

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100918\
 Data File : VX005180.D
 Acq On : 10 Oct 2018 00:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 2:08:16 PM

Quant Time: Oct 10 08:10:31 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	197963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	290161	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	276444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	141698	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
35) Dibromofluoromethane	5.50	113	113183	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
50) Toluene-d8	8.72	98	416217	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.14	95	158480	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	175795	65.129	ug/l	89
3) Chloromethane	1.32	50	178990	54.658	ug/l	99
4) Vinyl Chloride	1.40	62	199204	64.858	ug/l	90
5) Bromomethane	1.64	94	103472	56.812	ug/l	96
6) Chloroethane	1.71	64	101076	60.893	ug/l	97
7) Trichlorofluoromethane	1.92	101	221631	58.288	ug/l	95
8) Diethyl Ether	2.19	74	86603	52.428	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	120264	55.525	ug/l	99
10) Methyl Iodide	2.51	142	147140	50.767	ug/l	92
11) Tert butyl alcohol	3.08	59	218668	276.547	ug/l	99
12) 1,1-Dichloroethene	2.37	96	117283	54.677	ug/l	93
13) Acrolein	2.29	56	131680	234.062	ug/l	91
14) Allyl chloride	2.72	41	256315	54.766	ug/l	95
15) Acrylonitrile	3.15	53	477596	274.378	ug/l	96
16) Acetone	2.45	43	431047	261.085	ug/l	92
17) Carbon Disulfide	2.56	76	348263	54.032	ug/l	100
18) Methyl Acetate	2.78	43	242276	57.920	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	421598	56.982	ug/l	96
20) Methylene Chloride	2.85	84	134553	56.156	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	123740	52.698	ug/l	86
22) Diisopropyl ether	3.87	45	419801	53.267	ug/l	98
23) Vinyl Acetate	3.82	43	1888201	261.742	ug/l	99
24) 1,1-Dichloroethane	3.70	63	251345	53.465	ug/l	99
25) 2-Butanone	4.71	43	626133	257.287	ug/l	98
26) 2,2-Dichloropropane	4.59	77	131433	40.149	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	134971	51.454	ug/l	99
28) Bromochloromethane	5.02	49	102005	46.076	ug/l	98
29) Tetrahydrofuran	5.16	42	411768	272.231	ug/l	98
30) Chloroform	5.21	83	224277	50.478	ug/l	98
31) Cyclohexane	5.57	56	203214	56.478	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	195920	53.994	ug/l	95
36) 1,1-Dichloropropene	5.79	75	173514	51.715	ug/l	92
37) Ethyl Acetate	4.86	43	221705	49.780	ug/l	98
38) Carbon Tetrachloride	5.78	117	174871	49.582	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100918\
 Data File : VX005180.D
 Acq On : 10 Oct 2018 00:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 2:08:16 PM

Quant Time: Oct 10 08:10:31 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	192638	56.228	ug/l #	85
40) Benzene	6.13	78	547847	52.156	ug/l	90
41) Methacrylonitrile	5.06	41	122533	49.610	ug/l	97
42) 1,2-Dichloroethane	6.20	62	182844	49.240	ug/l	97
43) Isopropyl Acetate	6.46	43	326206	50.746	ug/l	97
44) Trichloroethene	7.21	130	137150	53.113	ug/l	95
45) 1,2-Dichloropropane	7.52	63	135563	52.627	ug/l	98
46) Dibromomethane	7.66	93	87529	54.068	ug/l	100
47) Bromodichloromethane	7.90	83	169520	55.929	ug/l	99
48) Methyl methacrylate	7.78	41	173967	59.625	ug/l	99
49) 1,4-Dioxane	7.76	88	80548	1111.213	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1177712	290.972	ug/l	99
52) Toluene	8.79	92	318548	55.190	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	179664	52.455	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	196088	54.658	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	130369	51.565	ug/l	96
56) Ethyl methacrylate	9.18	69	207246	50.485	ug/l	98
57) 1,3-Dichloropropane	9.37	76	219163	52.084	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	522584	240.464	ug/l	99
59) 2-Hexanone	9.50	43	941997	279.287	ug/l	95
60) Dibromochloromethane	9.59	129	138406	54.740	ug/l	98
61) 1,2-Dibromoethane	9.68	107	138326	51.087	ug/l	95
64) Tetrachloroethene	9.34	164	140417	51.609	ug/l	96
65) Chlorobenzene	10.14	112	354641	50.028	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	131013	52.571	ug/l	99
67) Ethyl Benzene	10.26	91	609938	54.196	ug/l	96
68) m/p-Xylenes	10.36	106	475453	108.109	ug/l	95
69) o-Xylene	10.70	106	228217	56.497	ug/l	99
70) Styrene	10.71	104	388170	51.320	ug/l	100
71) Bromoform	10.86	173	114439	53.637	ug/l #	97
73) Isopropylbenzene	11.02	105	619754	56.090	ug/l	100
74) N-amyl acetate	10.90	43	298648	49.204	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	217922	48.451	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	202974m	51.660	ug/l	
77) Bromobenzene	11.26	156	165567	51.589	ug/l	100
78) n-propylbenzene	11.36	91	717820	56.621	ug/l	99
79) 2-Chlorotoluene	11.42	91	425985	53.907	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	531119	52.456	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	57476	40.299	ug/l	97
82) 4-Chlorotoluene	11.51	91	503578	54.141	ug/l	99
83) tert-Butylbenzene	11.77	119	525219	57.734	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	546264	52.315	ug/l	99
85) sec-Butylbenzene	11.94	105	631885	57.026	ug/l	100
86) p-Isopropyltoluene	12.07	119	569952	56.773	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	307439	51.302	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	310442	50.182	ug/l	100
89) n-Butylbenzene	12.39	91	498021	54.623	ug/l	99
90) Hexachloroethane	12.60	117	90653	54.235	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	312577	49.911	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	54766	55.455	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
Data File : VX005180.D
Acq On : 10 Oct 2018 00:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

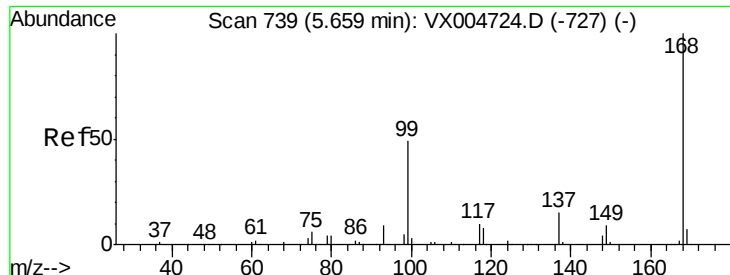
Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM

Quant Time: Oct 10 08:10:31 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	234469	53.371	ug/l	100
94) Hexachlorobutadiene	13.79	225	113991	50.038	ug/l	99
95) Naphthalene	13.83	128	746608	51.186	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	244282	53.828	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: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 197963

Ion Ratio Lower Upper

168 100

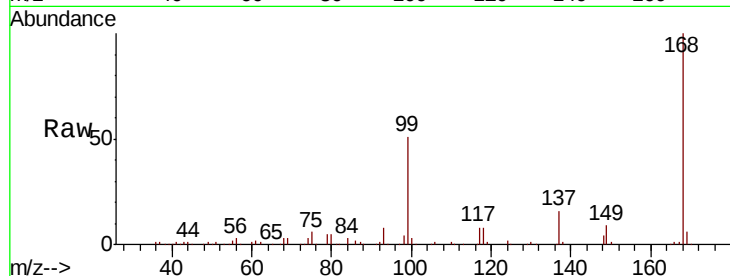
99 51.2 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

10/10/2018 2:08:16 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

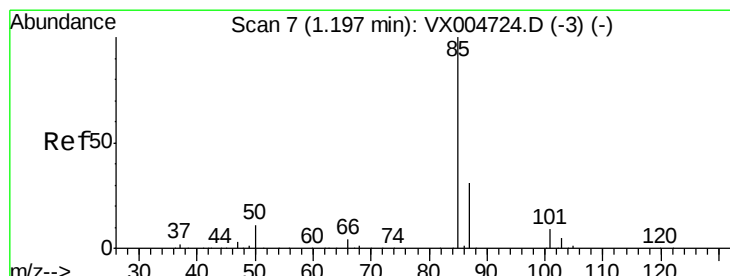
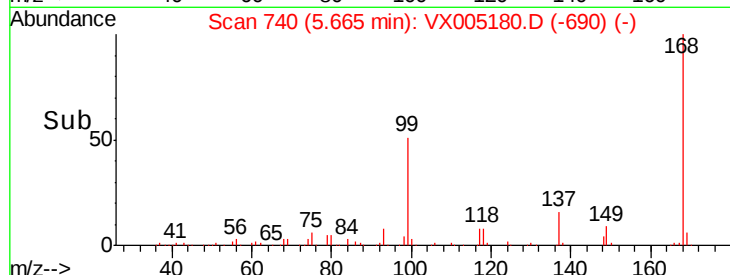
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 65.129 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005180.D

