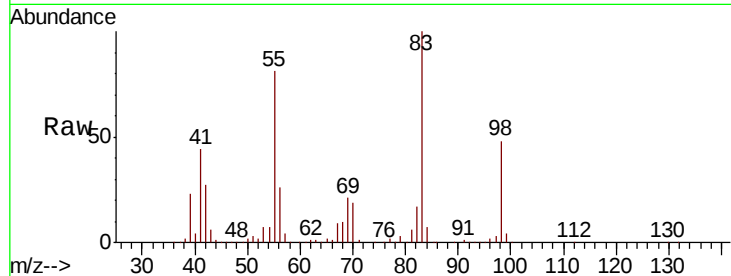
#39
Methvlcvclohexane
Concen: 52.619 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	81.1	121.7#
98	47.7	37.3	55.9

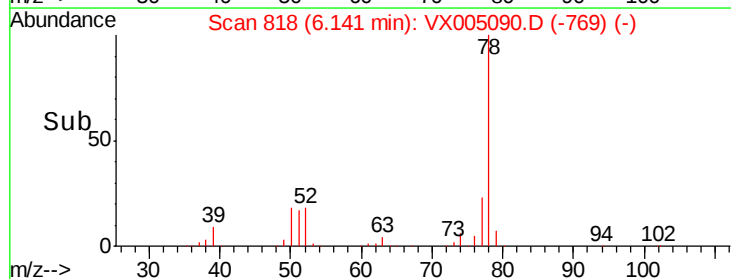
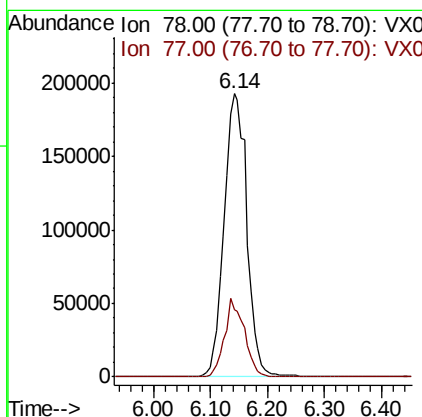
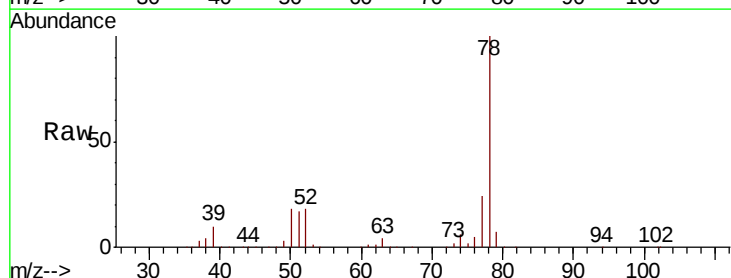
Manual Integrations
APPROVED

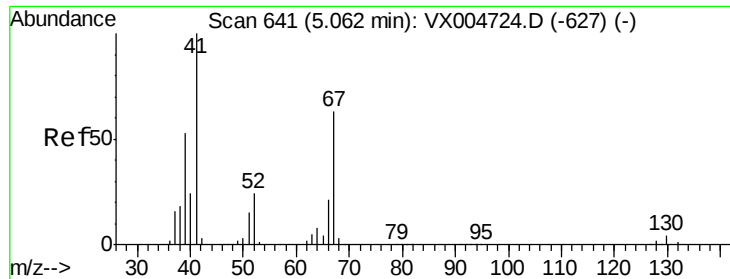
MMDadoda
10/8/2018 2:02:41 PM



#40
Benzene
Concen: 48.934 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	21.0	31.4





#41

Methacrylonitrile

Concen: 53.726 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

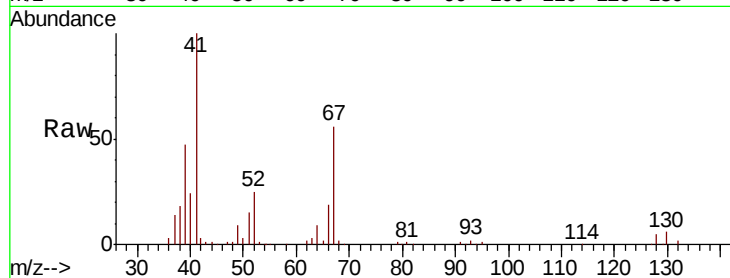
ClientSampleId :

VSTDCCC050EC

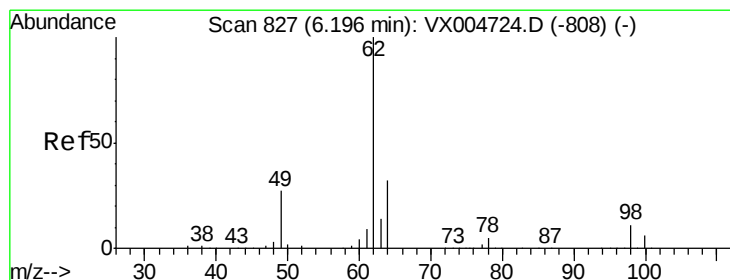
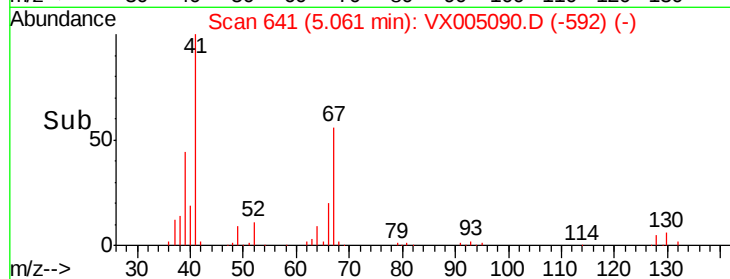
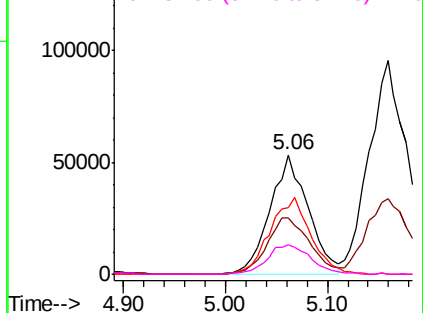
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.2	42.5	63.7
67	68.9	53.0	79.6
52	27.5	19.8	29.8

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 49.003 ug/l

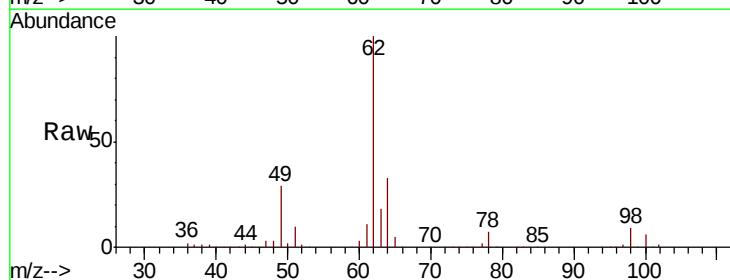
RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

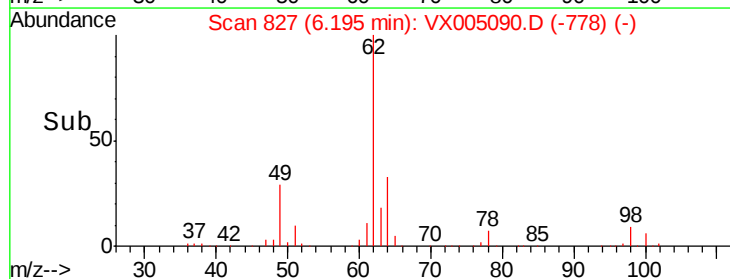
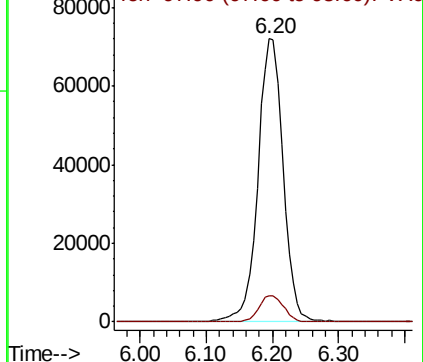
Lab File: VX005090.D

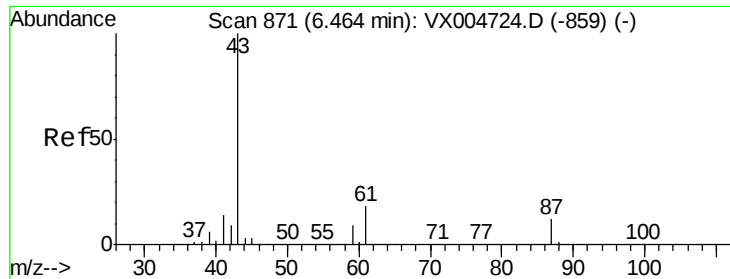
Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 53.325 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

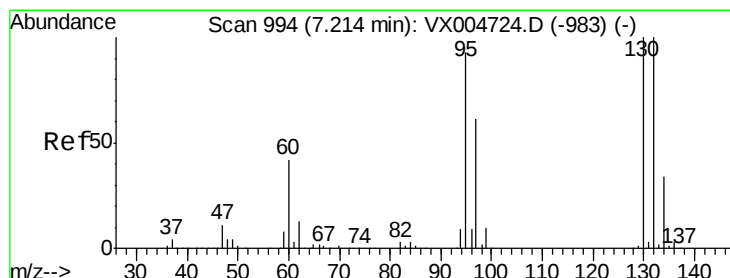
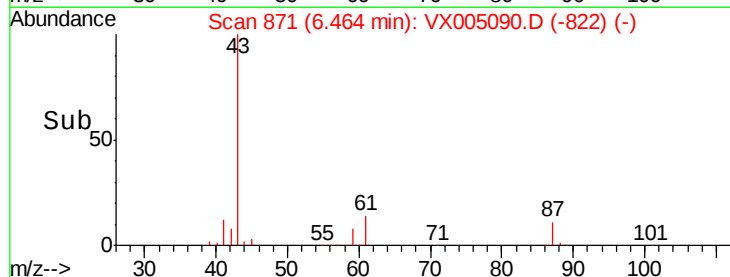
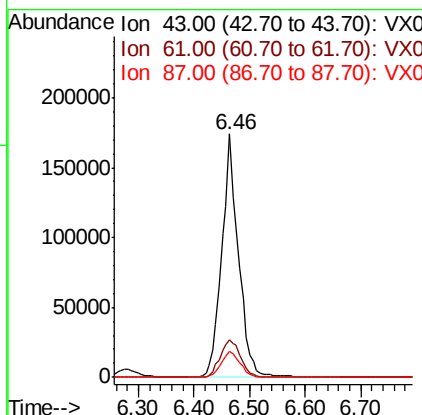
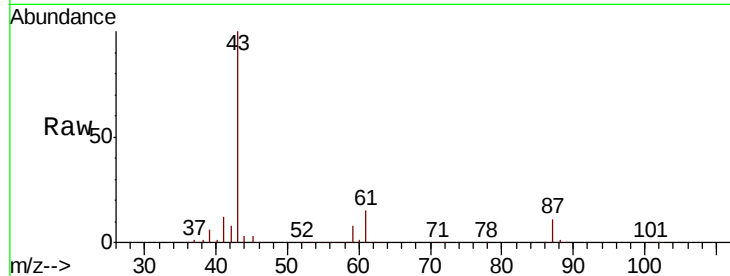
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	359011
Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.2	21.4
87	12.2	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM



#44

Trichloroethene

Concen: 50.935 ug/l

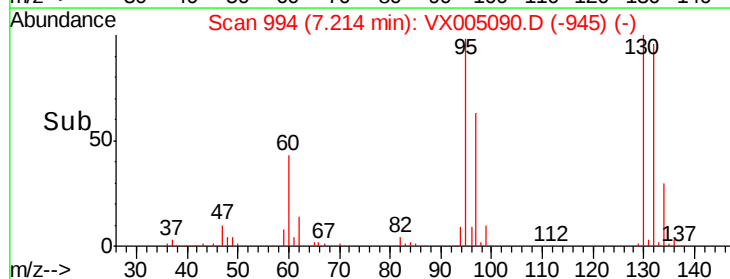
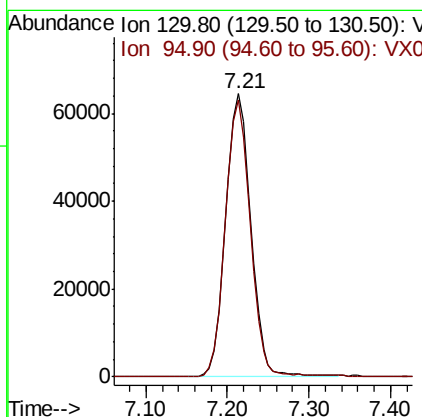
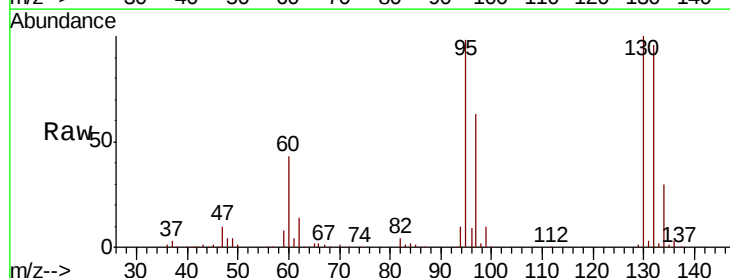
RT: 7.21 min Scan# 994

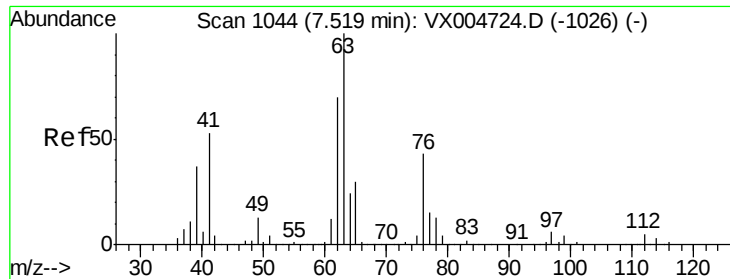
Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Tgt Ion:	130	Resp:	137752
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	186.8





#45

1,2-Dichloropropane

Concen: 51.996 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 140278

Ion Ratio Lower Upper

63 100

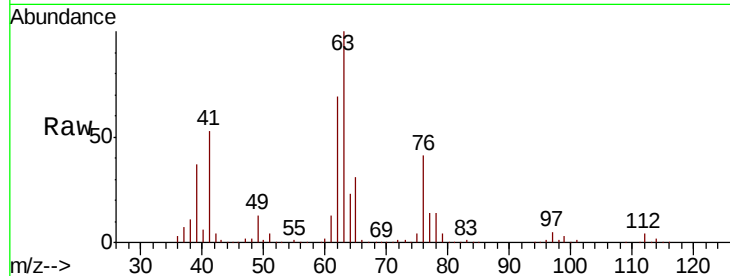
65 31.1 23.9 35.9

Manual Integrations

APPROVED

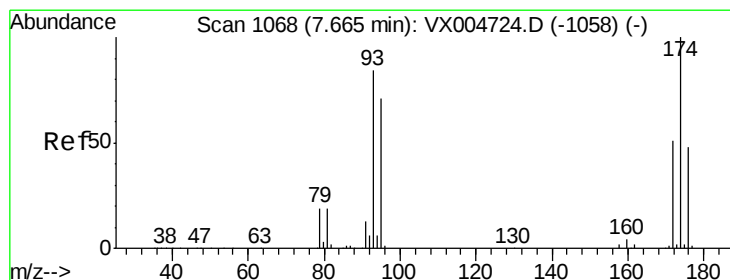
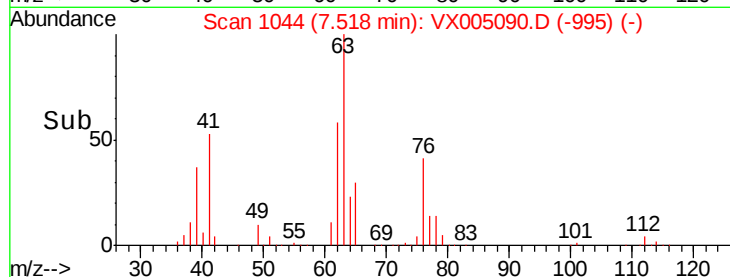
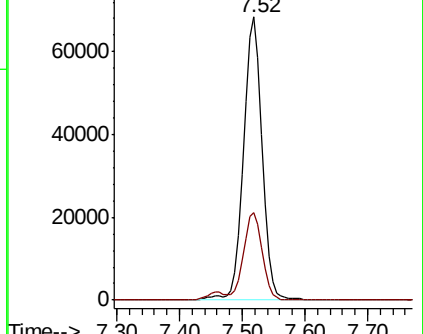
MMDadoda

10/8/2018 2:02:41 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 53.021 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

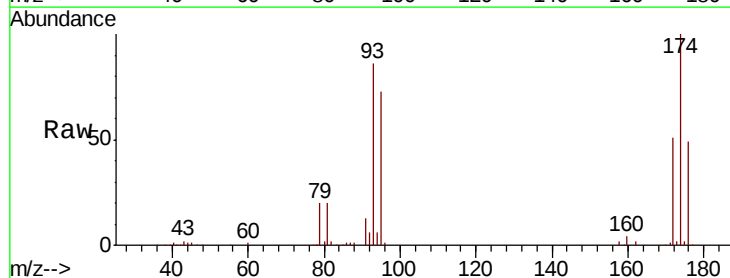
Tgt Ion: 93 Resp: 89897

Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

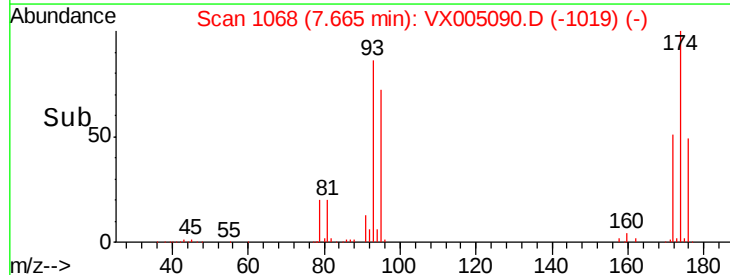
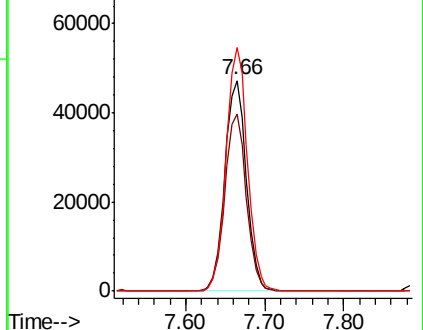
174 114.6 92.7 139.1

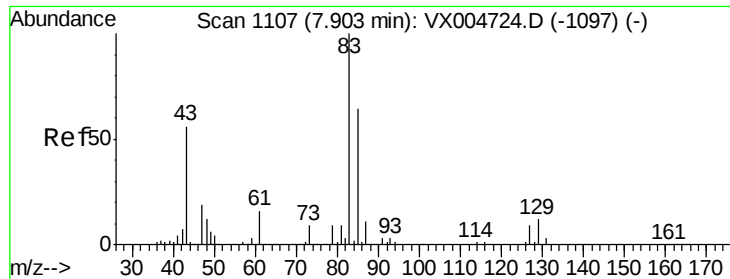


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.819 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