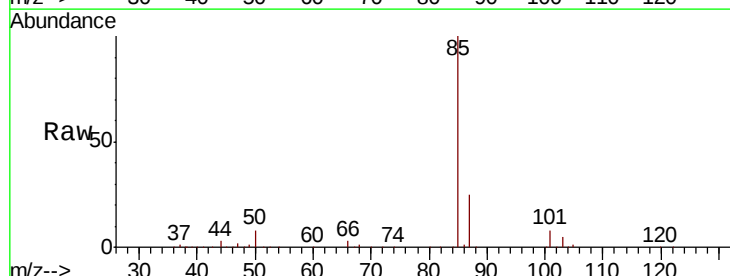
Acq: 10 Oct 2018 00:44

Tgt Ion: 85 Resp: 175795

Ion Ratio Lower Upper

85 100

87 25.5 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

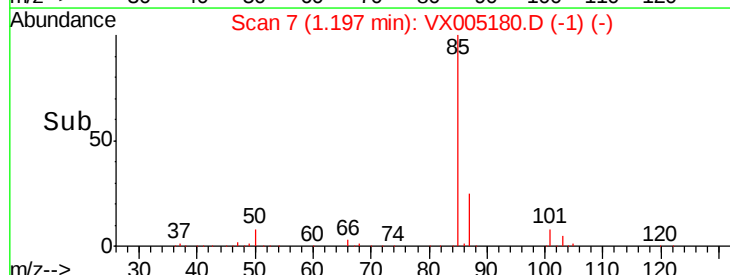
100000

50000

0

Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 54.658 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 178990

Ion Ratio Lower Upper

50 100

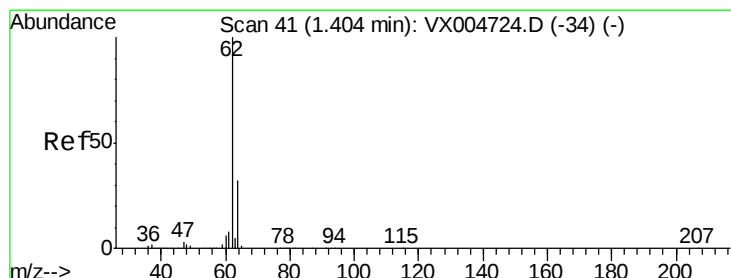
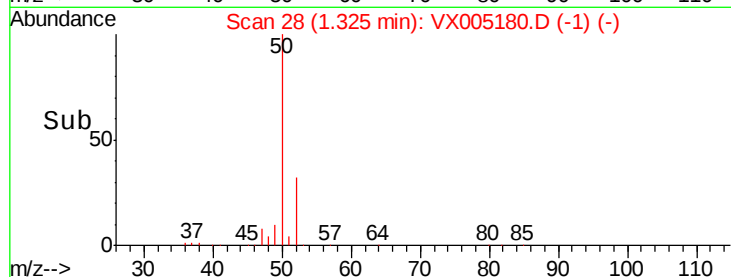
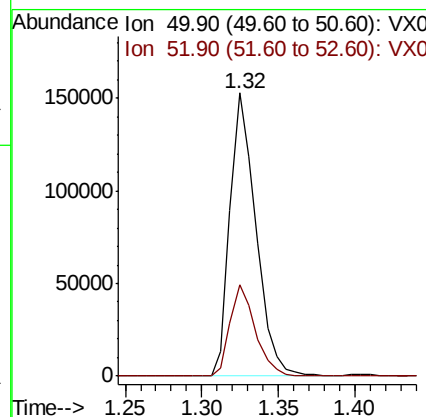
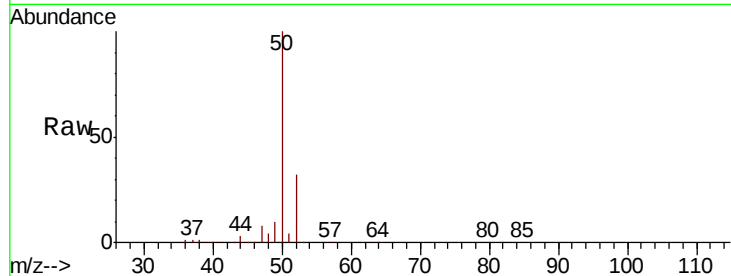
52 32.5 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/10/2018 2:08:16 PM



#4

Vinyl Chloride

Concen: 64.858 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005180.D

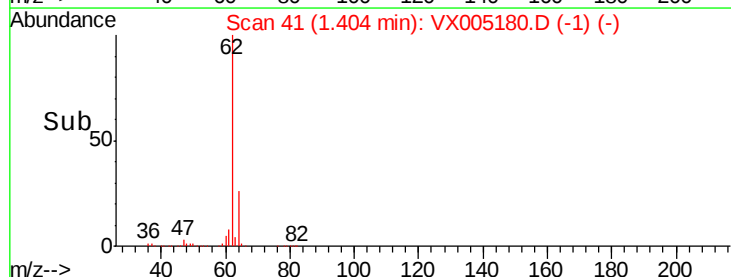
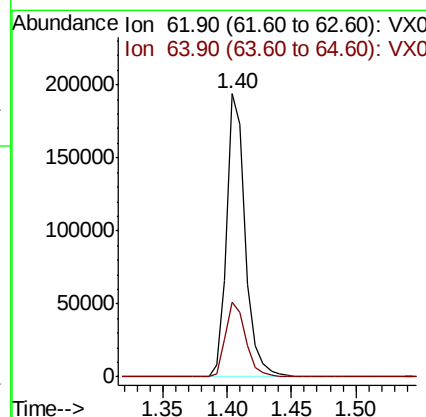
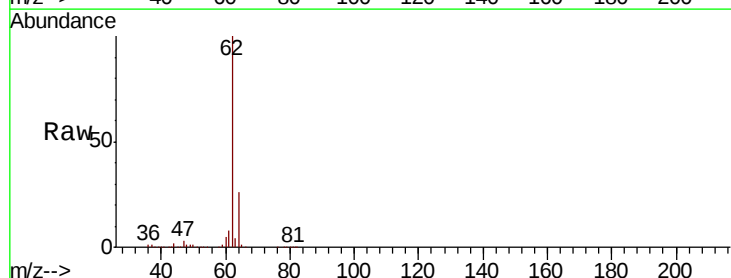
Acq: 10 Oct 2018 00:44

Tgt Ion: 62 Resp: 199204

Ion Ratio Lower Upper

62 100

64 26.4 25.5 38.3





#5

Bromomethane

Concen: 56.812 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 103472

Ion Ratio Lower Upper

94 100

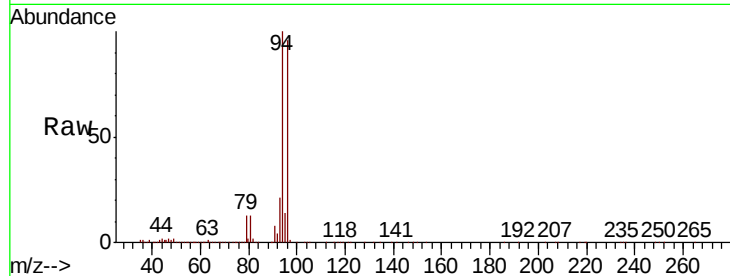
96 95.9 79.5 119.3

Manual Integrations

APPROVED

MMDadoda

10/10/2018 2:08:16 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

120000

100000

80000

60000

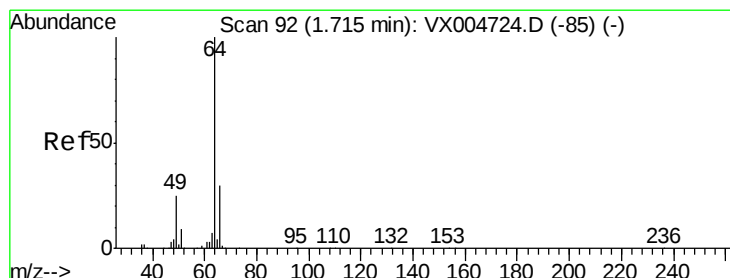
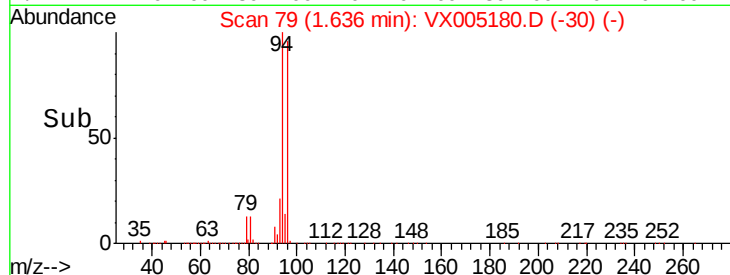
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 60.893 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005180.D