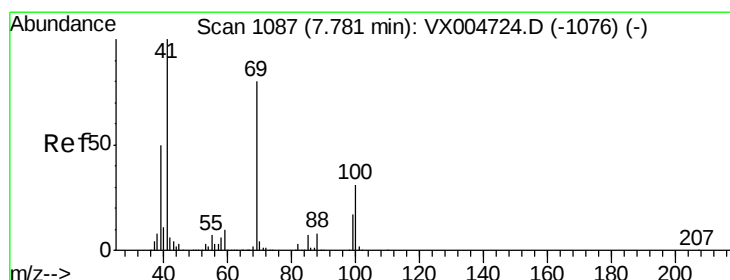
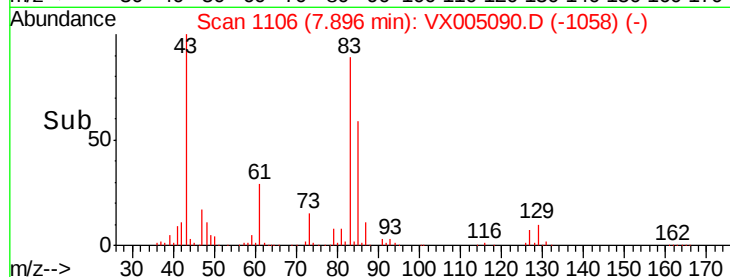
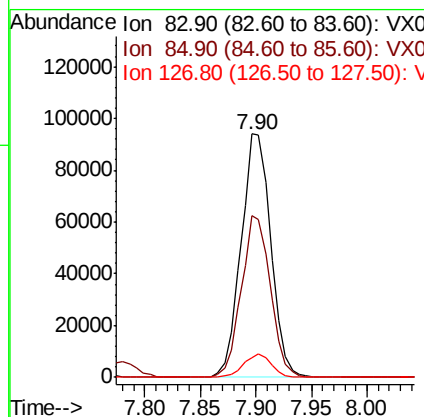
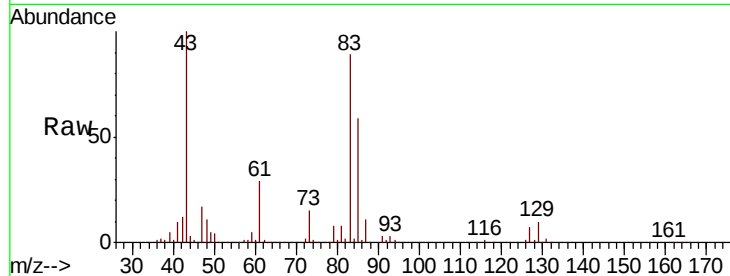
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	174020
Ion Ratio	Lower	Upper	
83	100		
85	66.2	51.2	76.8
127	8.3	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM



#48

Methyl methacrylate

Concen: 58.835 ug/l

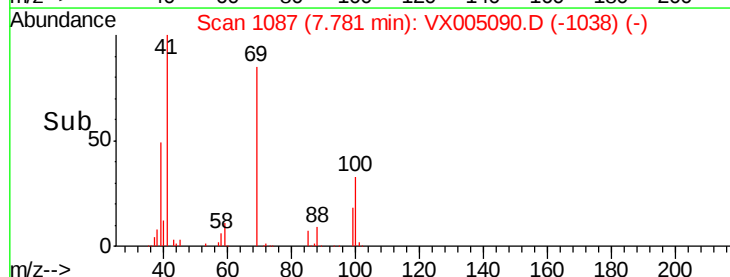
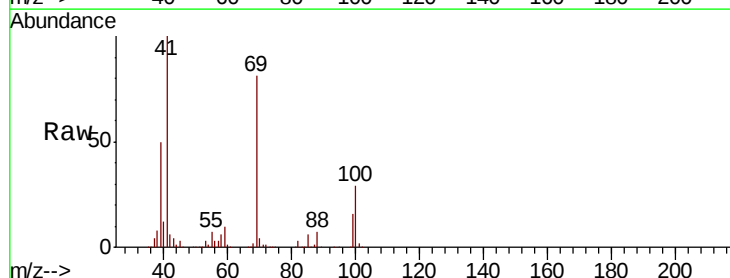
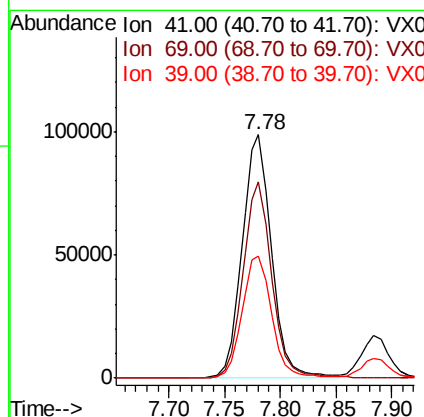
RT: 7.78 min Scan# 1087

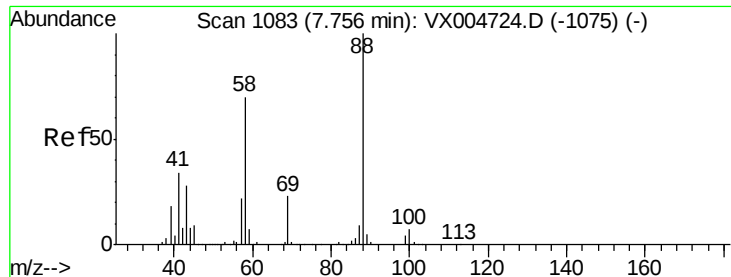
Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Tgt Ion:	41	Resp:	179789
Ion Ratio	Lower	Upper	
41	100		
69	79.6	63.8	95.6
39	50.5	40.7	61.1





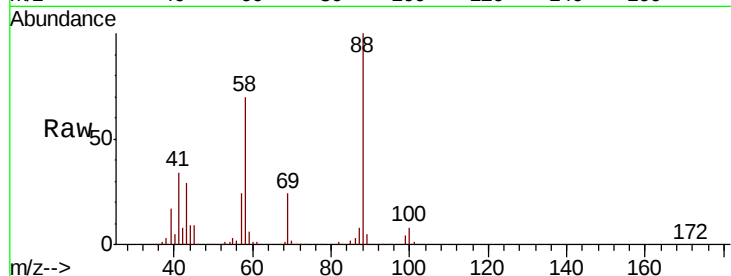
#49
 1,4-Dioxane
 Concen: 1061.609 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

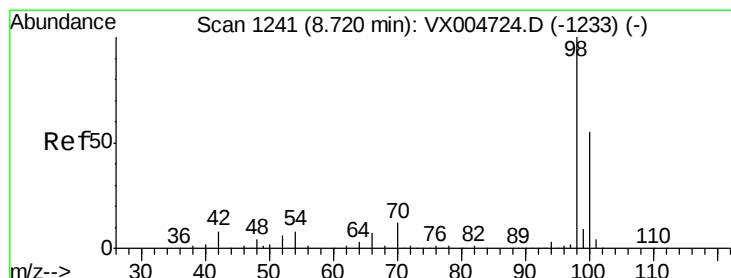
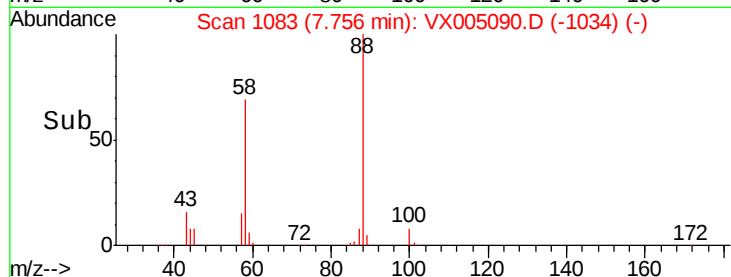
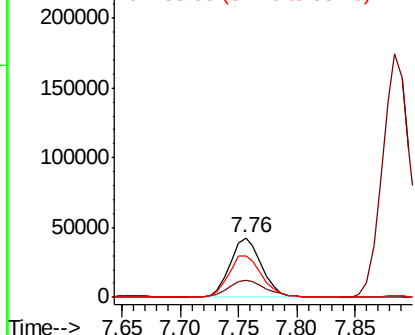
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	25.1	37.7
58	73.3	56.2	84.2

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 2:02:41 PM

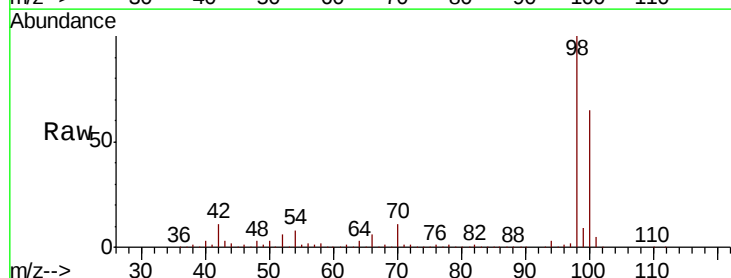


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

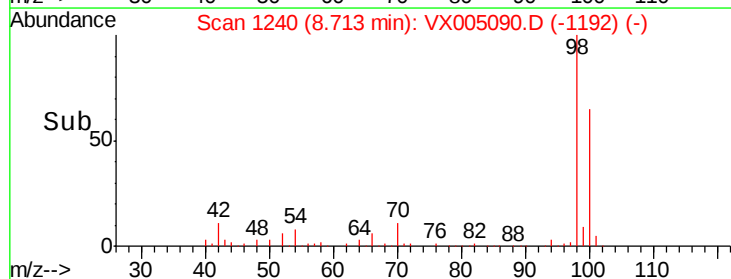
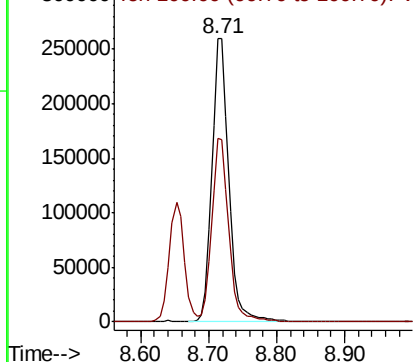


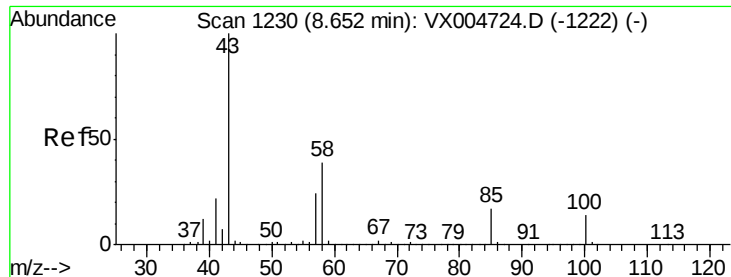
#50
 Toluene-d8
 Concen: 52.335 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





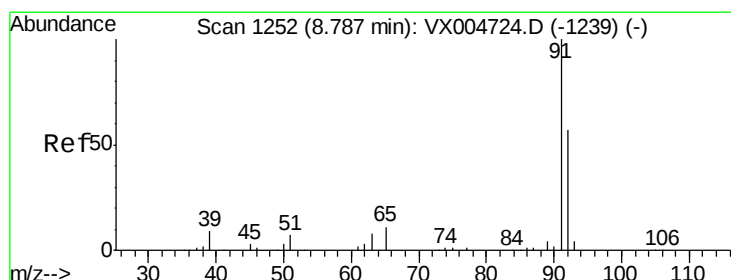
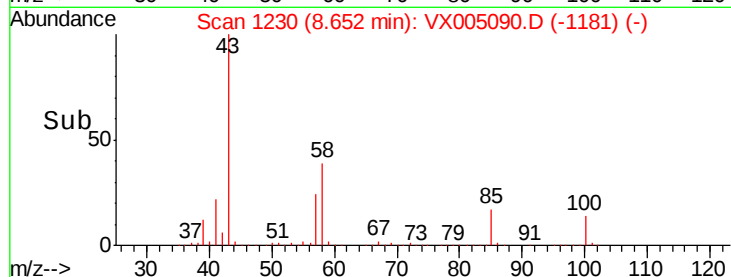
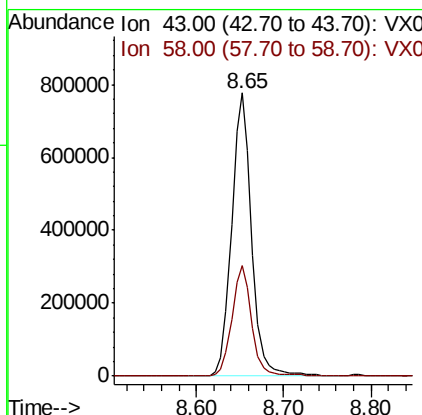
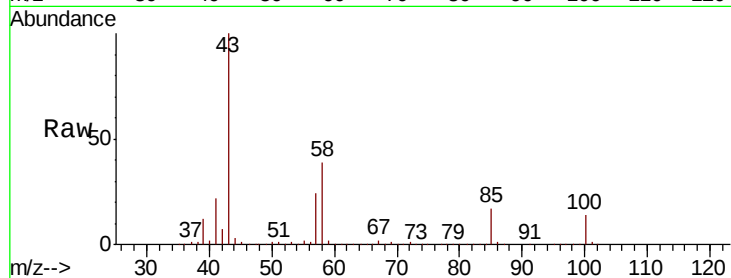
#51
4-Methyl-2-Pentanone
Concen: 290.636 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1232037
Ion Ratio Lower Upper
43 100
58 38.8 30.5 45.7

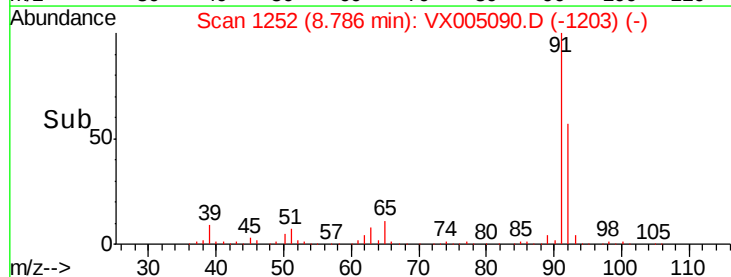
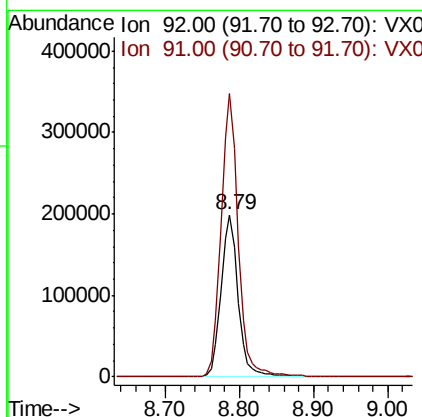
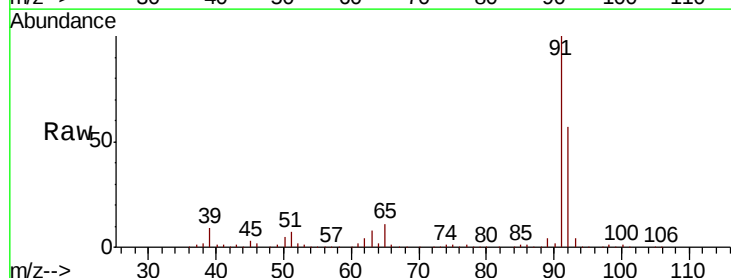
Manual Integrations
APPROVED

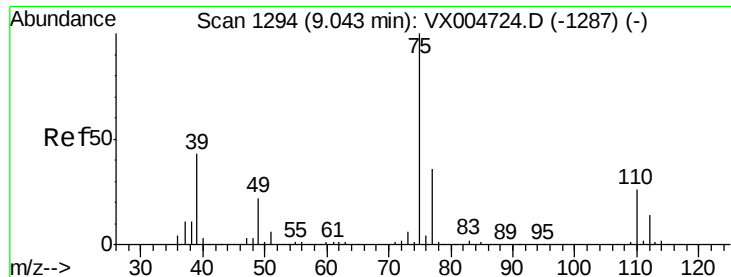
MMDadoda
10/8/2018 2:02:41 PM



#52
Toluene
Concen: 52.600 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion: 92 Resp: 317967
Ion Ratio Lower Upper
92 100
91 175.7 136.7 205.1





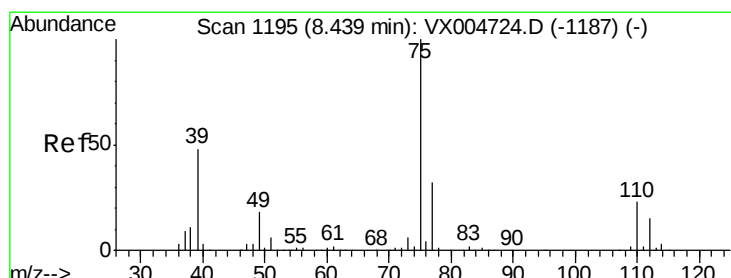
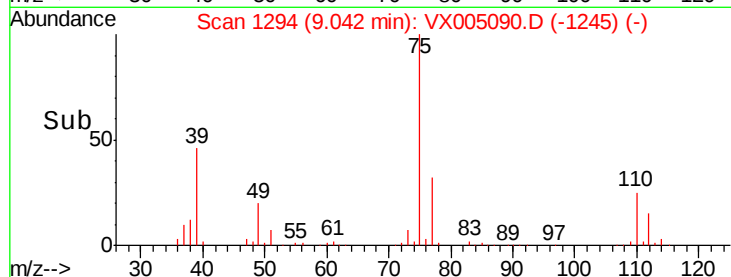
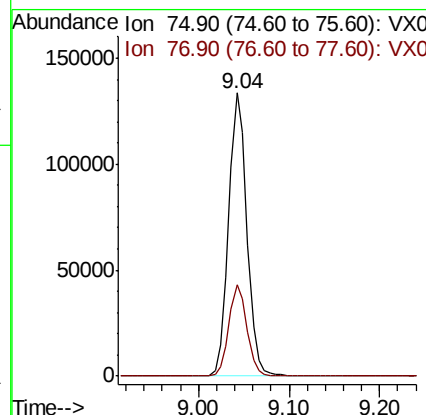
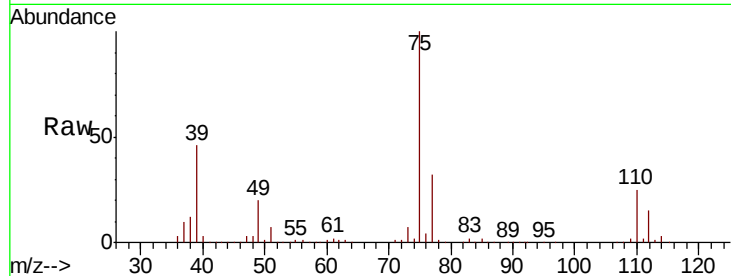
#53
t-1,3-Dichloropropene
Concen: 52.223 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	28.9	43.3