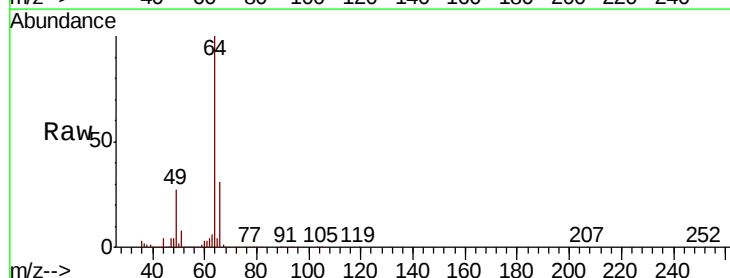
Acq: 10 Oct 2018 00:44

Tgt Ion: 64 Resp: 101076

Ion Ratio Lower Upper

64 100

66 31.2 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80000

60000

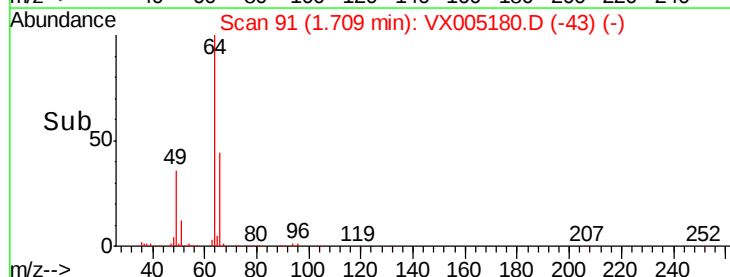
40000

20000

0

1.65 1.70 1.75 1.80

Time-->





#7

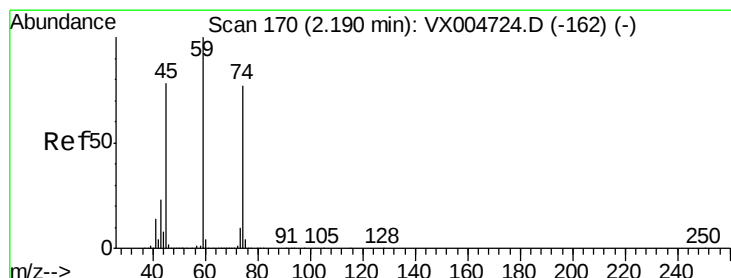
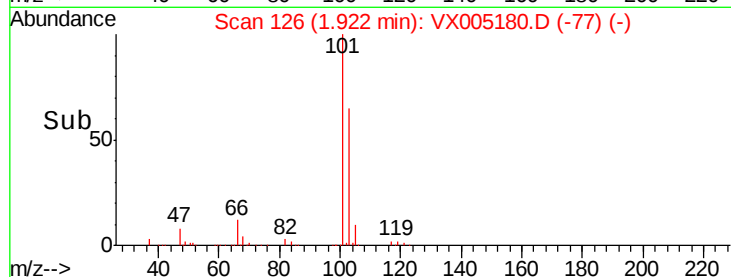
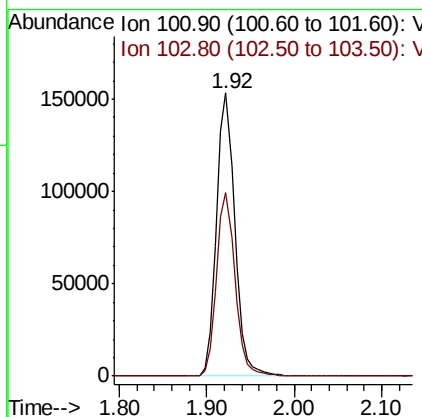
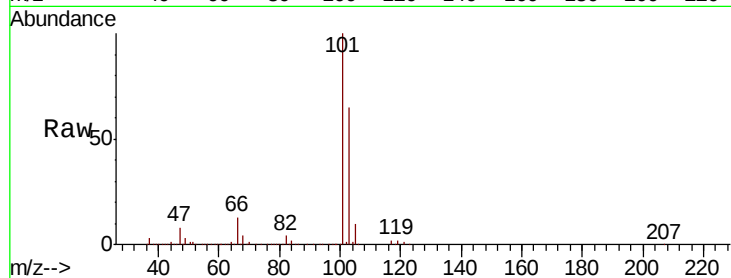
Trichlorofluoromethane
Concen: 58.288 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	48.4	72.6

Manual Integrations
APPROVED

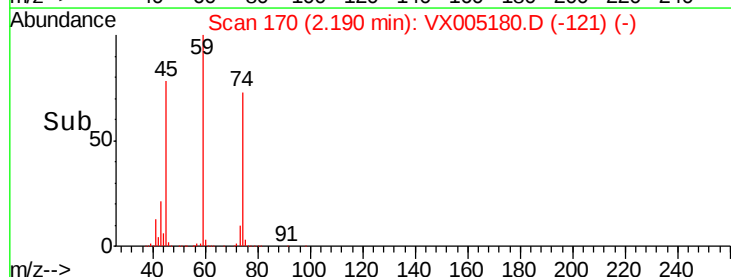
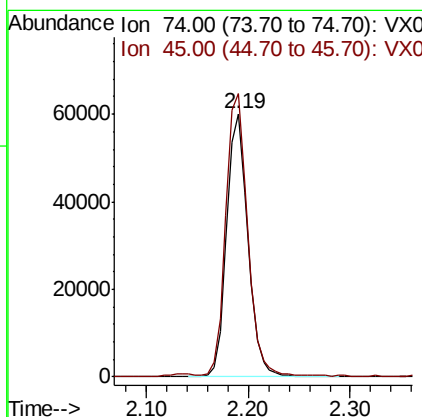
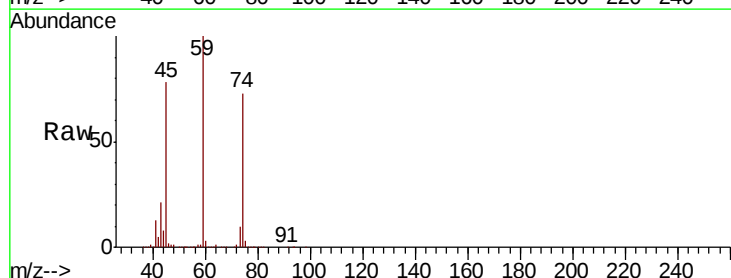
MMDadoda
10/10/2018 2:08:16 PM

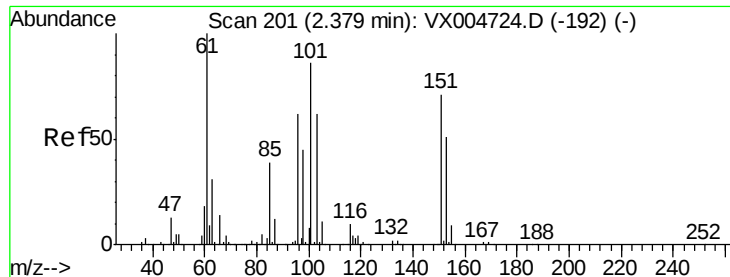


#8

Diethyl Ether
Concen: 52.428 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.1	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.525 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

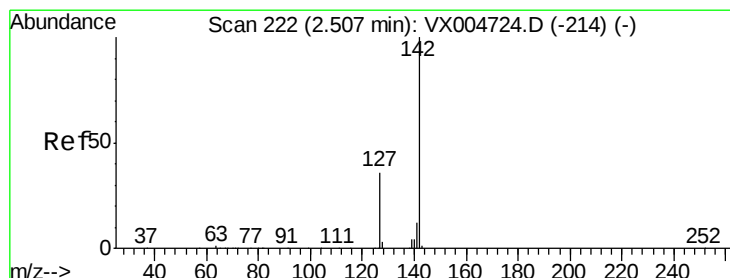
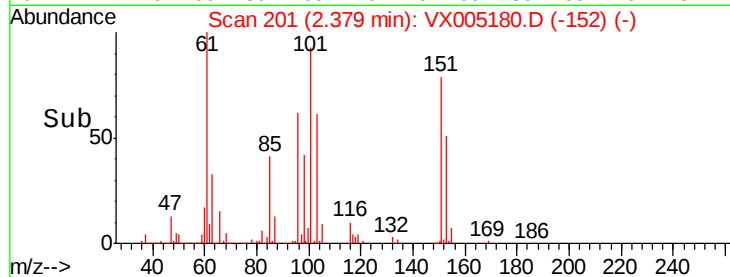
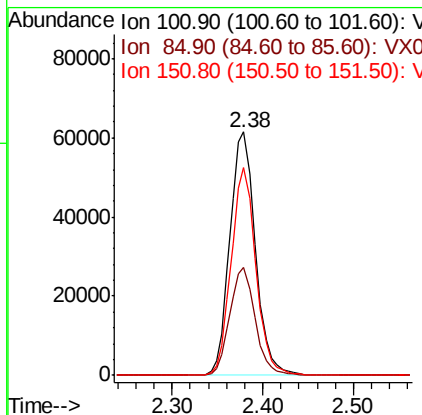
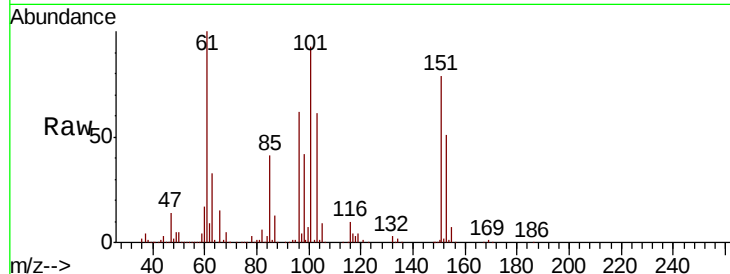
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	120264
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.9	53.9
151	82.4	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#10

Methyl Iodide

Concen: 50.767 ug/l

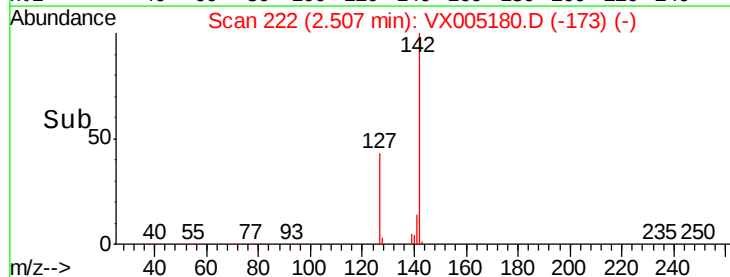
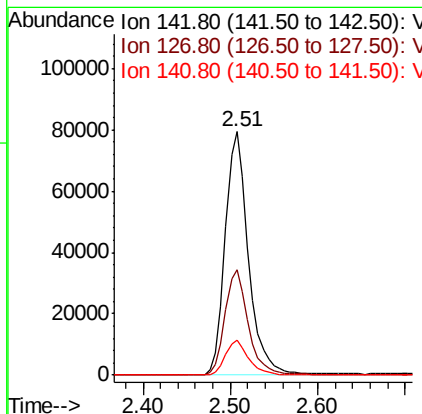
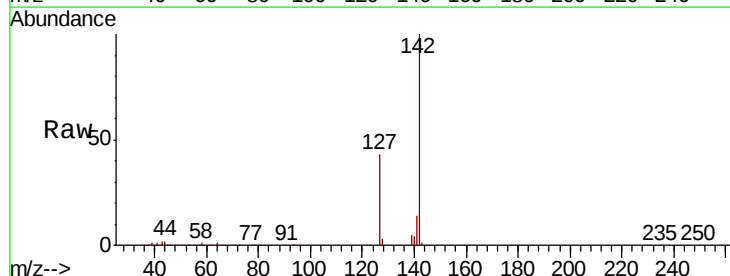
RT: 2.51 min Scan# 222

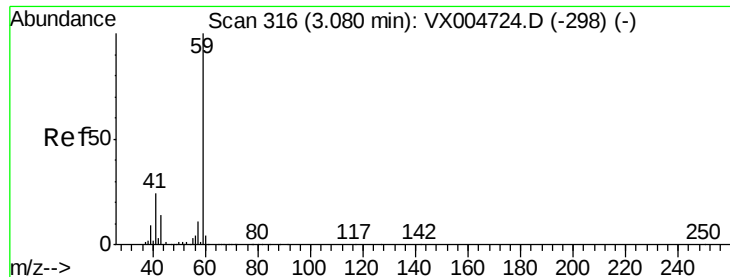
Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Tgt Ion:	142	Resp:	147140
Ion Ratio	Lower	Upper	
142	100		
127	43.3	30.1	45.1
141	14.4	10.1	15.1





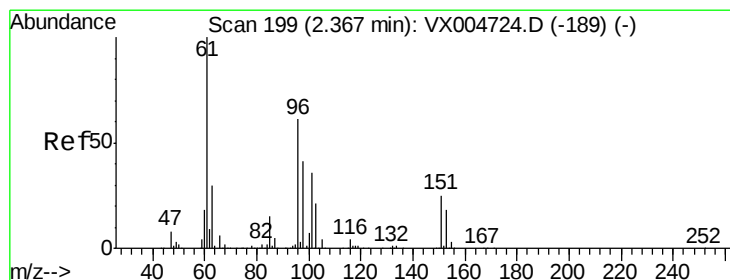
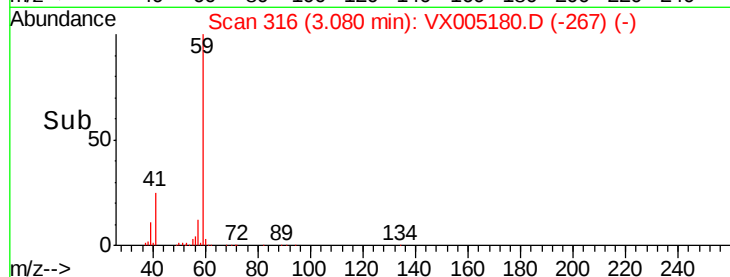
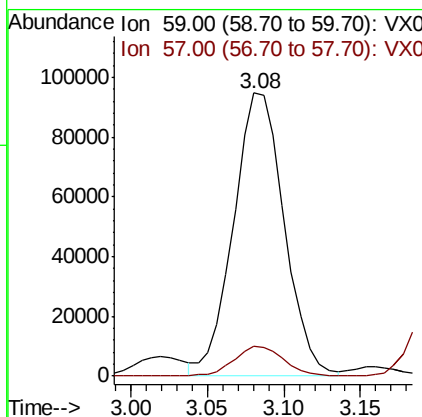
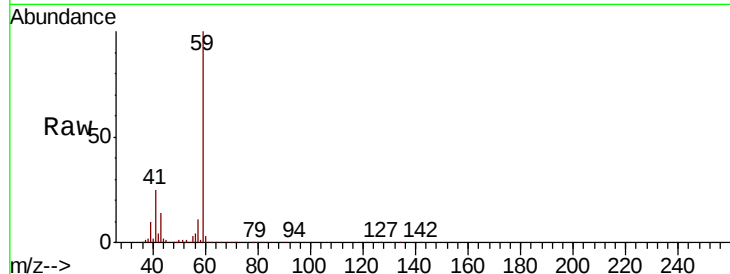
#11
Tert butyl alcohol
Concen: 276.547 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	218668
Ion Ratio	100	Lower	Upper
57	10.2	8.6	12.8

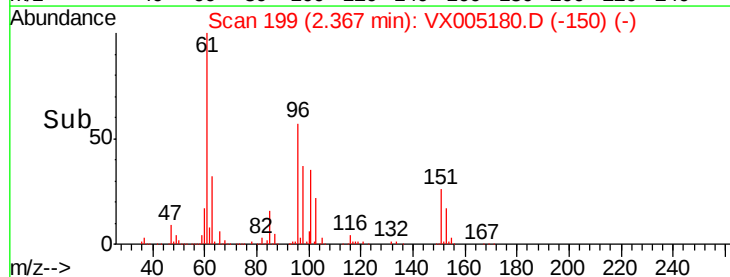
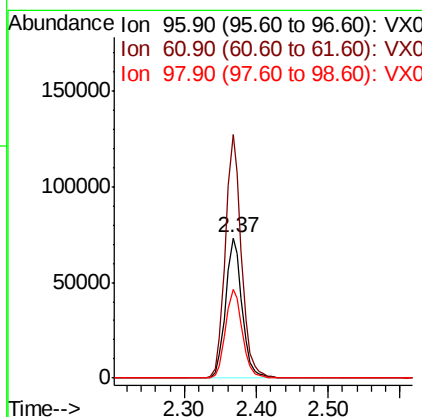
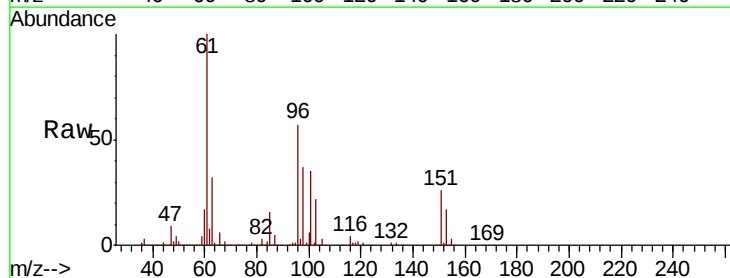
Manual Integrations
APPROVED

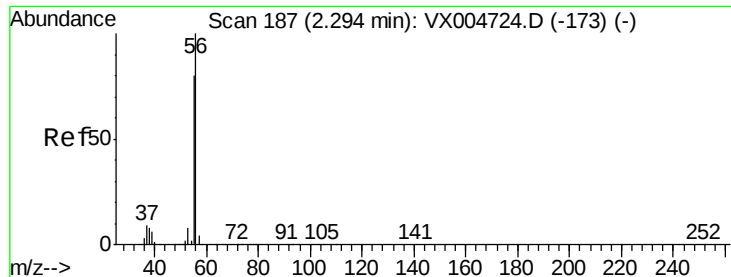
MMDadoda
10/10/2018 2:08:16 PM



#12
1,1-Dichloroethene
Concen: 54.677 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion	96	Resp	117283
Ion Ratio	100	Lower	Upper
61	174.1	130.2	195.4
98	63.7	53.4	80.0