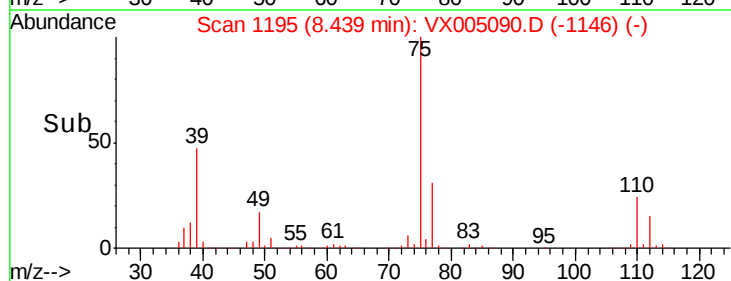
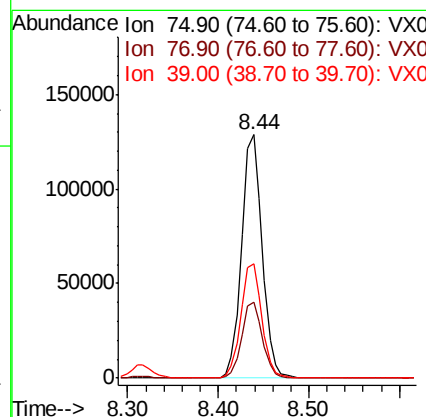
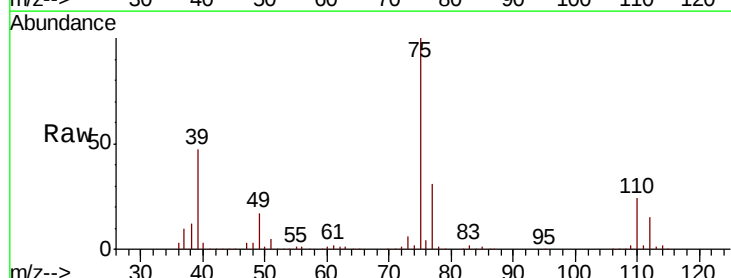
Manual Integrations
APPROVED

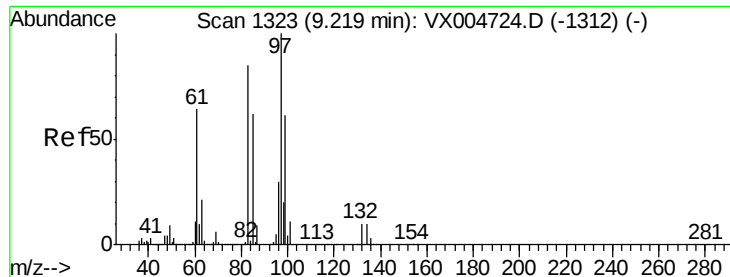
MMDadoda
10/8/2018 2:02:41 PM



#54
cis-1,3-Dichloropropene
Concen: 53.967 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.7	38.5
39	46.8	38.3	57.5





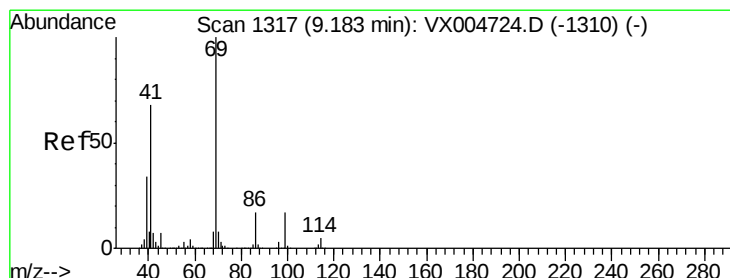
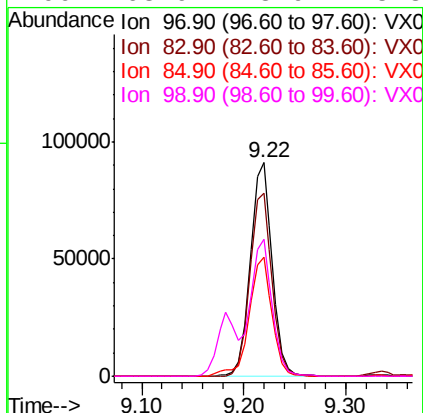
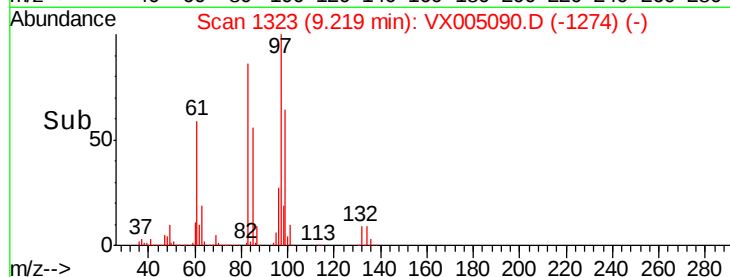
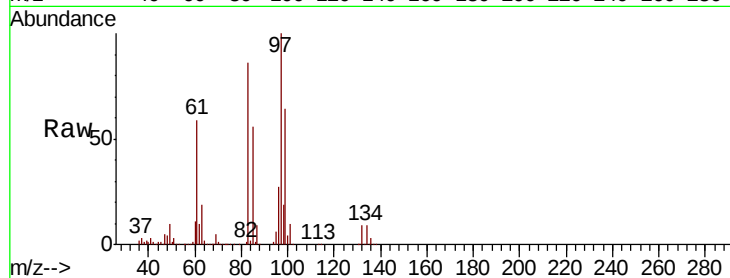
#55
 1,1,2-Trichloroethane
 Concen: 51.619 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	136684
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.2	102.2
85	55.8	49.9	74.9
99	63.9	48.9	73.3

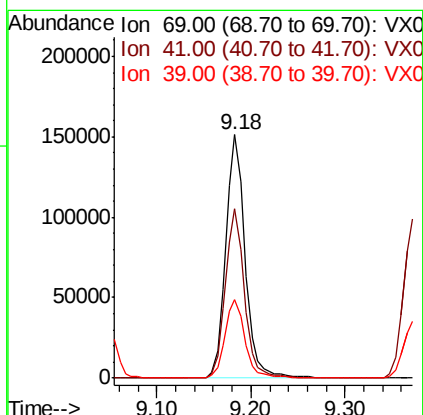
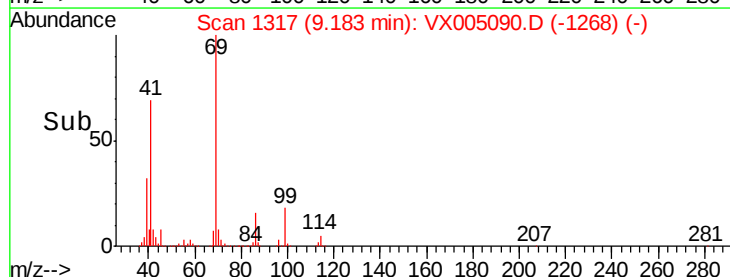
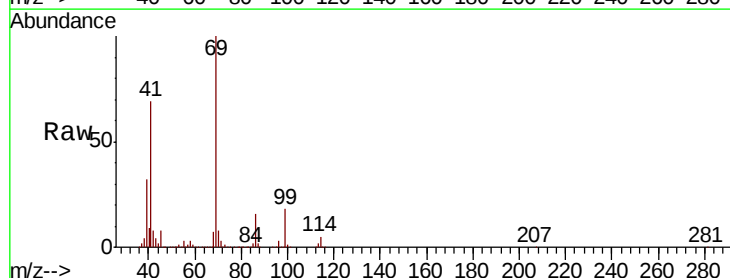
Manual Integrations
 APPROVED

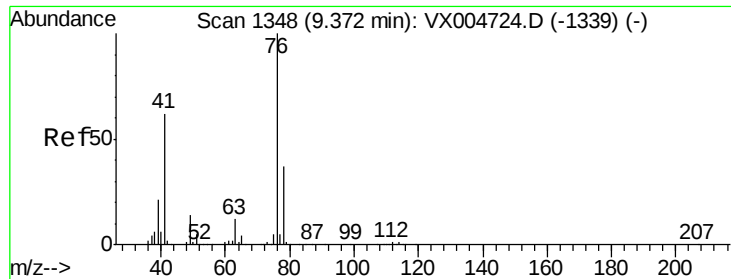
MMDadoda
 10/8/2018 2:02:41 PM



#56
 Ethyl methacrylate
 Concen: 50.199 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Tgt Ion:	69	Resp:	215752
Ion	Ratio	Lower	Upper
69	100		
41	68.7	56.9	85.3
39	33.4	28.4	42.6





#57

1,3-Dichloropropane

Concen: 51.532 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 227101

Ion Ratio Lower Upper

76 100

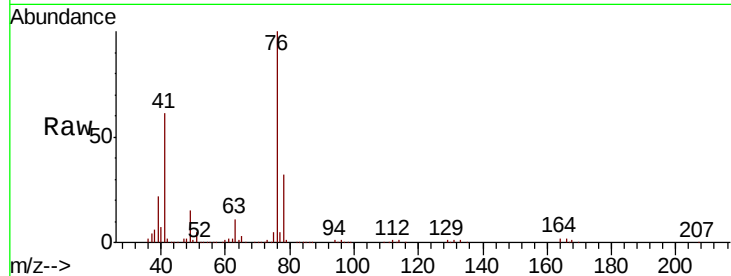
78 32.6 26.6 40.0

Manual Integrations

APPROVED

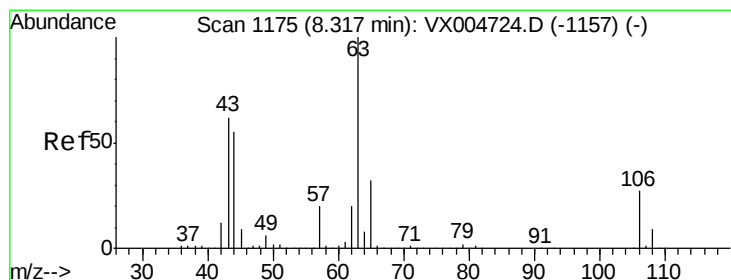
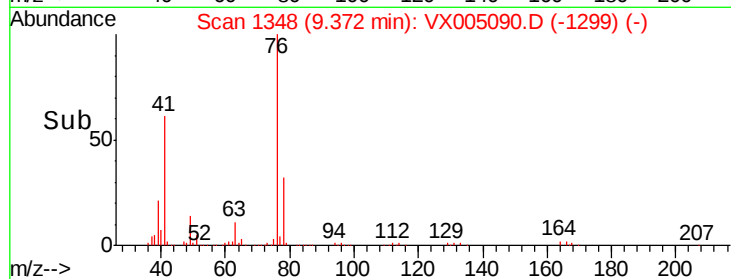
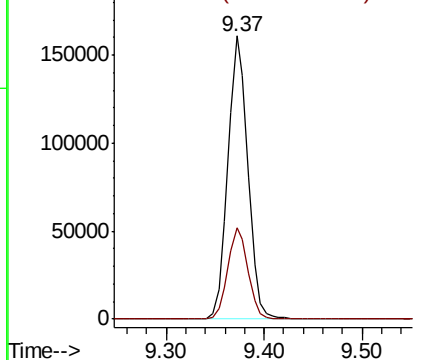
MMDadoda

10/8/2018 2:02:41 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 253.206 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005090.D

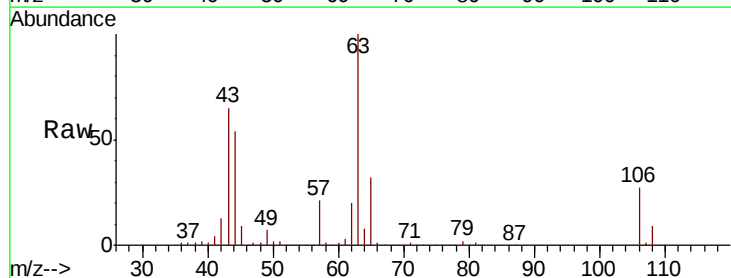
Acq: 06 Oct 2018 01:59

Tgt Ion: 63 Resp: 578147

Ion Ratio Lower Upper

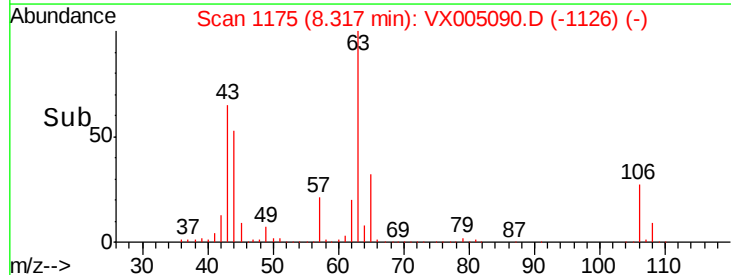
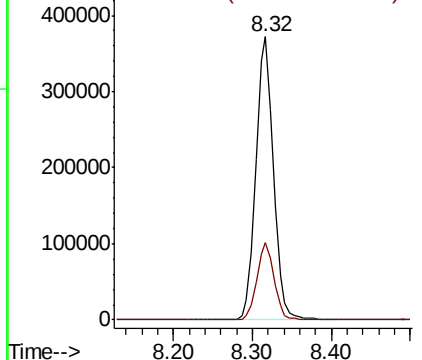
63 100

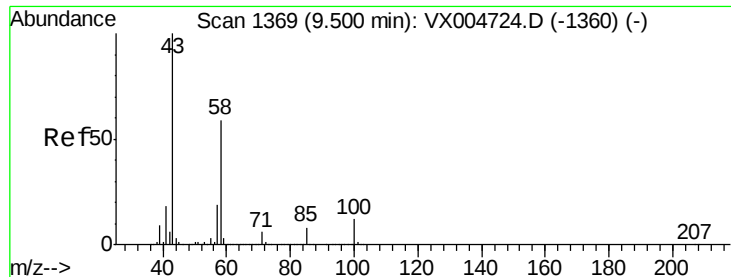
106 26.8 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





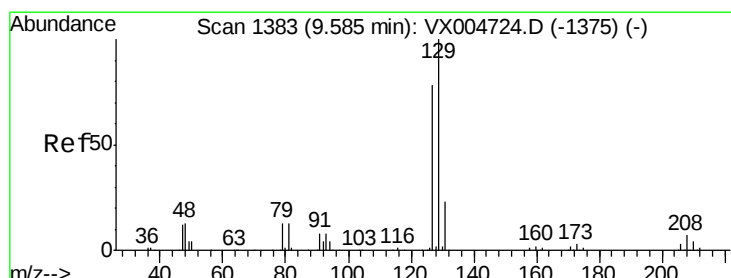
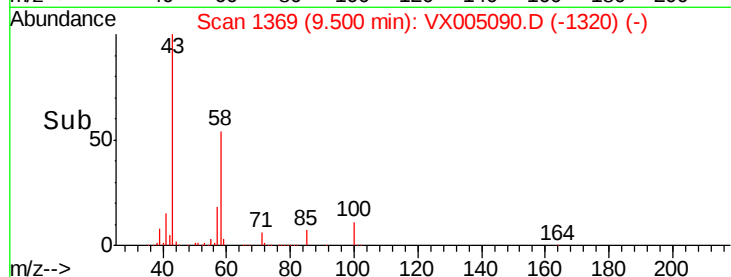
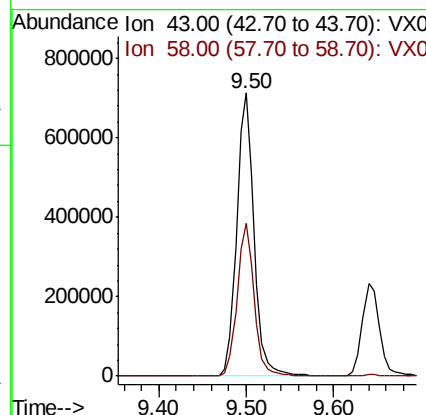
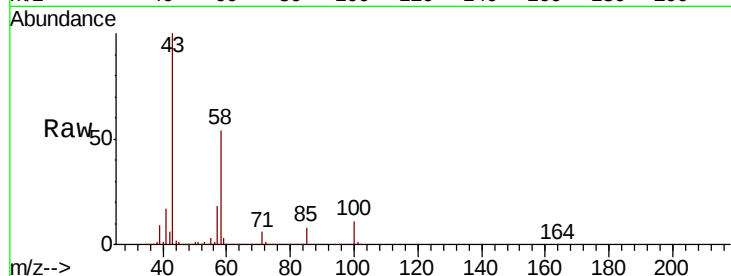
#59
2-Hexanone
Concen: 279.842 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	988548
Ion Ratio	43	100	
Lower	58	53.2	28.4
Upper			85.3

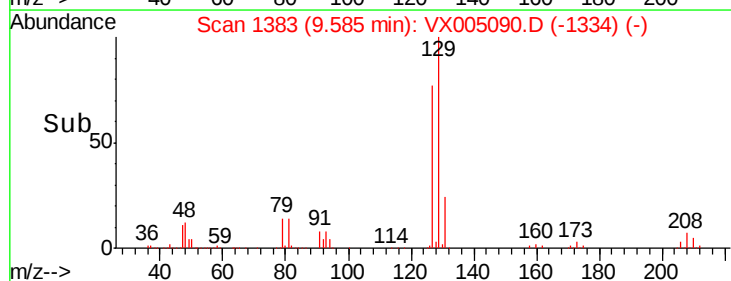
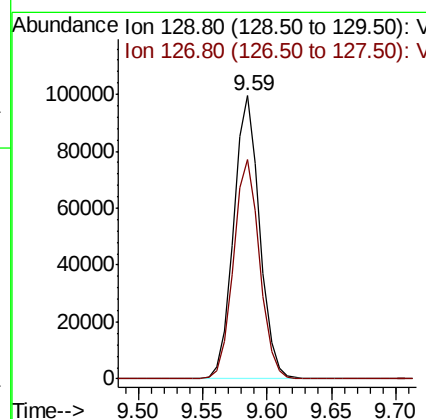
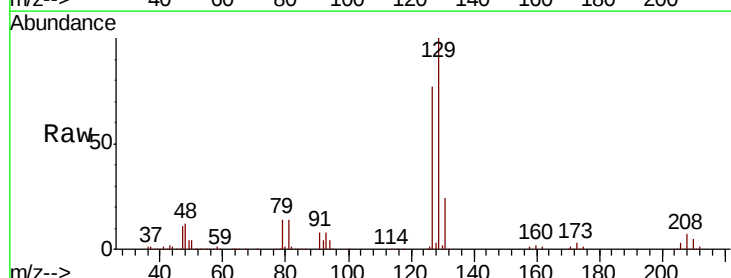
Manual Integrations
APPROVED

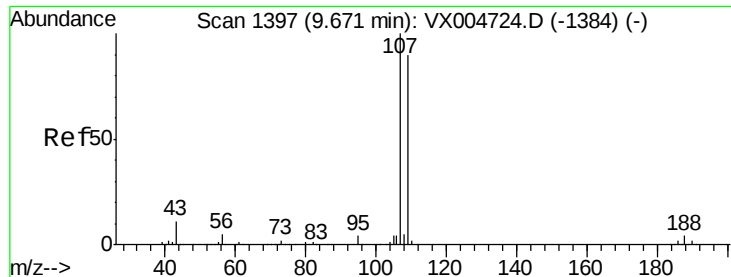
MMDadoda
10/8/2018 2:02:41 PM



#60
Dibromochloromethane
Concen: 53.214 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion	129	Resp	140918
Ion Ratio	129	100	
Lower	127	77.8	39.1
Upper			117.2