#13

Acrolein

Concen: 234.062 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 131680

Ion Ratio Lower Upper

56 100

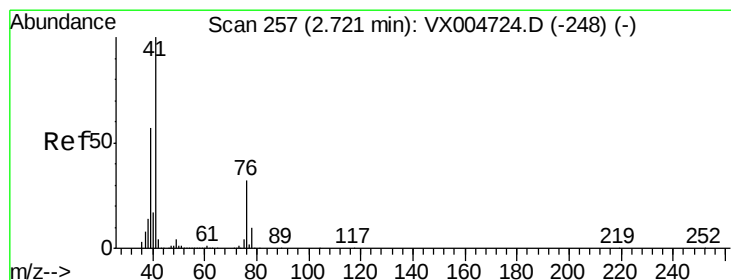
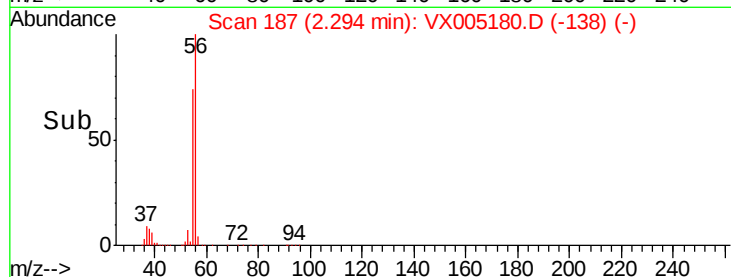
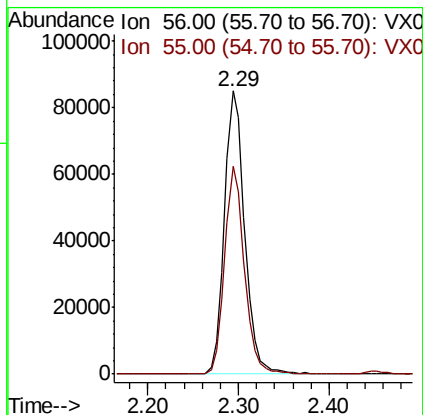
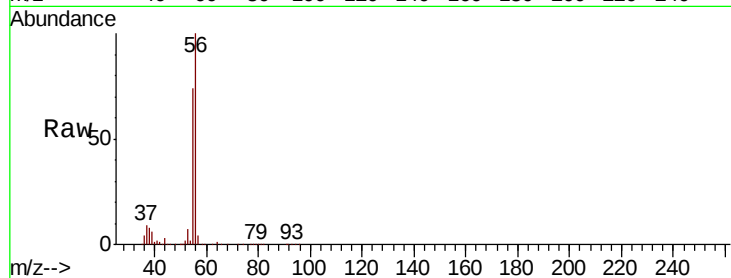
55 71.8 63.4 95.2

Manual Integrations

APPROVED

MMDadoda

10/10/2018 2:08:16 PM



#14

Allyl chloride

Concen: 54.766 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

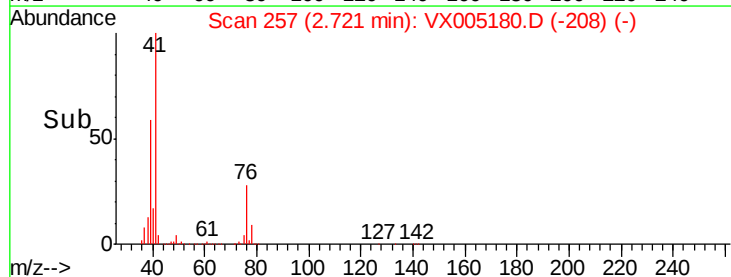
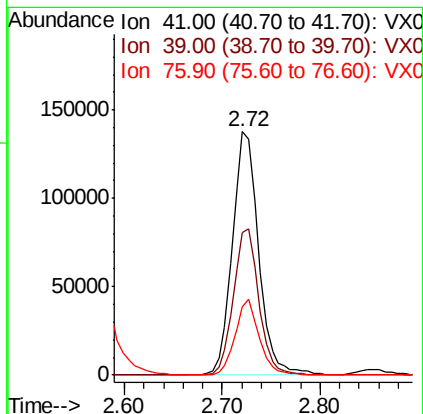
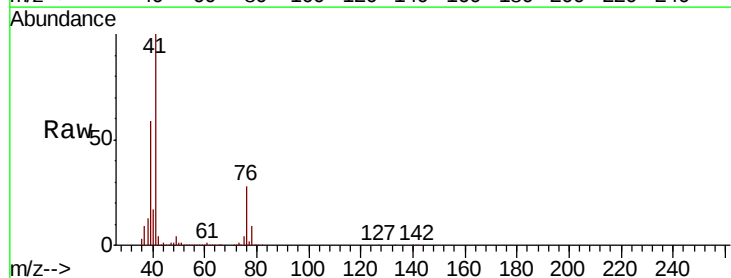
Tgt Ion: 41 Resp: 256315

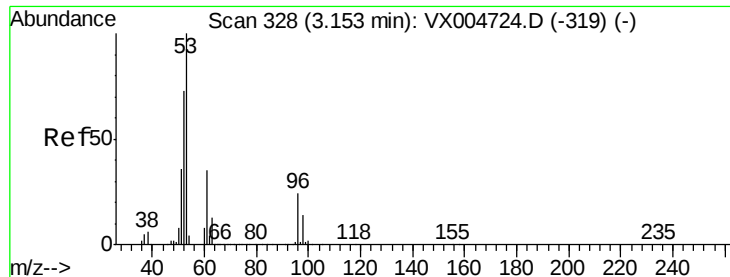
Ion Ratio Lower Upper

41 100

39 58.2 44.1 66.1

76 28.1 25.0 37.4





#15

Acrylonitrile

Concen: 274.378 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

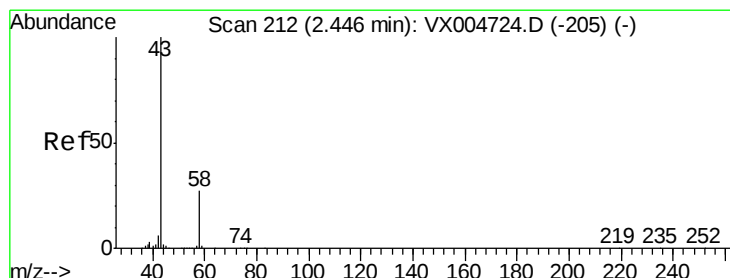
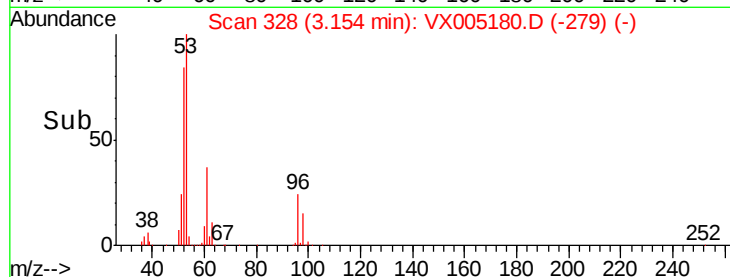
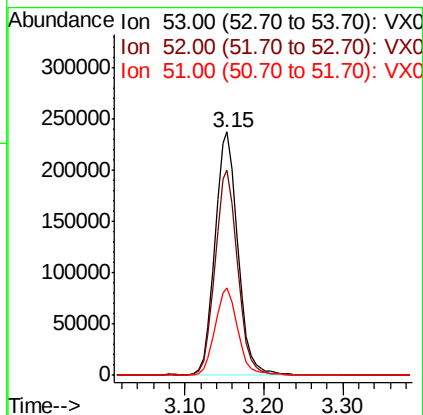
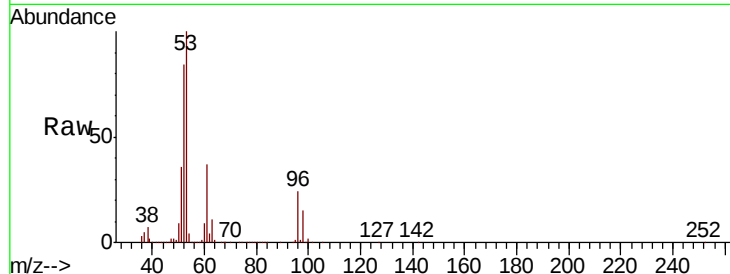
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	477596
Ion Ratio	Lower	Upper	
53	100		
52	83.2	63.0	94.4
51	36.1	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#16

Acetone

Concen: 261.085 ug/l

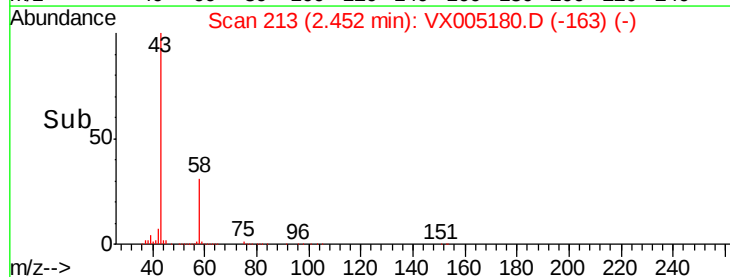
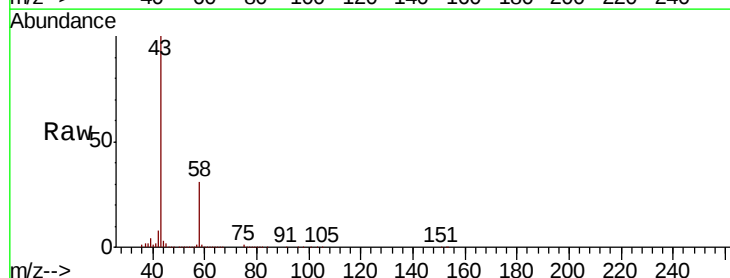
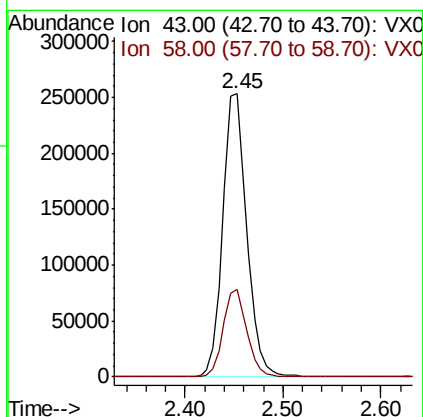
RT: 2.45 min Scan# 213