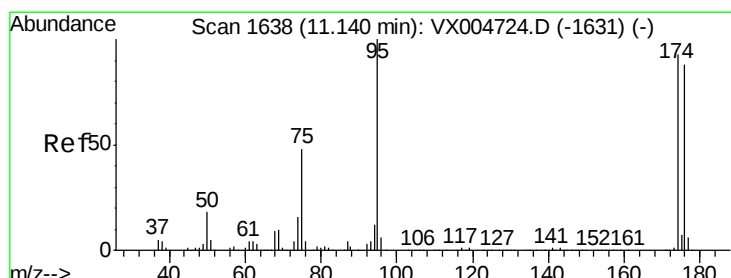
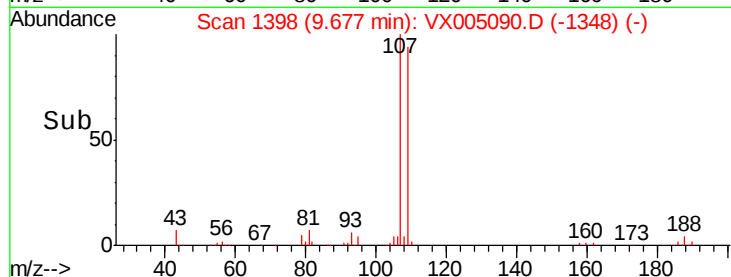
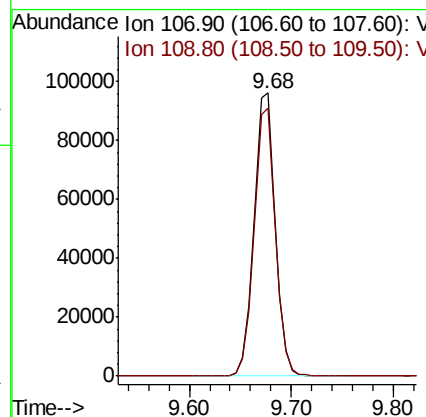
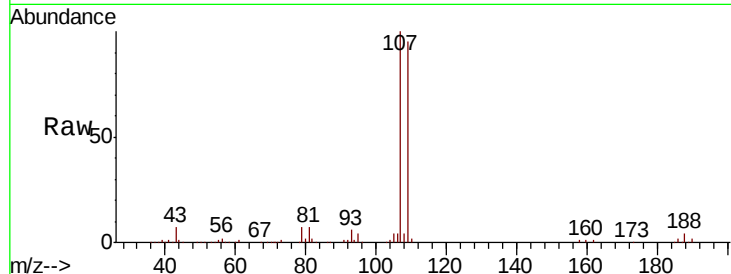
#61
 1,2-Dibromoethane
 Concen: 49.699 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	72.1	108.1

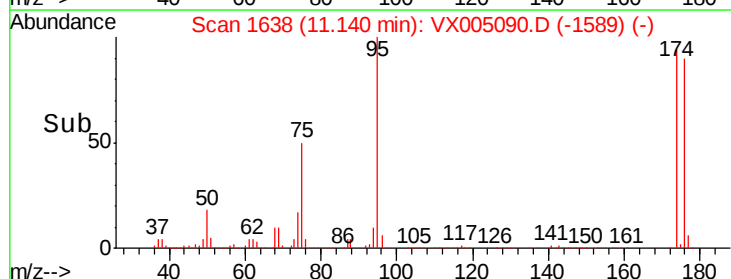
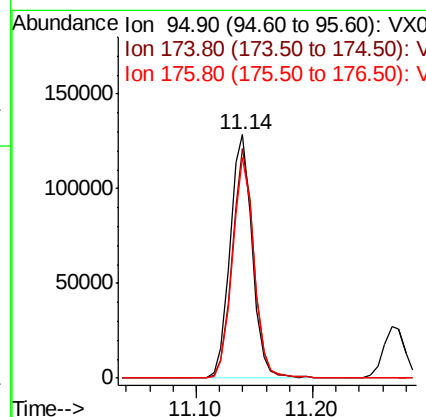
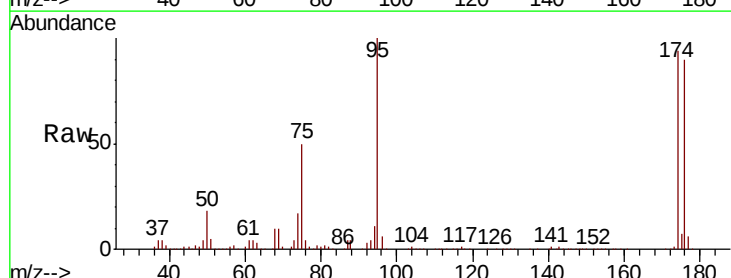
Manual Integrations
 APPROVED

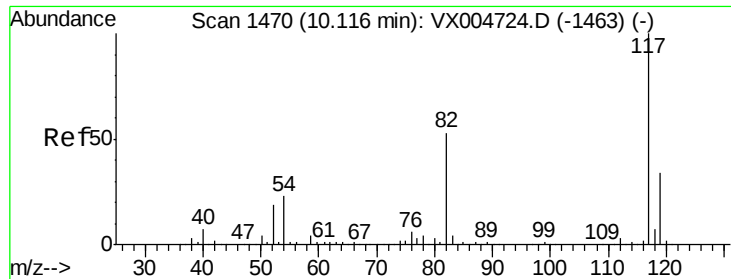
MMDadoda
 10/8/2018 2:02:41 PM



#62
 4-Bromofluorobenzene
 Concen: 54.926 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	185.0
176	89.1	0.0	180.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

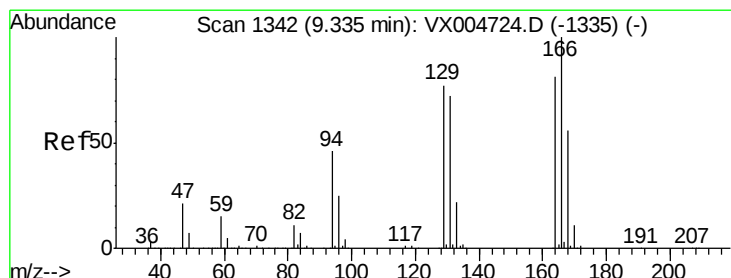
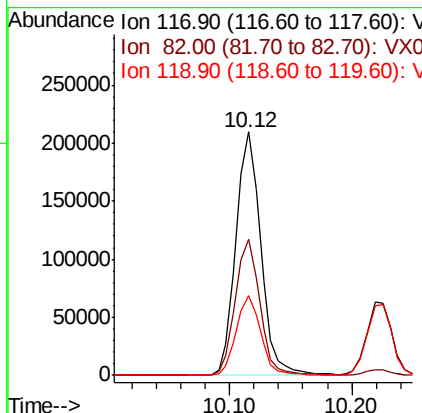
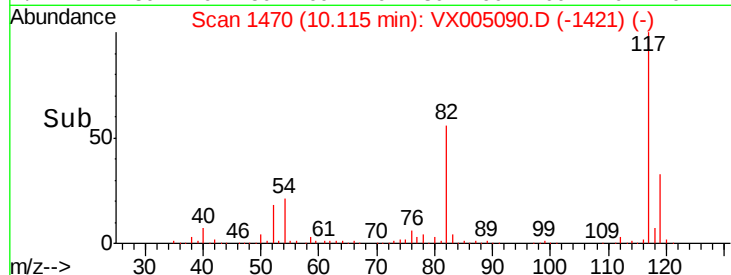
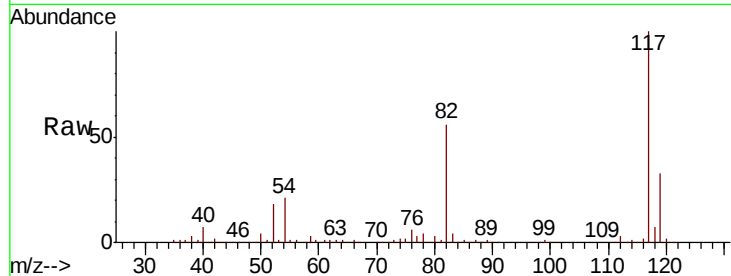
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	295411
Ion Ratio	Lower	Upper	
117	100		
82	56.1	42.2	63.4
119	32.7	27.4	41.0

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM



#64

Tetrachloroethene

Concen: 51.287 ug/l

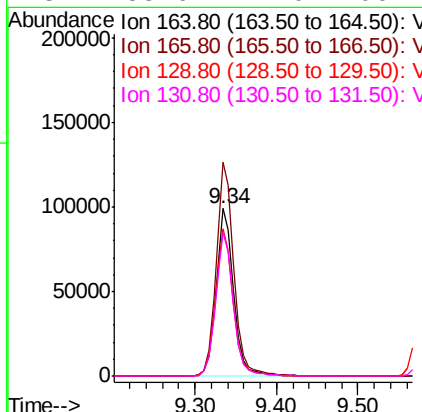
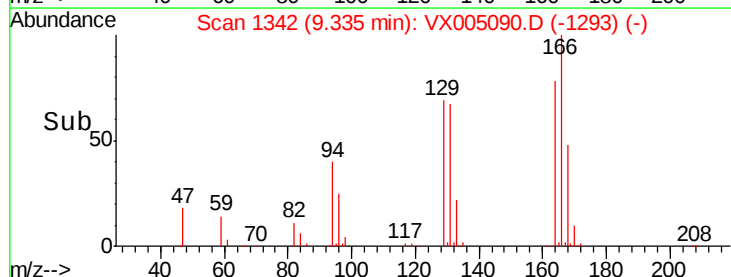
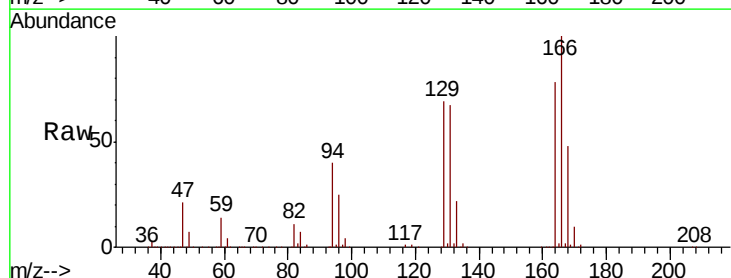
RT: 9.34 min Scan# 1342

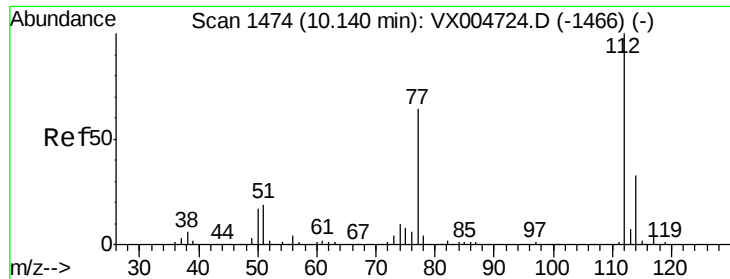
Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Tgt Ion:	164	Resp:	149115
Ion Ratio	Lower	Upper	
164	100		
166	127.8	98.4	147.6
129	87.8	76.1	114.1
131	85.6	71.0	106.4





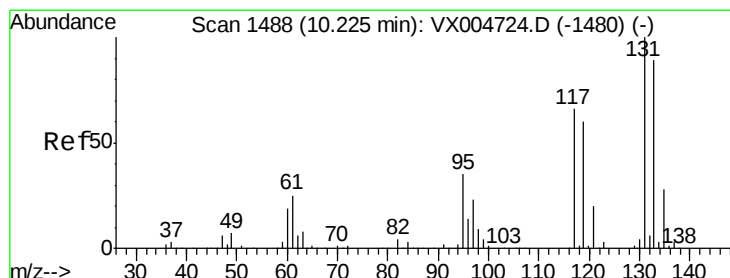
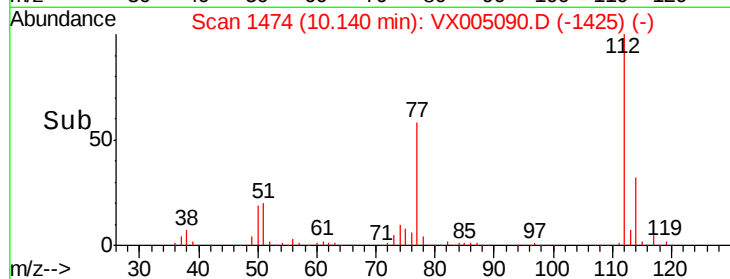
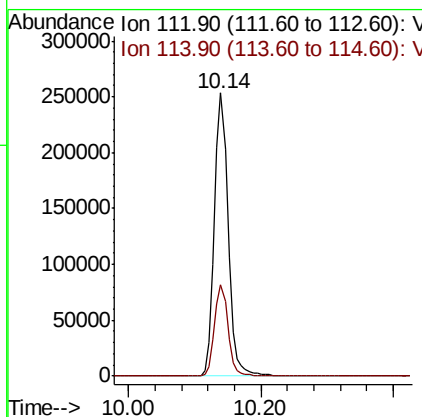
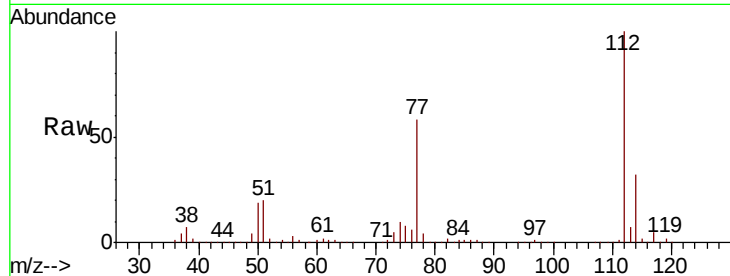
#65
Chlorobenzene
Concen: 47.833 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 362344
Ion Ratio Lower Upper
112 100
114 32.3 26.7 40.1

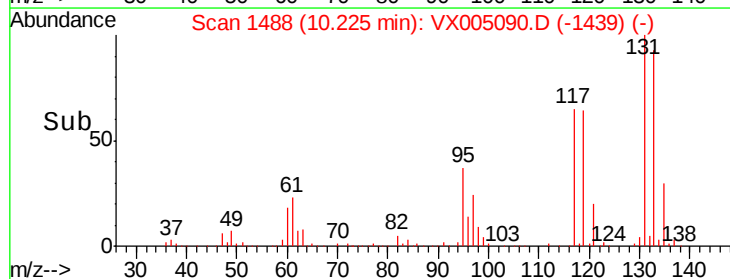
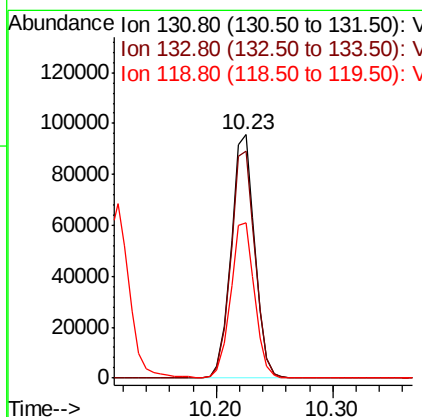
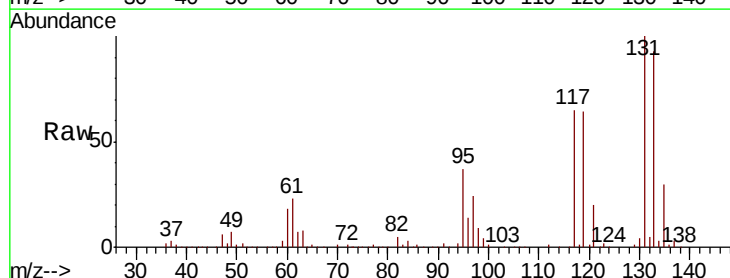
Manual Integrations
APPROVED

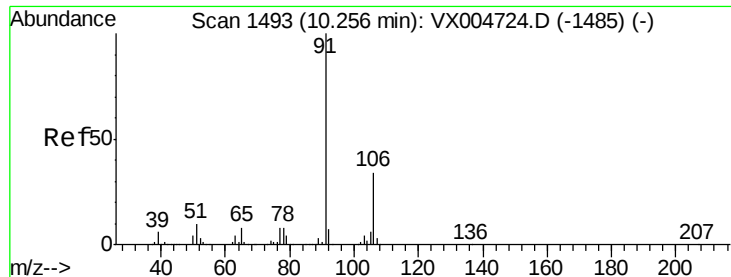
MMDadoda
10/8/2018 2:02:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.447 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion:131 Resp: 134346
Ion Ratio Lower Upper
131 100
133 95.2 48.4 145.0
119 64.7 32.3 96.8





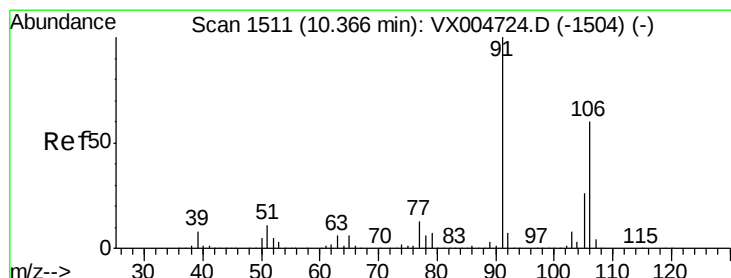
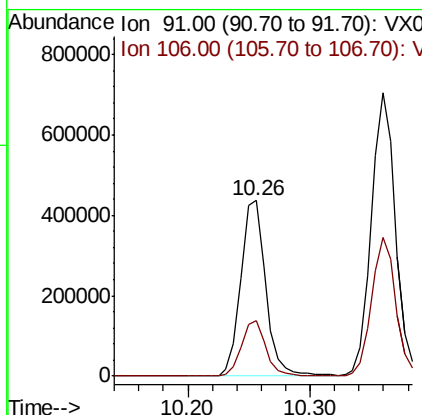
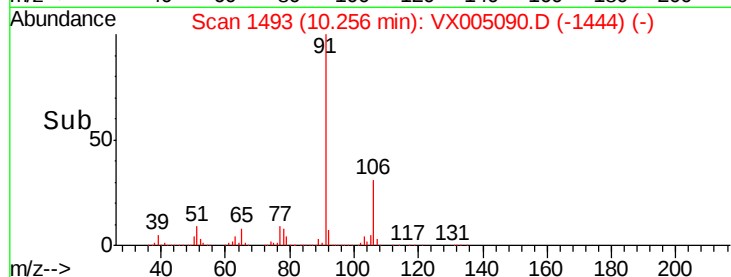
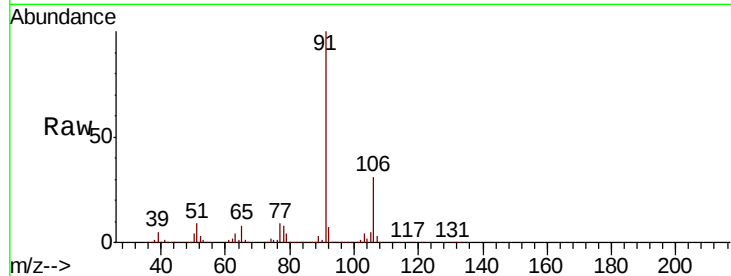
#67
Ethyl Benzene
Concen: 51.463 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 618927
Ion Ratio Lower Upper
91 100
106 31.4 26.9 40.3