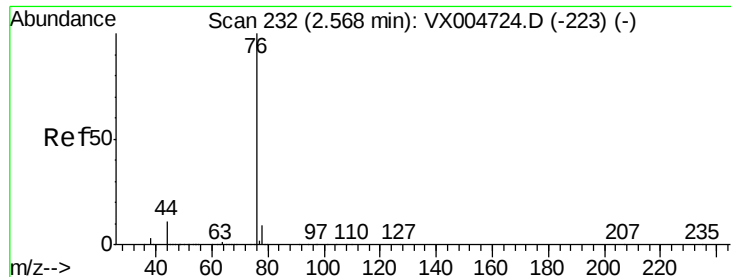
Delta R.T. 0.01 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Tgt Ion:	43	Resp:	431047
Ion Ratio	Lower	Upper	
43	100		
58	31.1	21.8	32.6





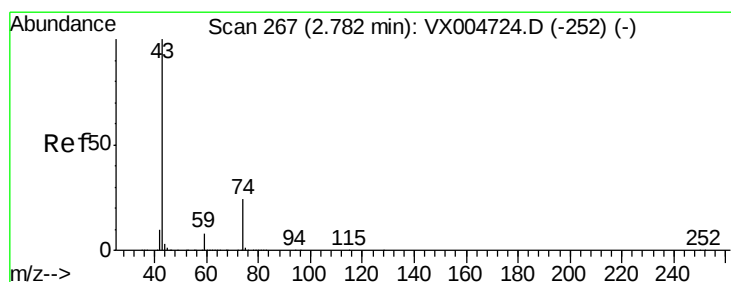
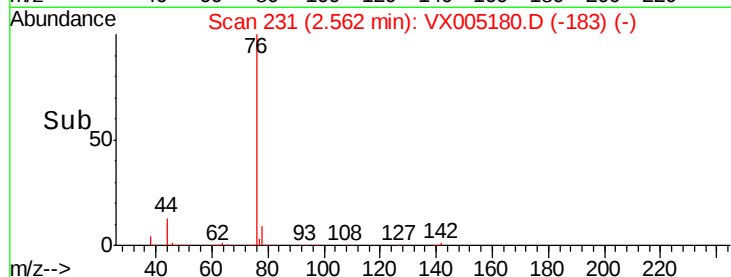
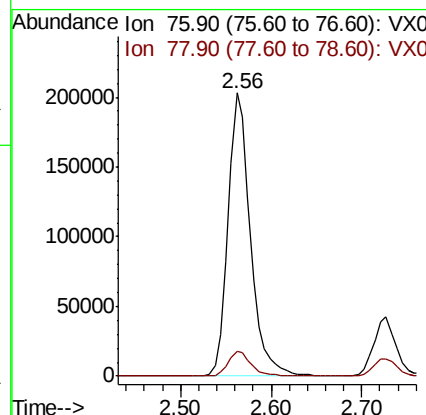
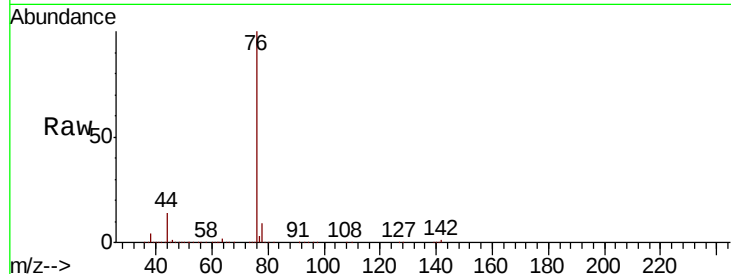
#17
Carbon Disulfide
Concen: 54.032 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

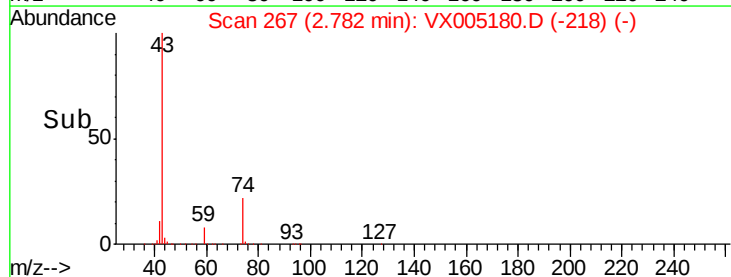
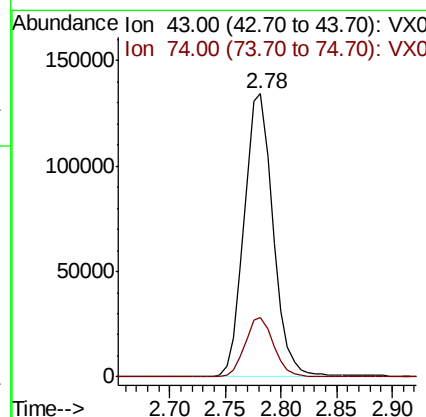
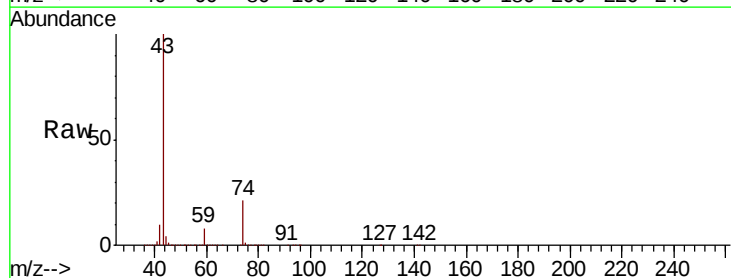
Manual Integrations
APPROVED

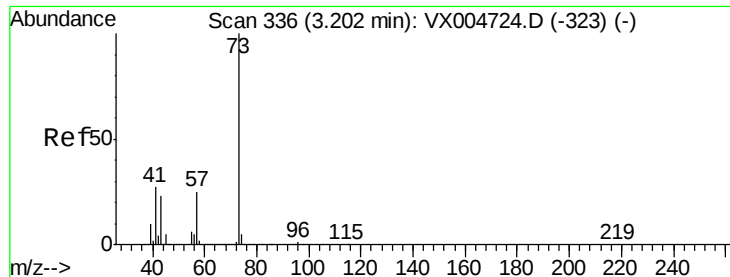
MMDadoda
10/10/2018 2:08:16 PM



#18
Methyl Acetate
Concen: 57.920 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	17.8	26.8





#19

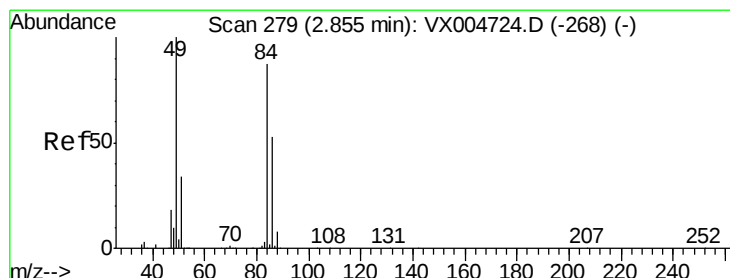
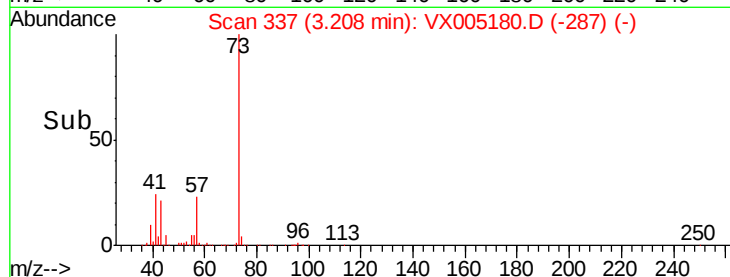
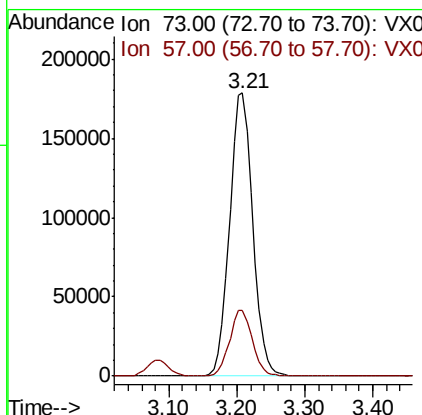
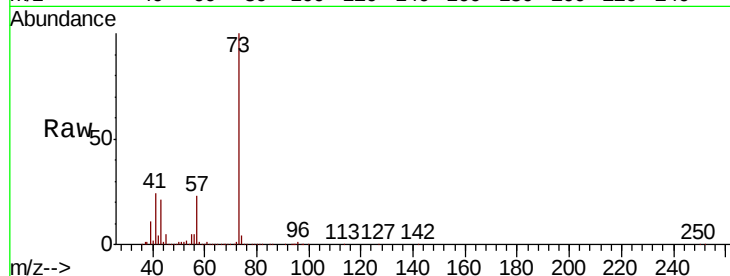
Methyl tert-butyl Ether
 Concen: 56.982 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	19.9	29.9