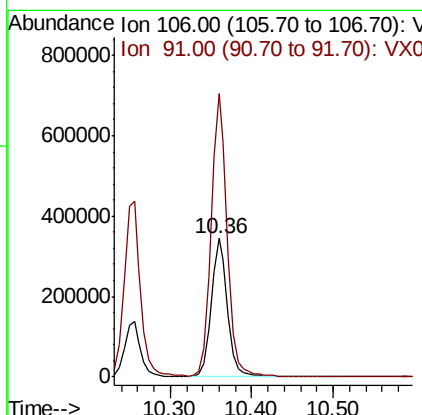
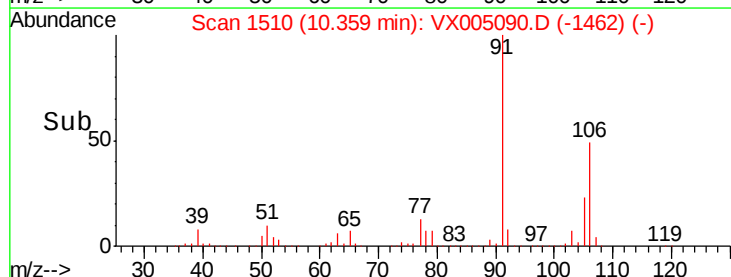
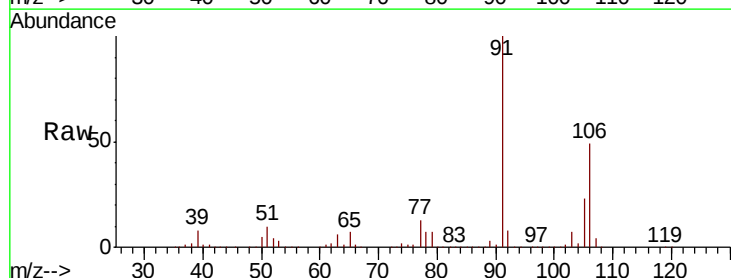
Manual Integrations
APPROVED

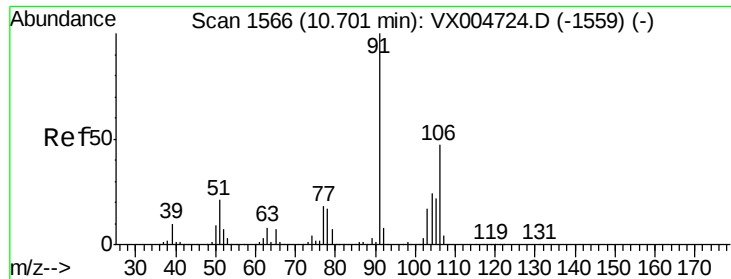
MMDadoda
10/8/2018 2:02:41 PM



#68
m/p-Xylenes
Concen: 102.335 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion: 106 Resp: 480935
Ion Ratio Lower Upper
106 100
91 204.3 157.5 236.3





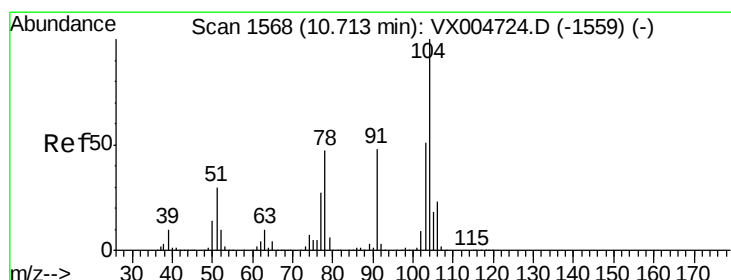
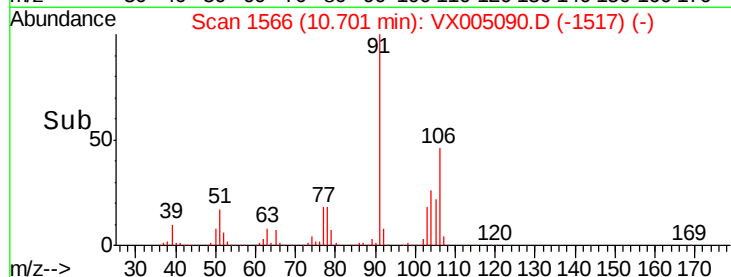
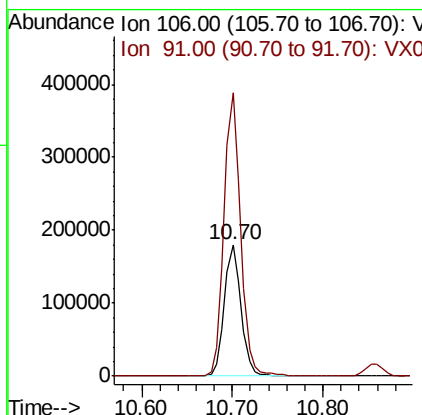
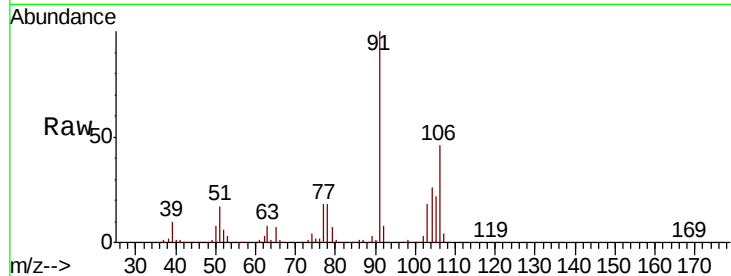
#69
o-Xylene
Concen: 53.757 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.9	108.3	324.8

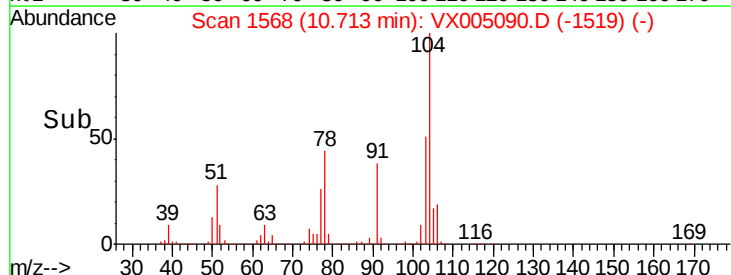
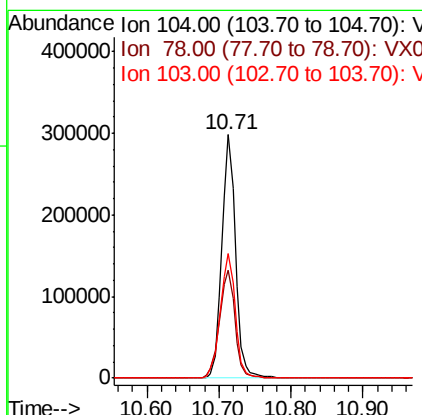
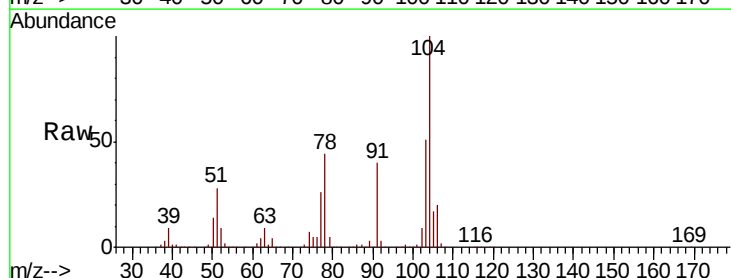
Manual Integrations
APPROVED

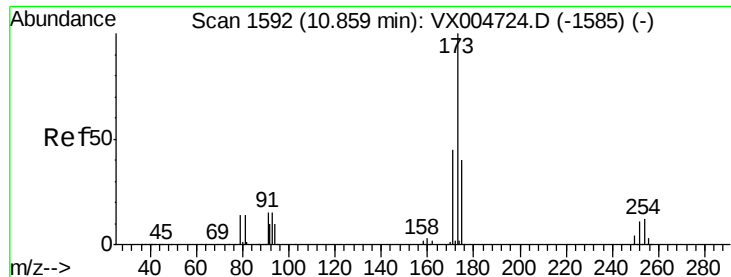
MMDadoda
10/8/2018 2:02:41 PM



#70
Styrene
Concen: 49.083 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	40.0	60.0
103	56.1	44.3	66.5





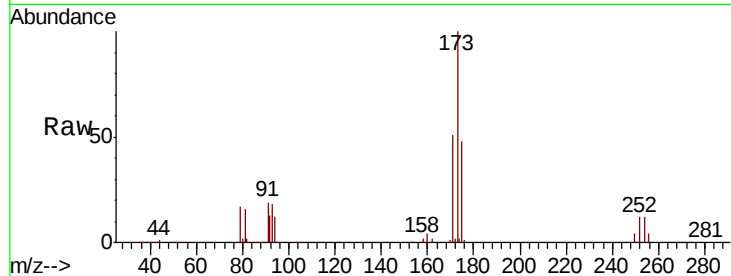
#71
Bromoform
Concen: 51.705 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.3	69.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM

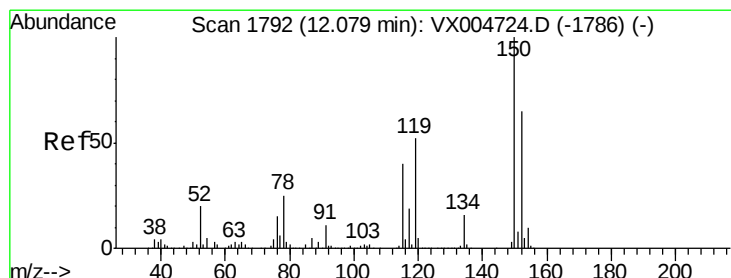
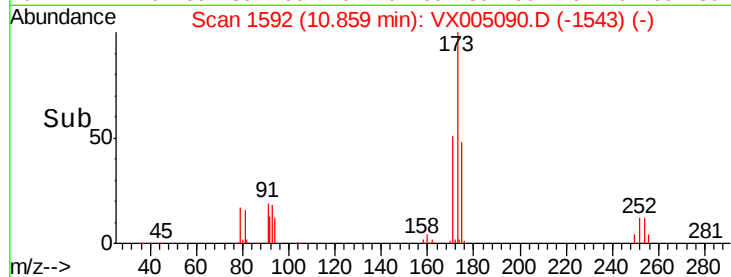
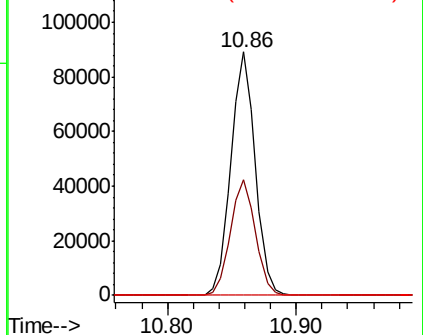


Abundance

Ion 172.70 (172.40 to 173.40): V

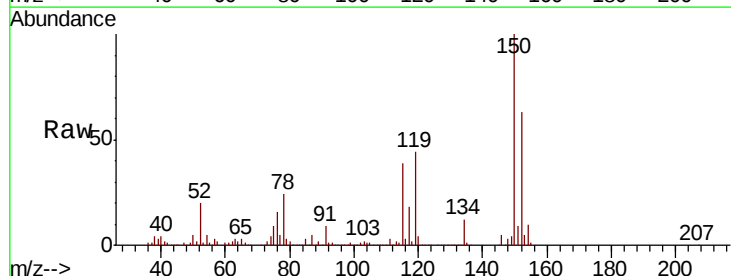
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.3	40.2	120.6
150	174.8	0.0	351.0

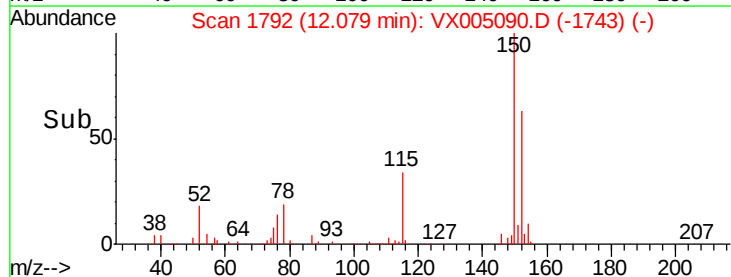
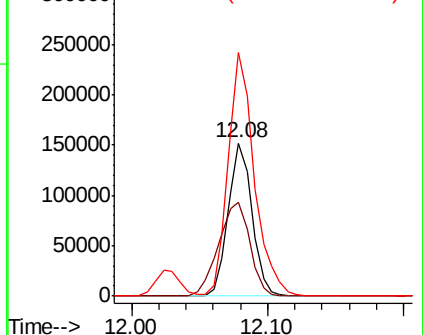


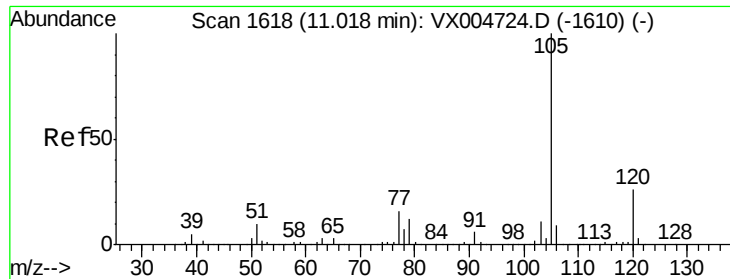
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





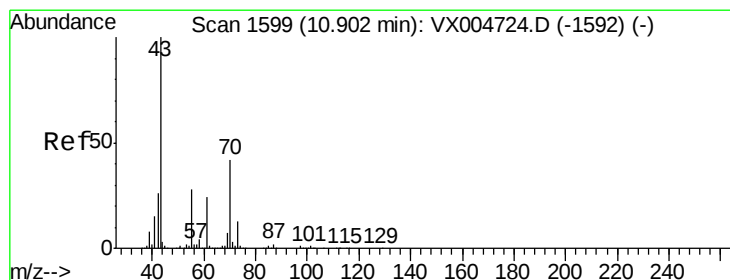
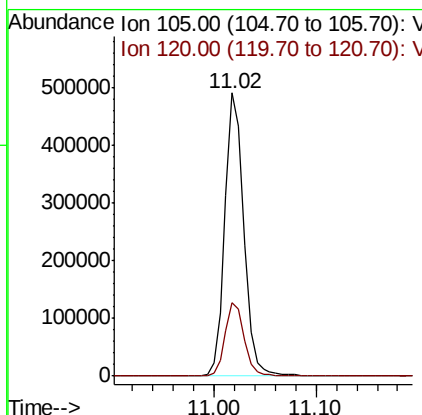
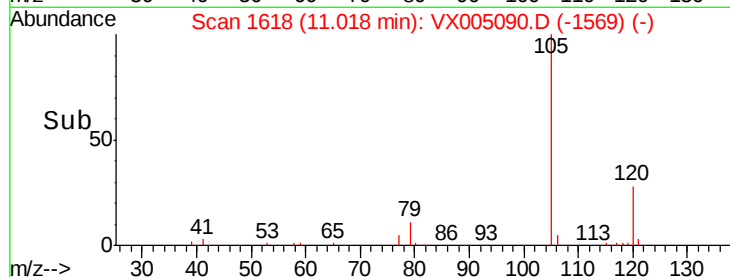
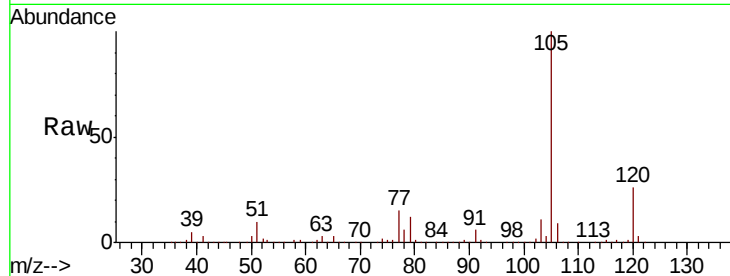
#73
Isopropylbenzene
Concen: 54.350 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 634941
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5

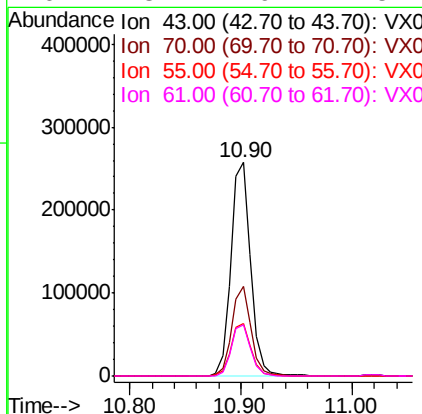
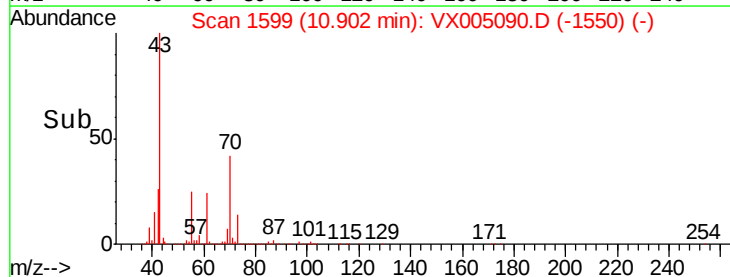
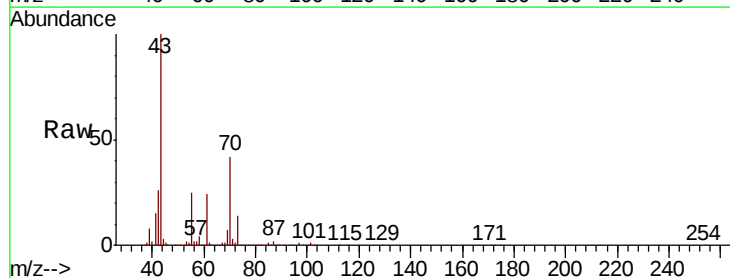
Manual Integrations
APPROVED

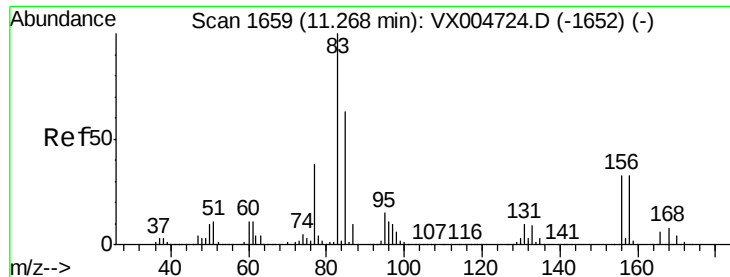
MMDadoda
10/8/2018 2:02:41 PM



#74
N-ethyl acetate
Concen: 48.800 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion: 43 Resp: 313075
Ion Ratio Lower Upper
43 100
70 41.0 32.6 48.8
55 25.0 21.6 32.4
61 23.7 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.653 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

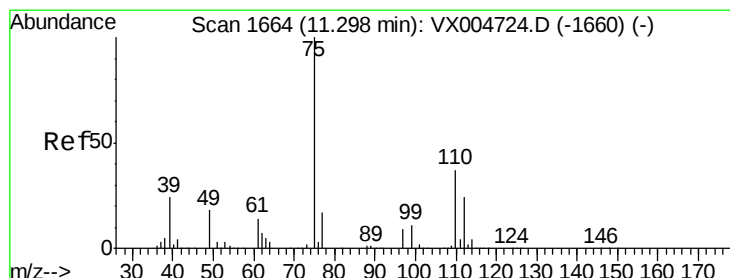
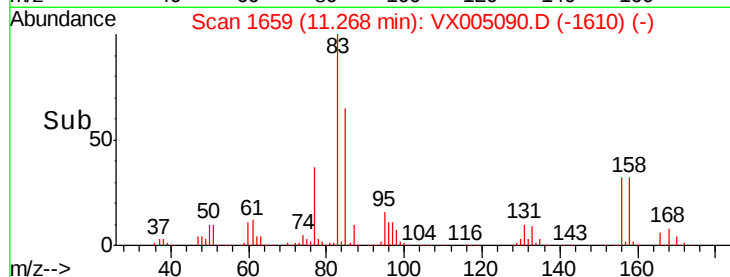
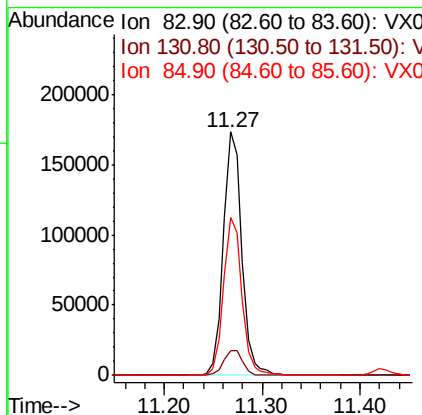
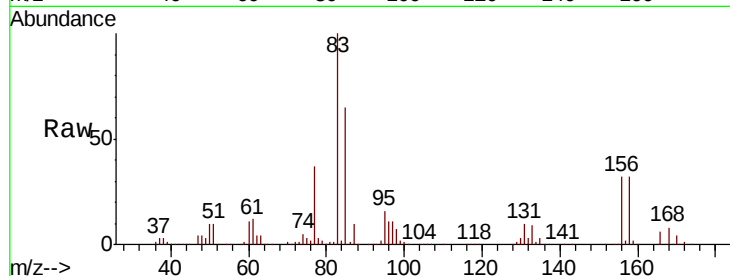
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	226615
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	64.7	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM



#76

1,2,3-Trichloropropane

Concen: 50.295 ug/l m

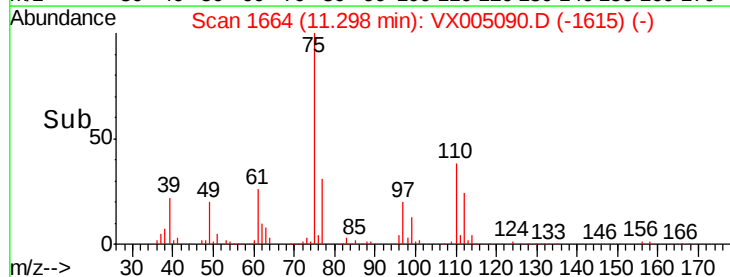
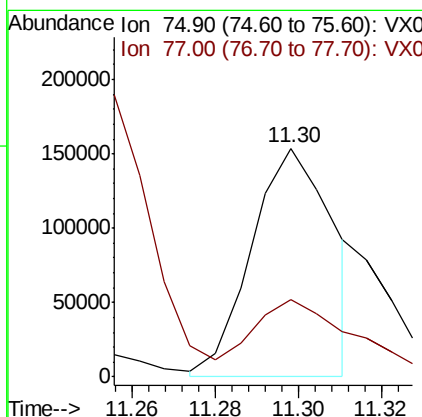
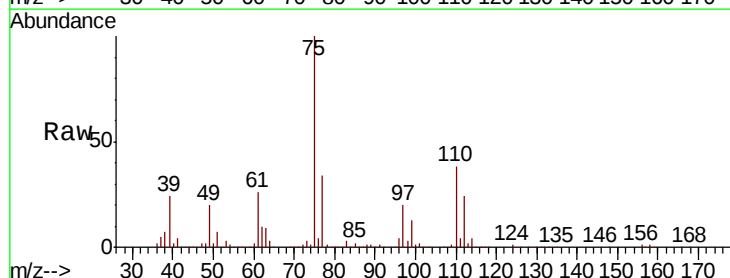
RT: 11.30 min Scan# 1664

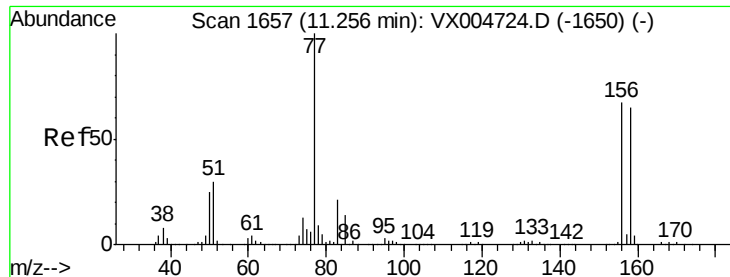
Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Tgt Ion:	75	Resp:	208933
Ion Ratio	Lower	Upper	
75	100		
77	42.4	21.4	64.3





#77

Bromobenzene

Concen: 49.921 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

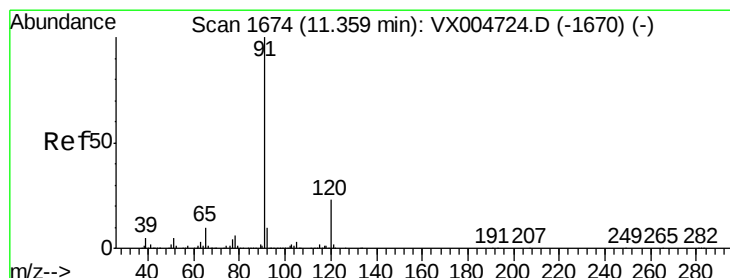
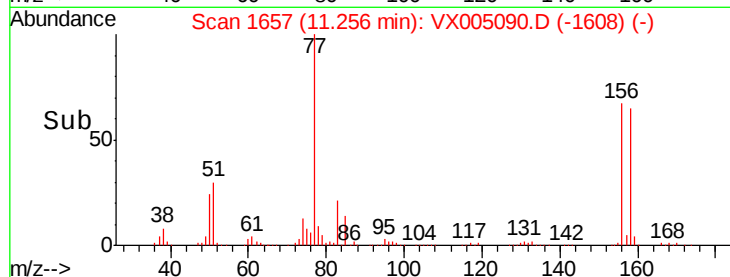
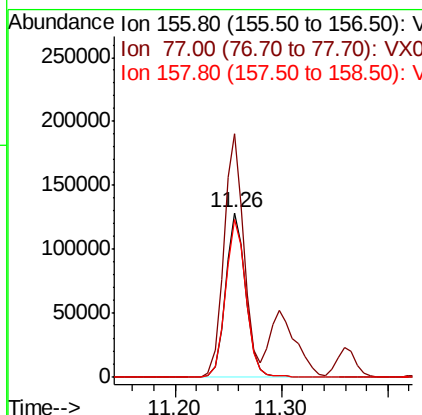
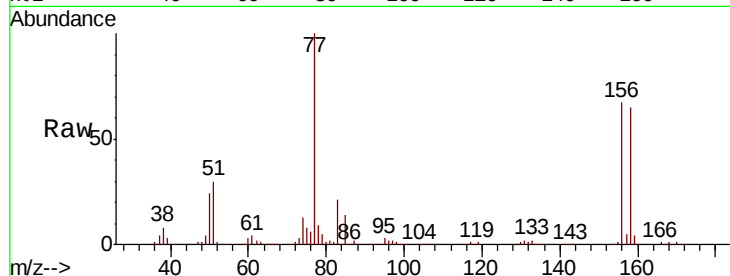
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	169394
Ion	Ratio	Lower	Upper
156	100		
77	146.9	73.4	220.2
158	98.0	49.1	147.4

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM



#78

n-propylbenzene

Concen: 54.165 ug/l

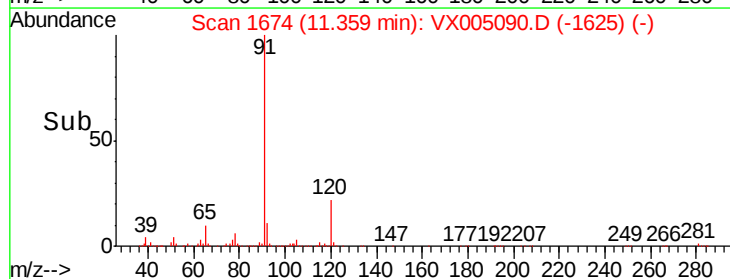
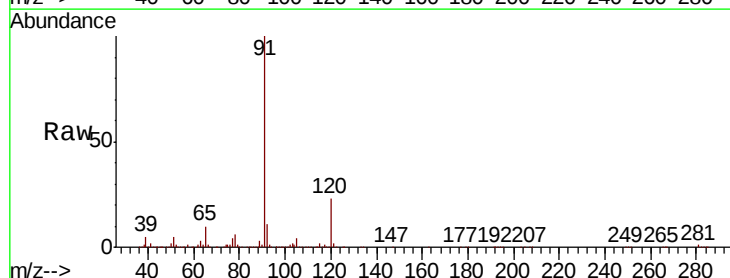
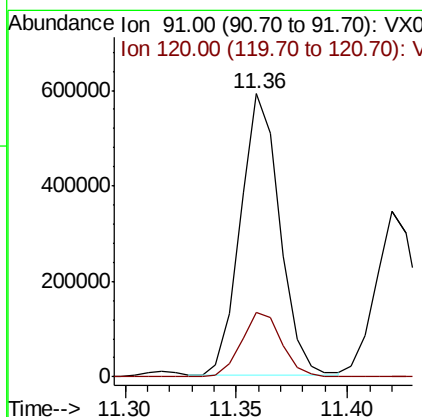
RT: 11.36 min Scan# 1674

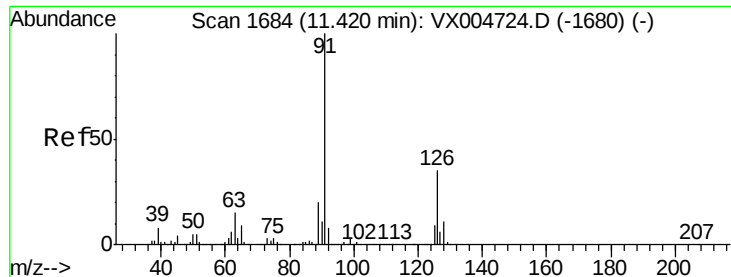
Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Tgt Ion:	91	Resp:	726040
Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 52.278 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 436786

Ion Ratio Lower Upper

91 100

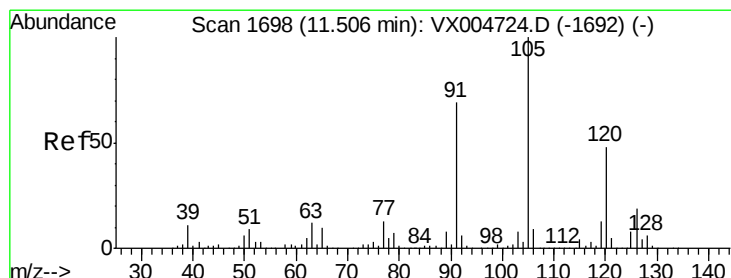
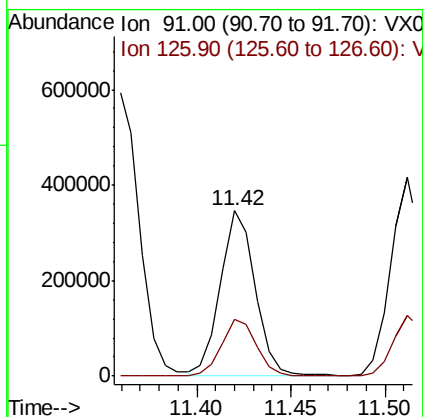
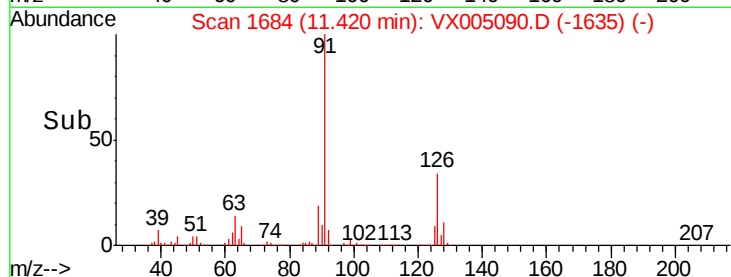
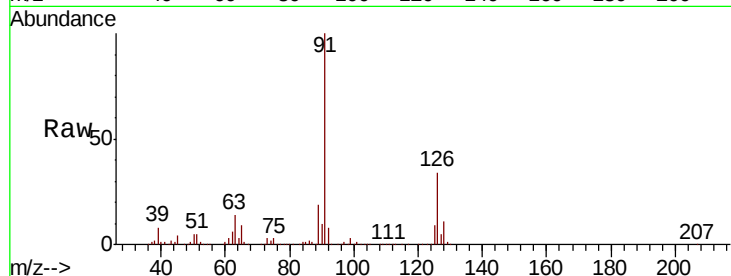
126 35.0 17.6 52.9

Manual Integrations

APPROVED

MMDadoda

10/8/2018 2:02:41 PM



#80

1,3,5-Trimethylbenzene

Concen: 50.513 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005090.D

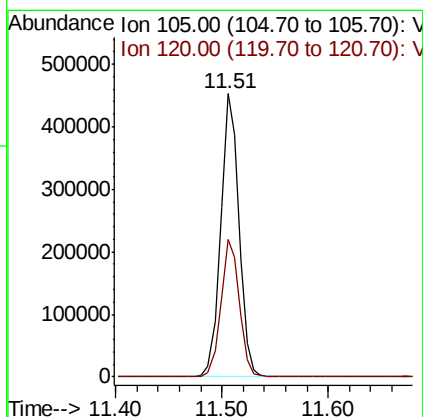
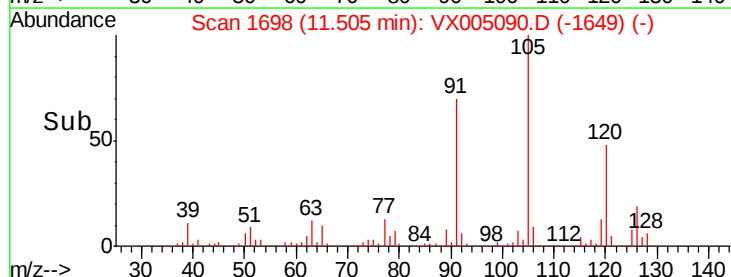
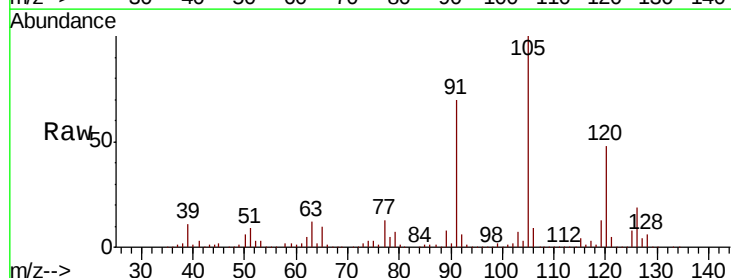
Acq: 06 Oct 2018 01:59

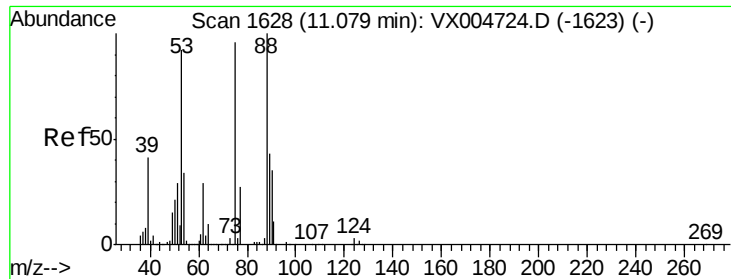
Tgt Ion: 105 Resp: 540835

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8





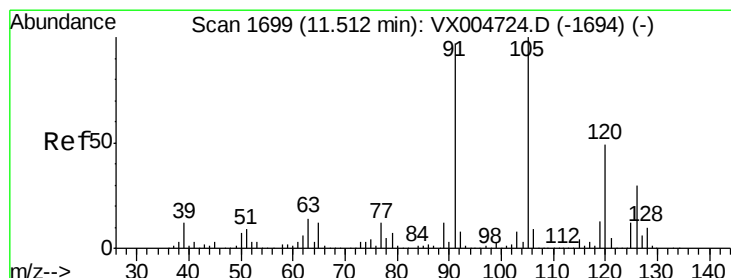
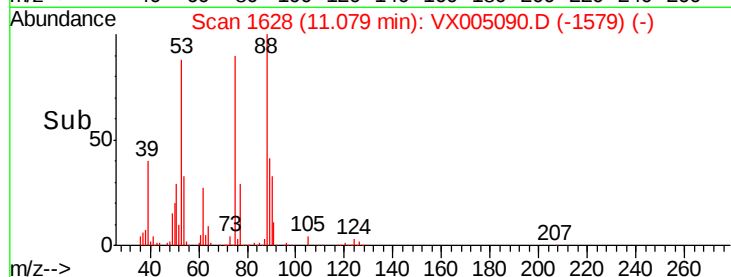
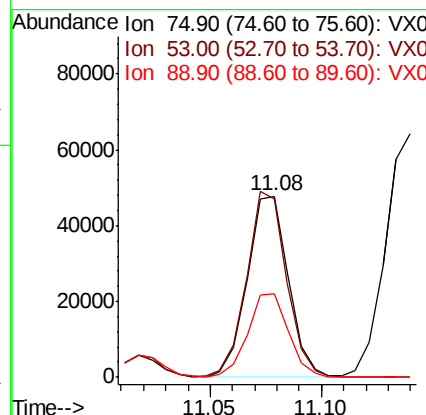
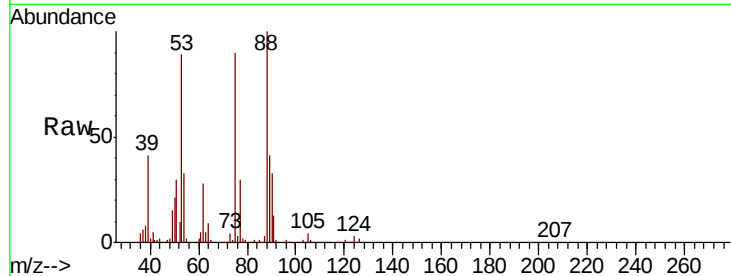
#81
trans-1,4-Dichloro-2-butene
Concen: 40.537 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.6	80.2	120.4
89	46.3	37.1	55.7