Manual Integrations
 APPROVED

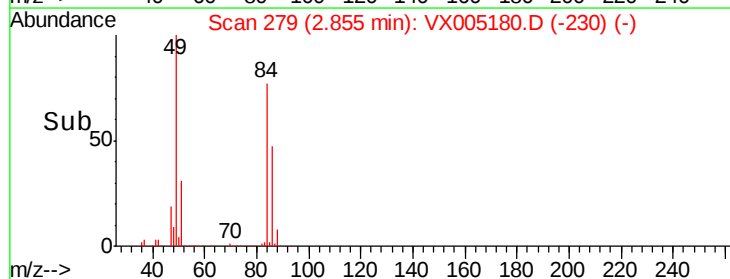
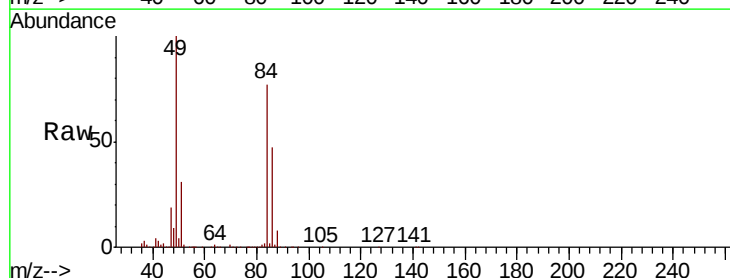
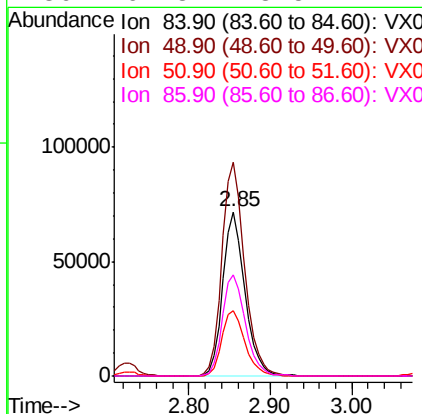
MMDadoda
 10/10/2018 2:08:16 PM

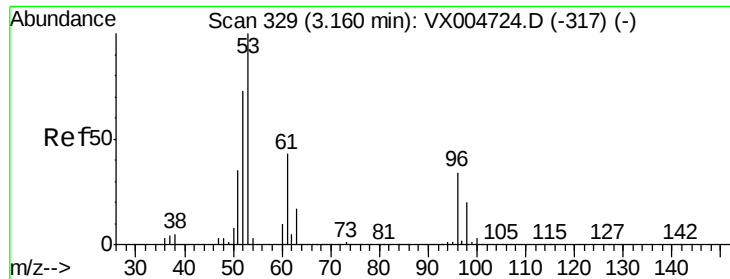


#20

Methylene Chloride
 Concen: 56.156 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.1	92.3	138.5
51	39.8	31.8	47.6
86	61.8	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 52.698 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

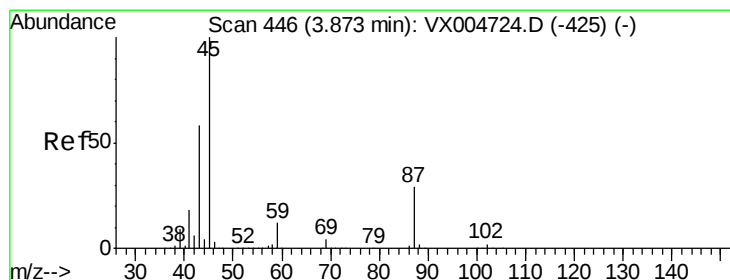
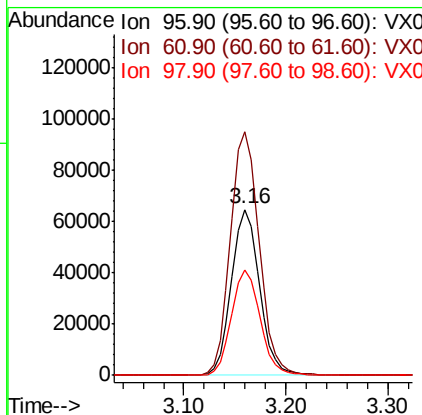
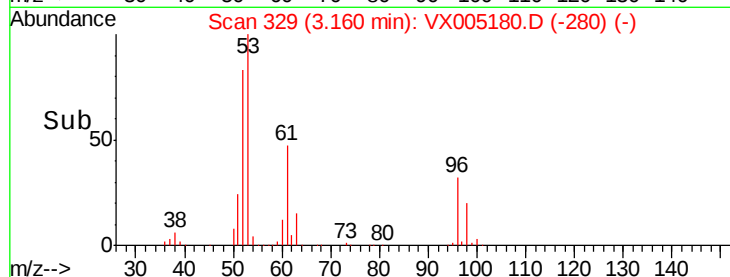
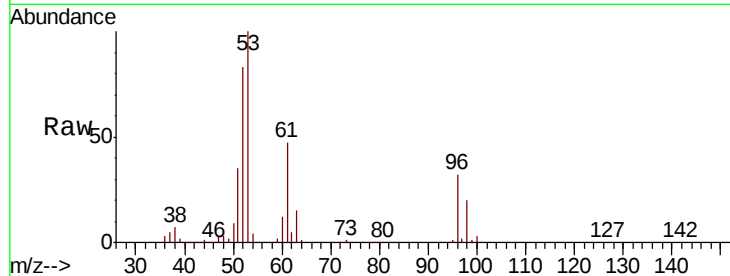
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	123740
Ion	Ratio	Lower	Upper
96	100		
61	146.7	101.0	151.6
98	63.2	47.2	70.8

Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#22

Diisopropyl ether

Concen: 53.267 ug/l

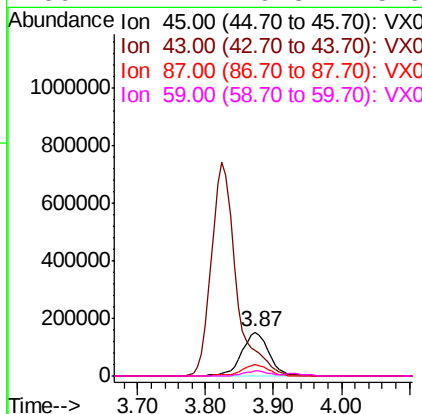
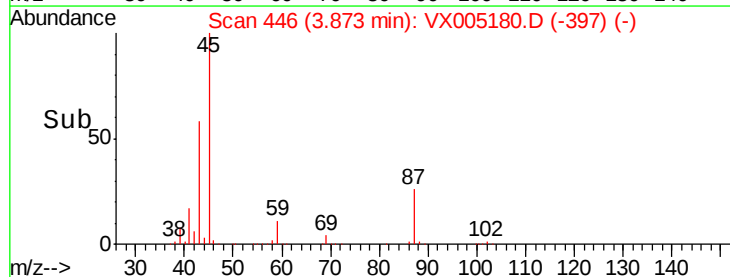
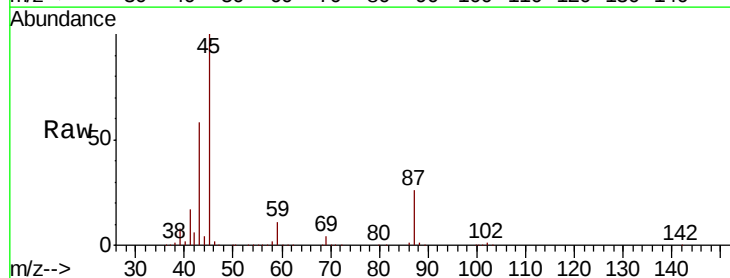
RT: 3.87 min Scan# 446

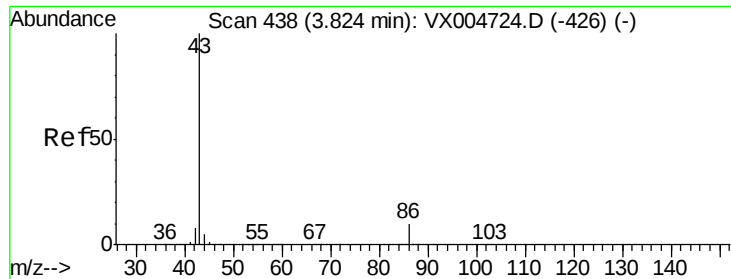
Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Tgt Ion:	45	Resp:	419801
Ion	Ratio	Lower	Upper
45	100		
43	57.6	46.7	70.1
87	25.8	22.9	34.3
59	11.4	9.3	13.9