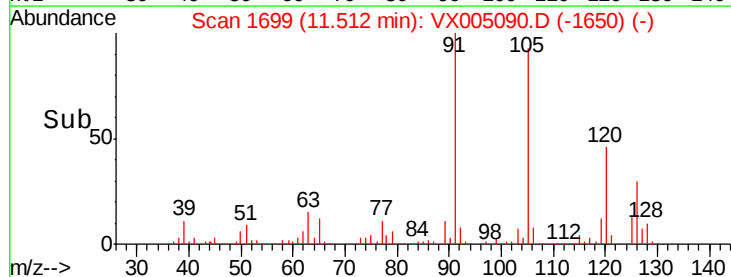
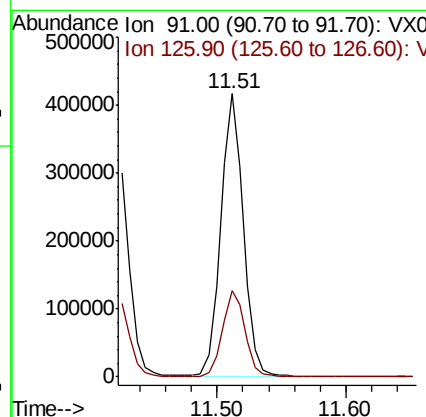
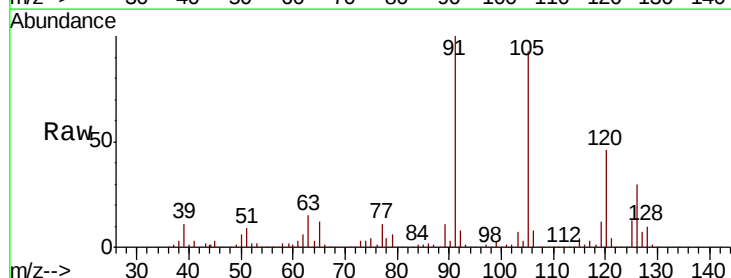
Manual Integrations
APPROVED

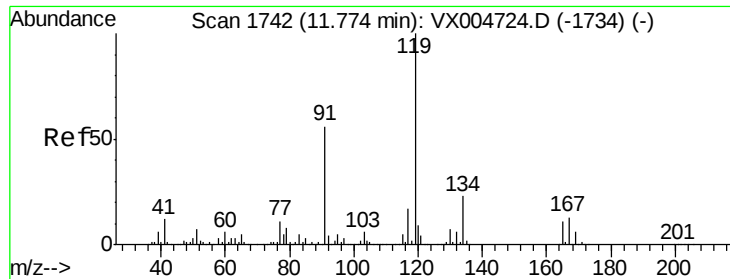
MMDadoda
10/8/2018 2:02:41 PM



#82
4-Chlorotoluene
Concen: 52.416 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.5	46.5





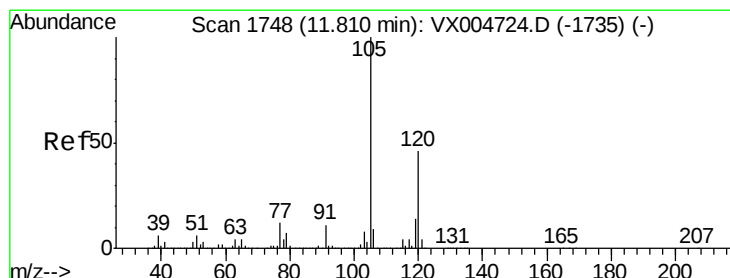
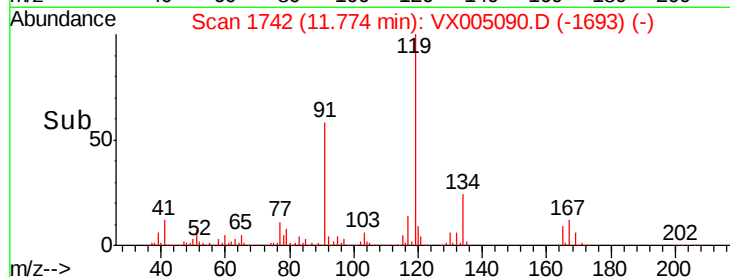
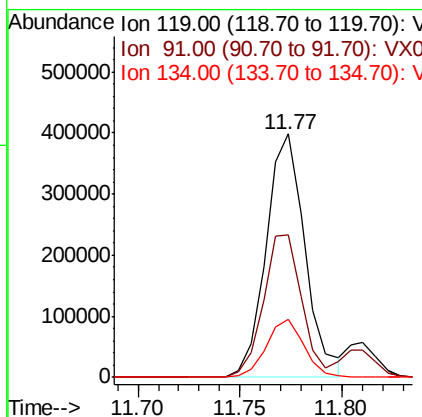
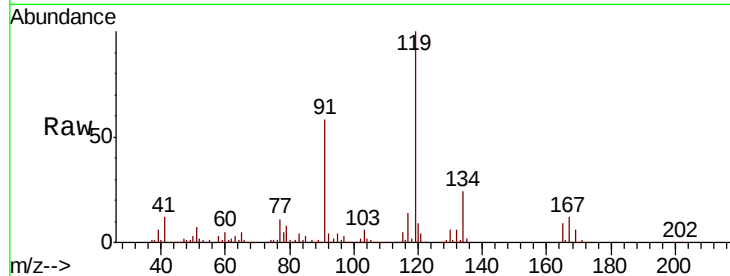
#83
 tert-Butylbenzene
 Concen: 55.098 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	529958		
91	57.4		27.5	82.5
134	23.0		11.5	34.4

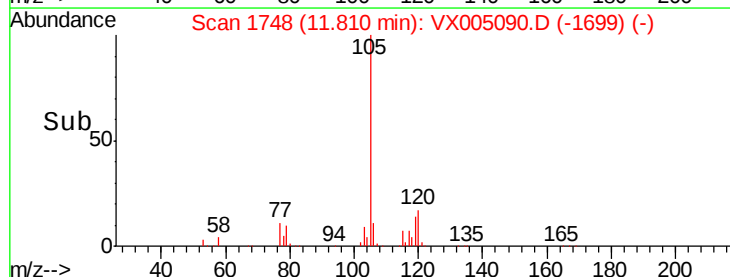
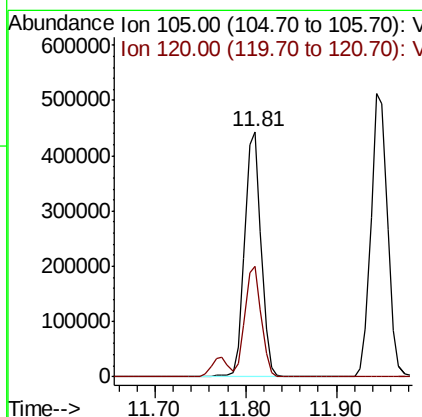
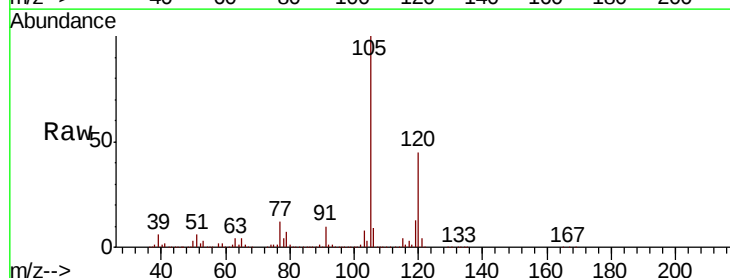
Manual Integrations
 APPROVED

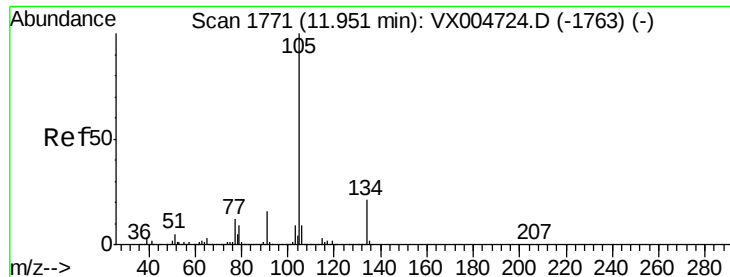
MMDadoda
 10/8/2018 2:02:41 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.562 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	558293		
120	44.9		22.8	68.3





#85

sec-Butylbenzene

Concen: 55.524 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 650500

Ion Ratio Lower Upper

105 100

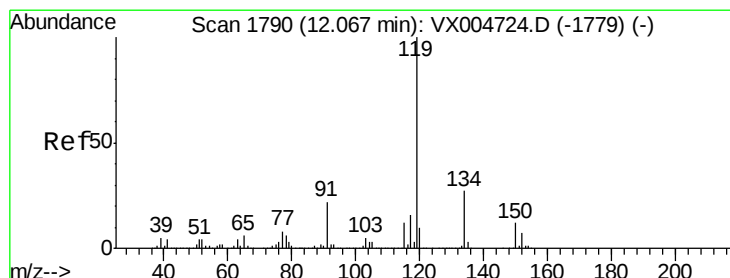
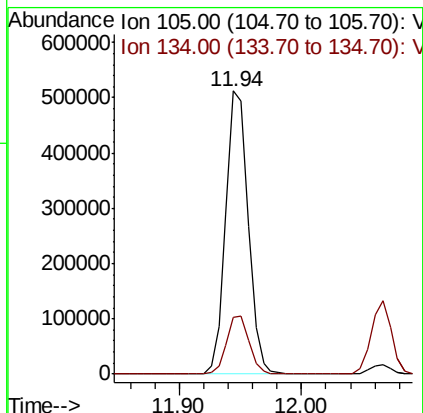
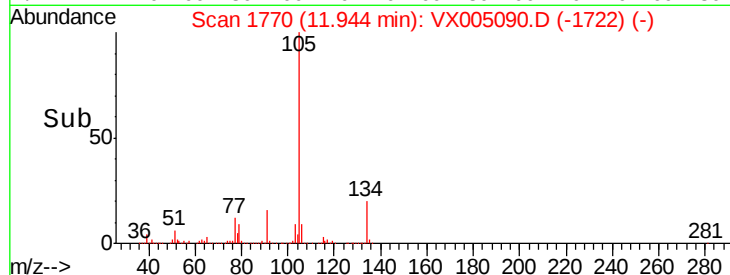
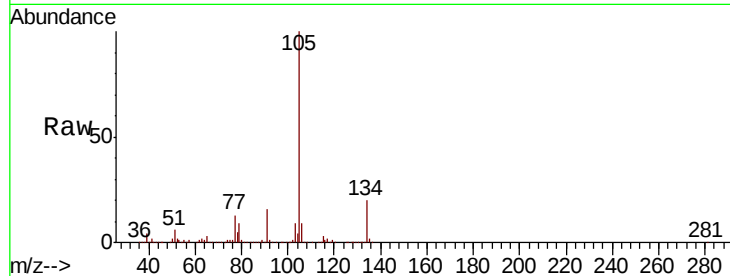
134 20.4 10.2 30.4

Manual Integrations

APPROVED

MMDadoda

10/8/2018 2:02:41 PM



#86

p-Isopropyltoluene

Concen: 54.822 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005090.D

Acq: 06 Oct 2018 01:59

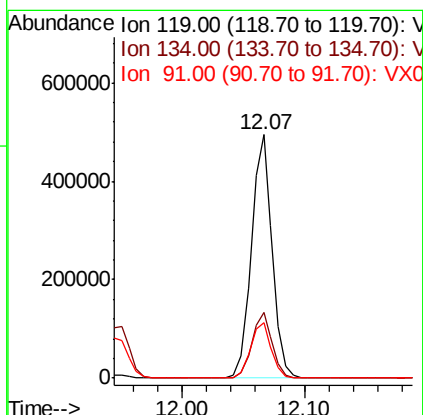
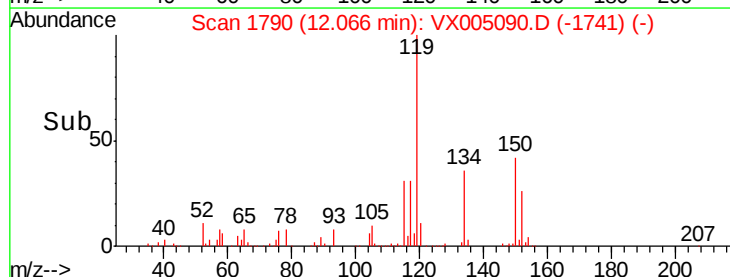
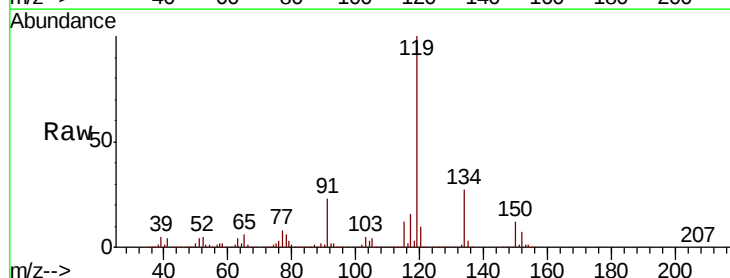
Tgt Ion:119 Resp: 581905

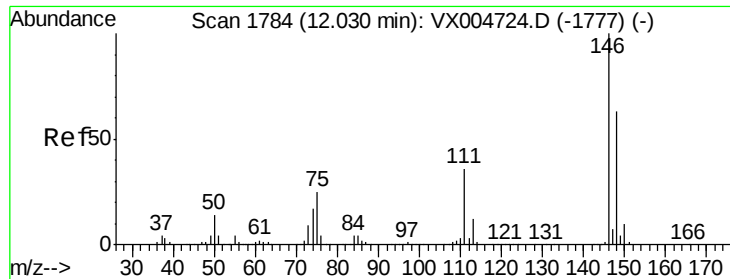
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 23.1 11.5 34.4





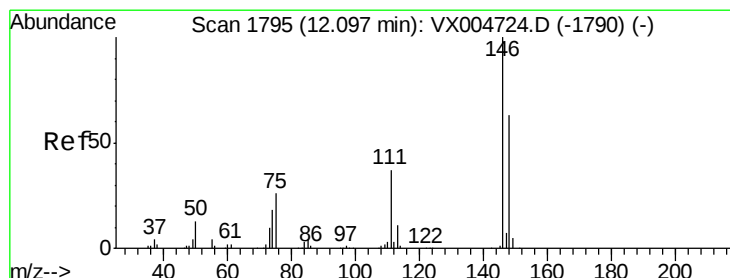
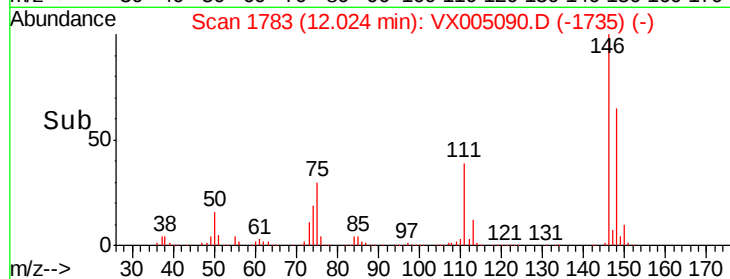
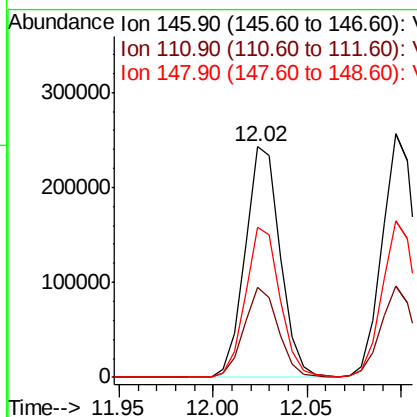
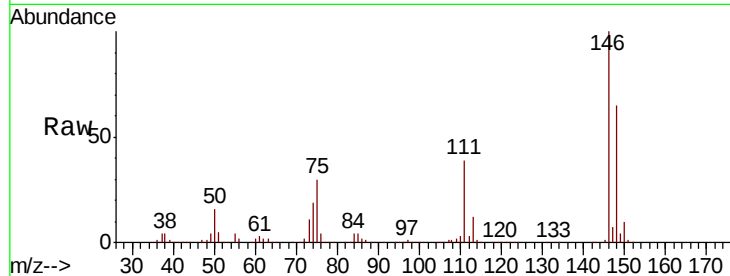
#87
 1,3-Dichlorobenzene
 Concen: 49.570 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	64.1	31.8	95.3

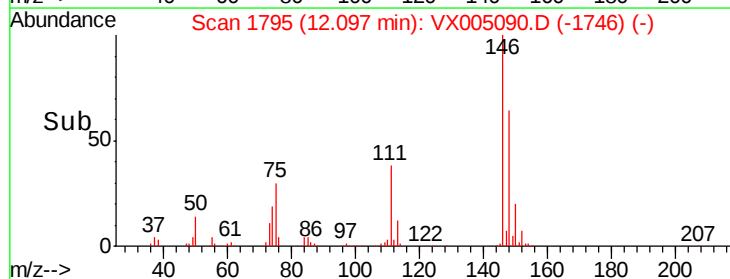
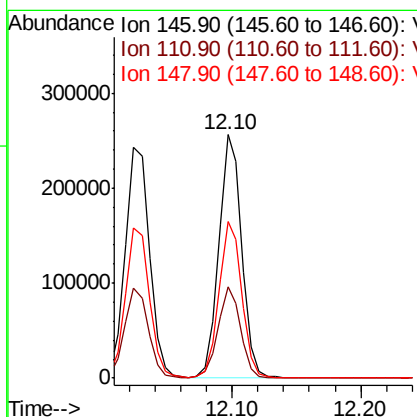
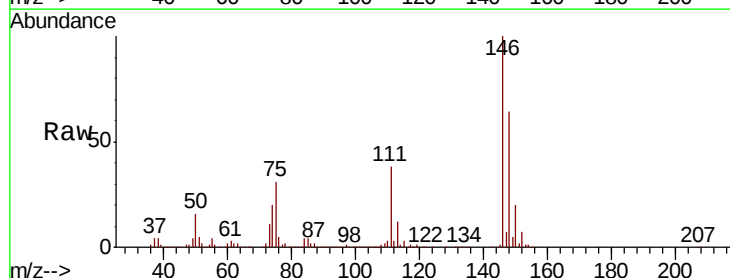
Manual Integrations
 APPROVED

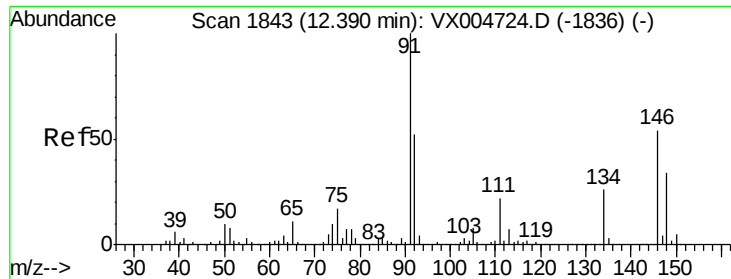
MMDadoda
 10/8/2018 2:02:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.965 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.2
148	64.4	32.0	96.0





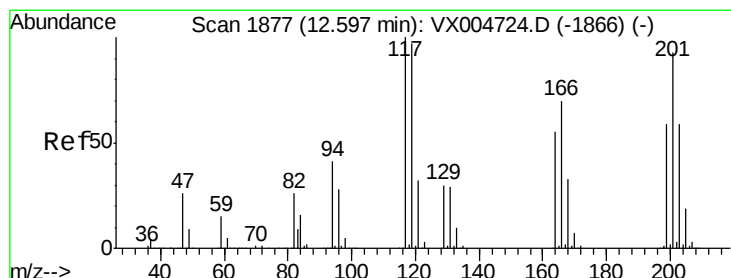
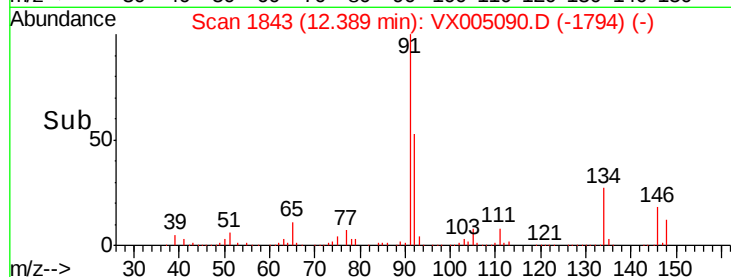
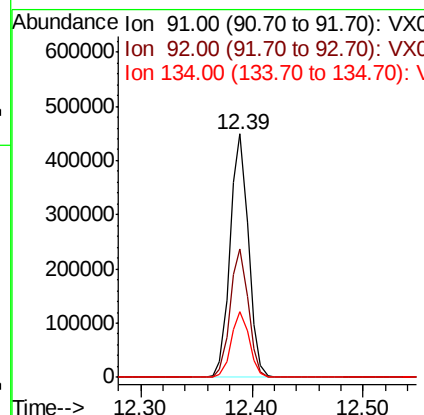
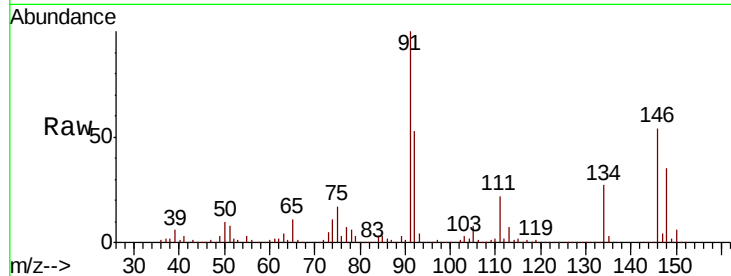
#89
n-Butylbenzene
Concen: 53.110 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.0	78.0
134	26.6	13.2	39.6

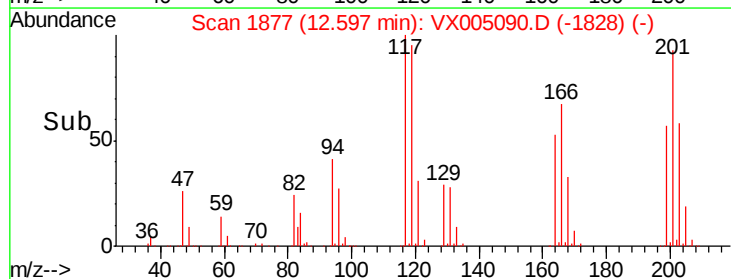
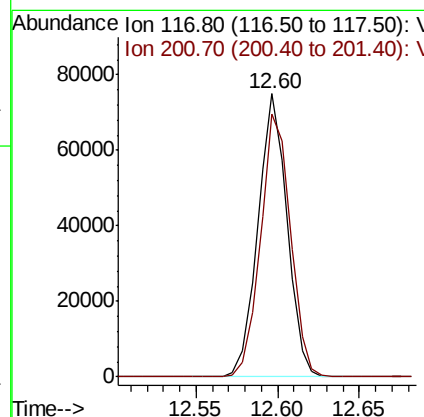
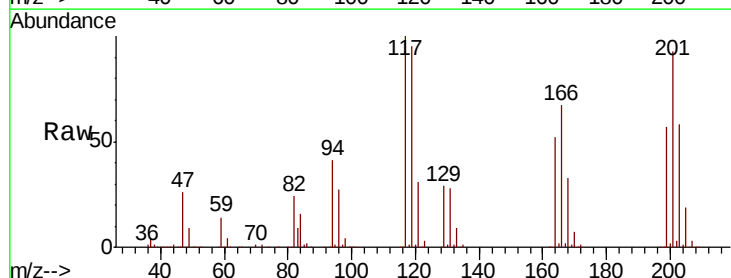
Manual Integrations
APPROVED

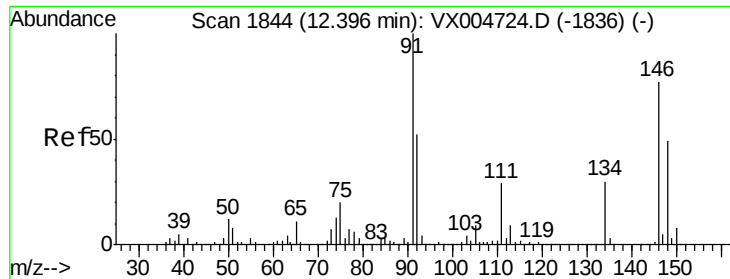
MMDadoda
10/8/2018 2:02:41 PM



#90
Hexachloroethane
Concen: 52.829 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.2	48.4	145.0





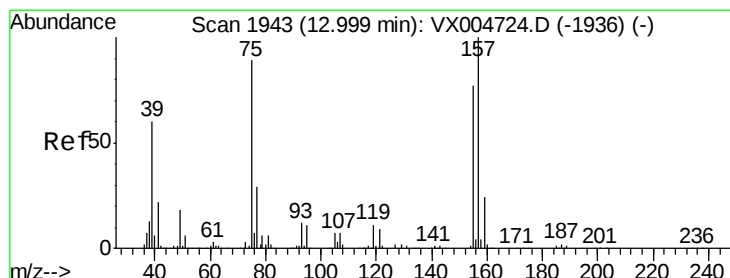
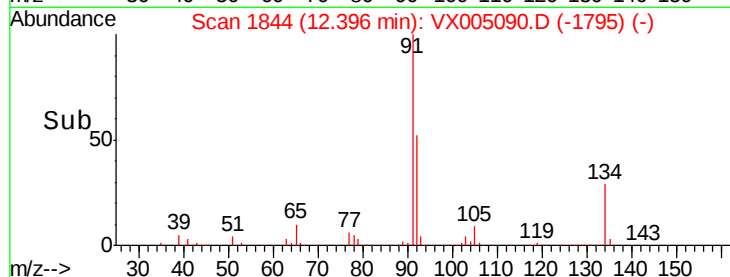
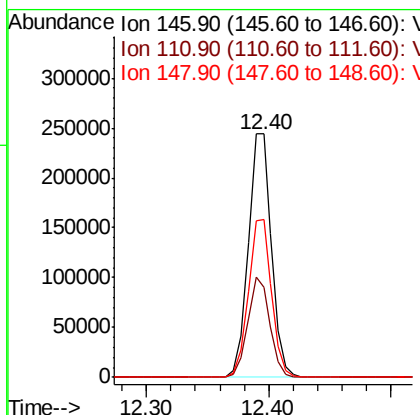
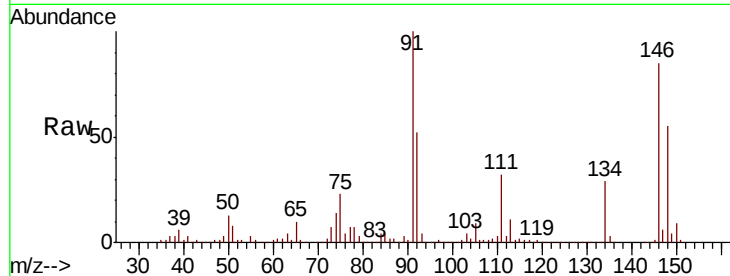
#91
 1,2-Dichlorobenzene
 Concen: 48.570 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.7
148	64.8	31.8	95.4

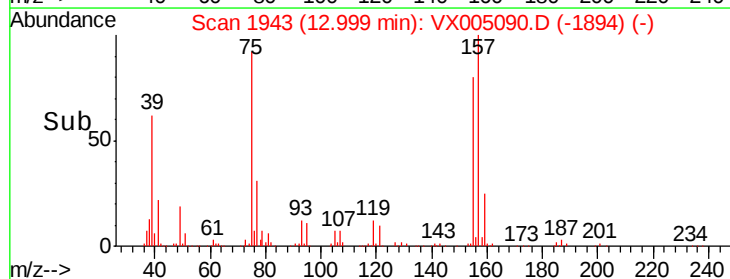
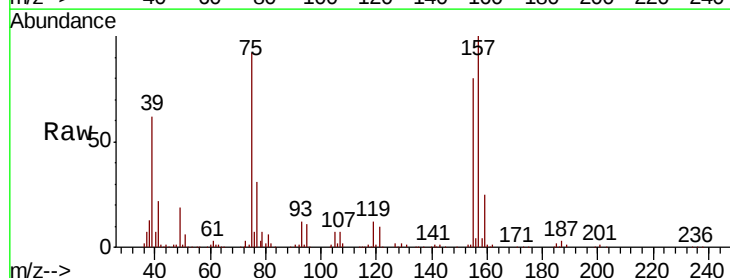
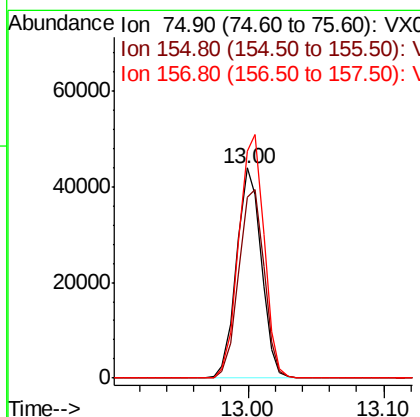
Manual Integrations
 APPROVED

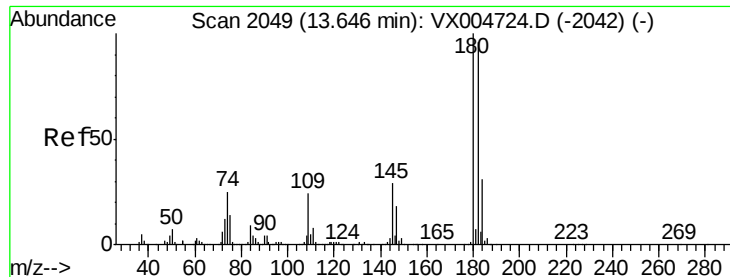
MMDadoda
 10/8/2018 2:02:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.564 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005090.D
 Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	46.1	138.3
157	118.4	60.2	180.6





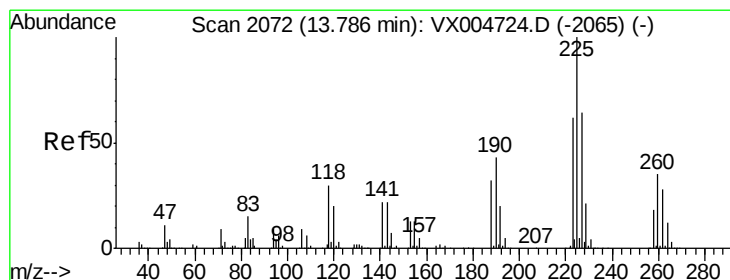
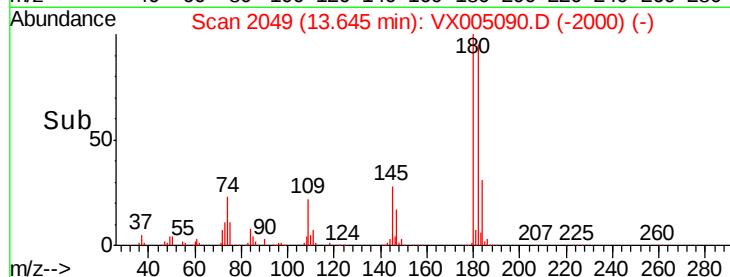
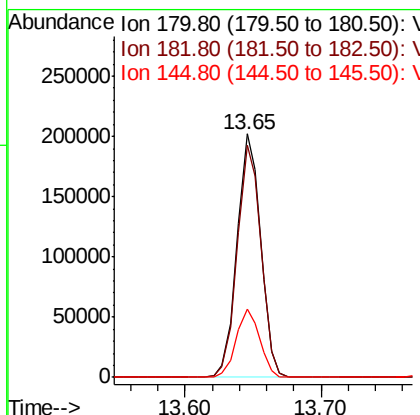
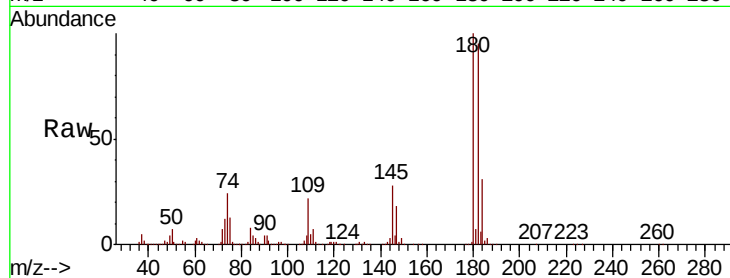
#93
1,2,4-Trichlorobenzene
Concen: 52.484 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.4
145	27.8	14.1	42.4

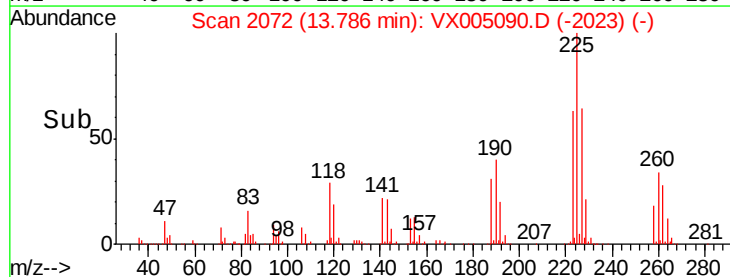
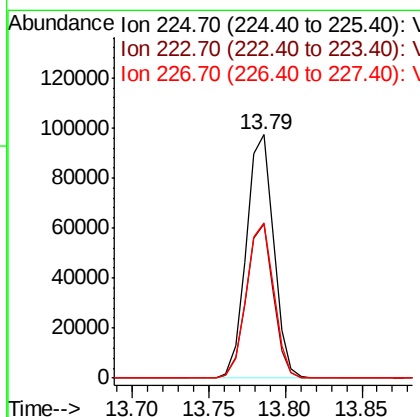
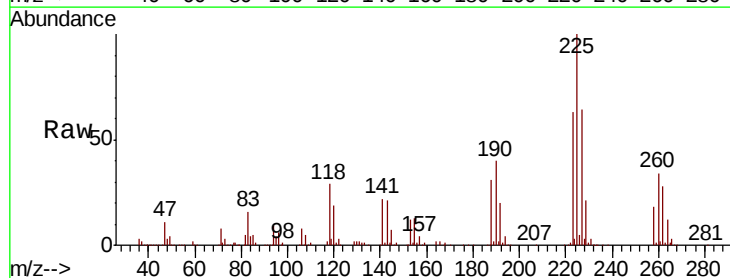
Manual Integrations
APPROVED

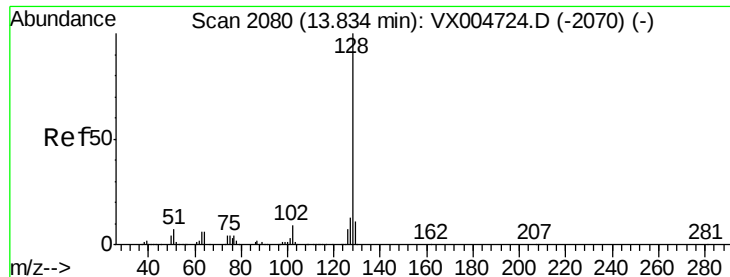
MMDadoda
10/8/2018 2:02:41 PM



#94
Hexachlorobutadiene
Concen: 49.962 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.3	93.8
227	63.9	31.9	95.5





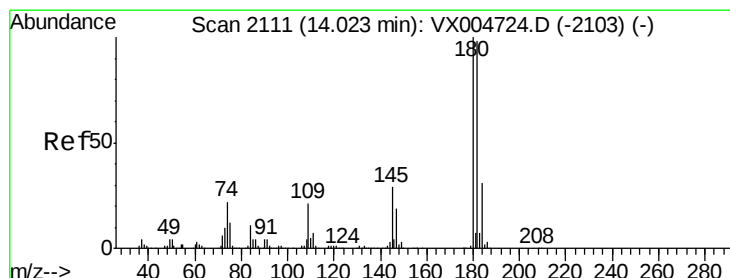
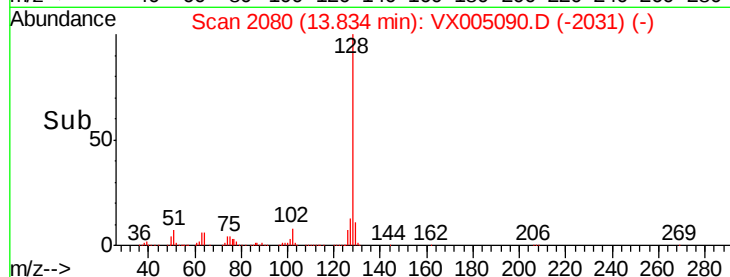
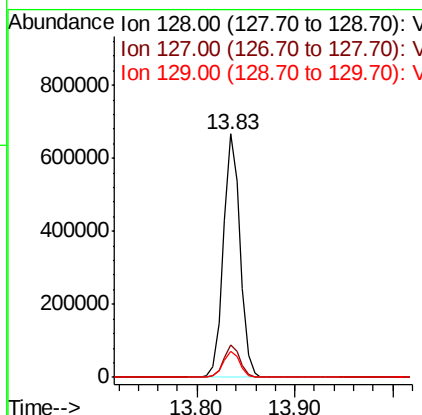
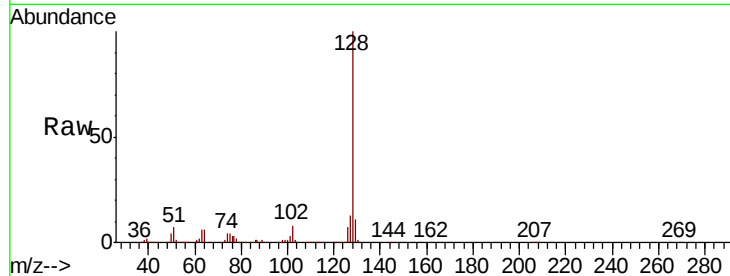
#95
Naphthalene
Concen: 50.714 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.452 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005090.D
Acq: 06 Oct 2018 01:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	30.0	15.0	45.0