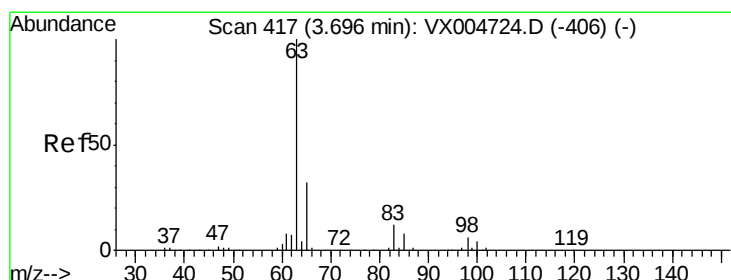
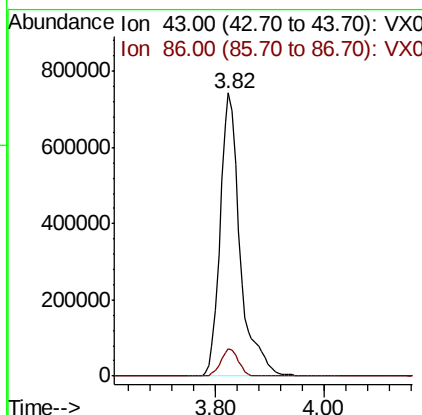
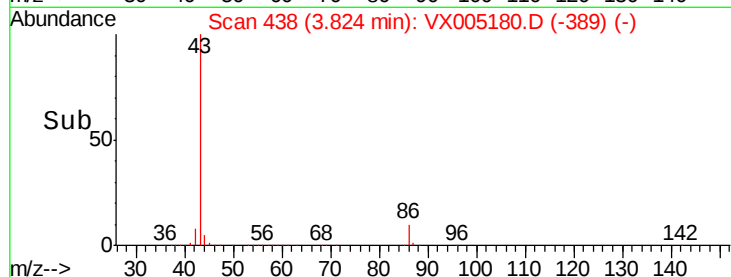
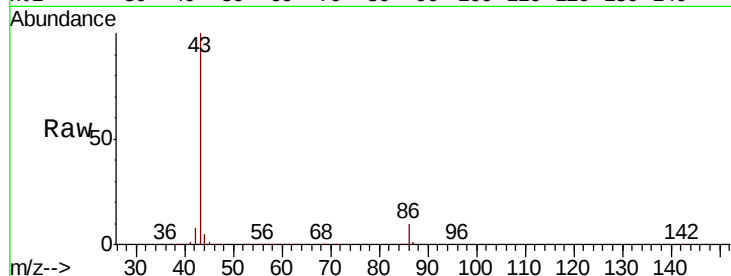
#23
 Vinyl Acetate
 Concen: 261.742 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1888201
 Ion Ratio Lower Upper
 43 100
 86 9.6 8.1 12.1

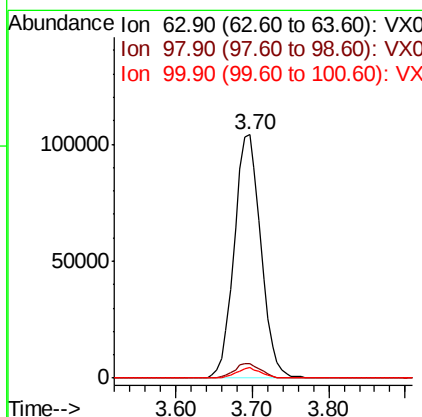
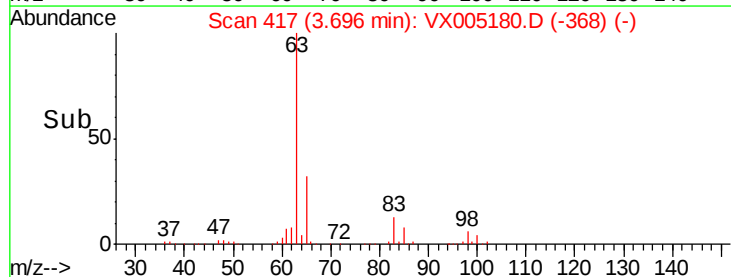
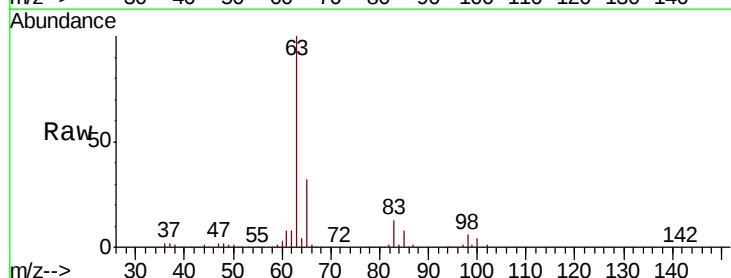
Manual Integrations
 APPROVED

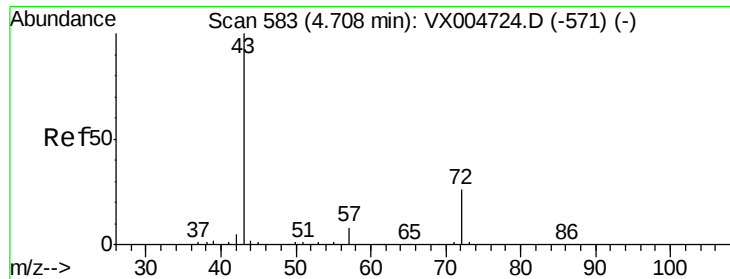
MMDadoda
 10/10/2018 2:08:16 PM



#24
 1,1-Dichloroethane
 Concen: 53.465 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Tgt Ion: 63 Resp: 251345
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.2
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 257.287 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 626133

Ion Ratio Lower Upper

43 100

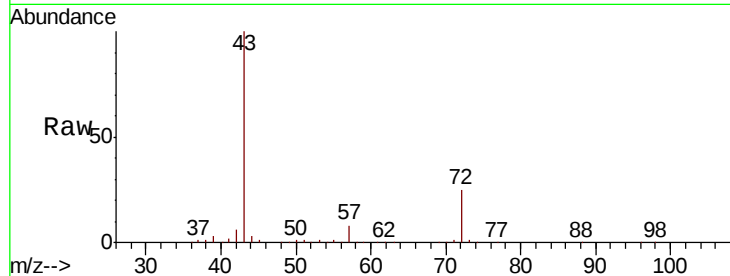
72 24.8 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

10/10/2018 2:08:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

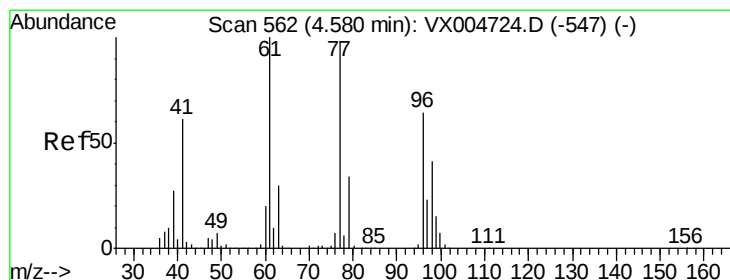
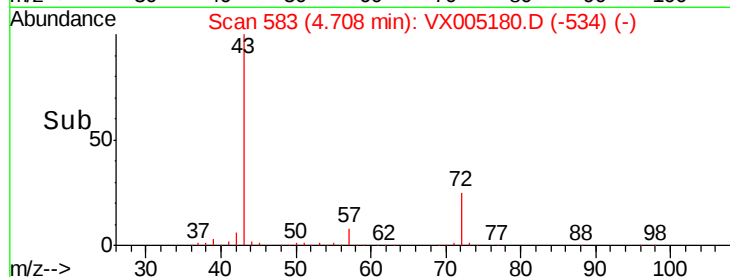
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 40.149 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX005180.D

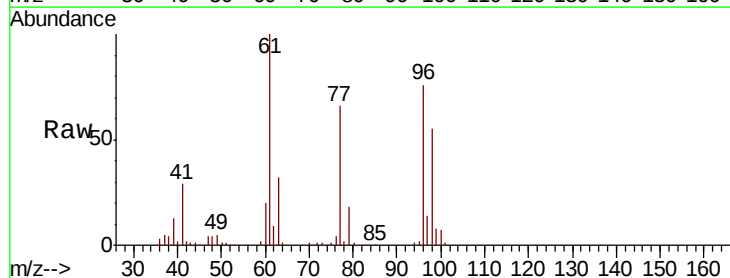
Acq: 10 Oct 2018 00:44

Tgt Ion: 77 Resp: 131433

Ion Ratio Lower Upper

77 100

97 23.4 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

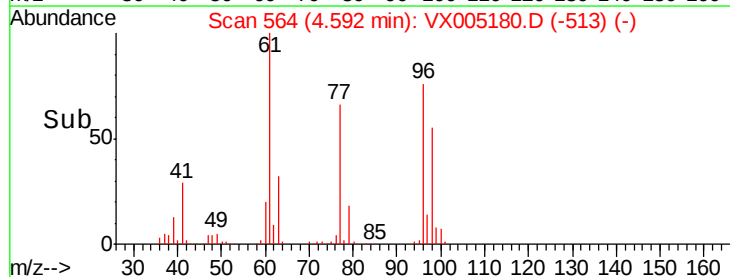
20000

10000

0

4.40 4.50 4.60 4.70

Time-->





#27

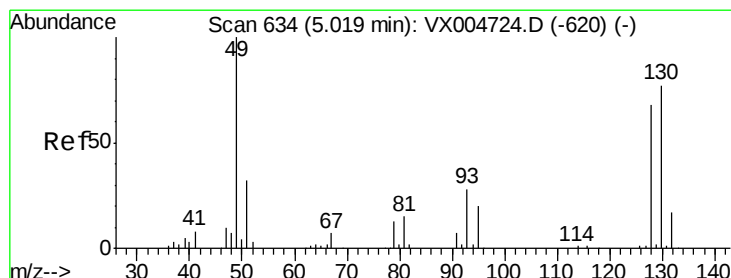
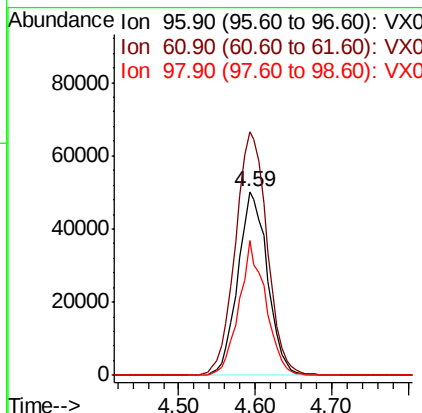
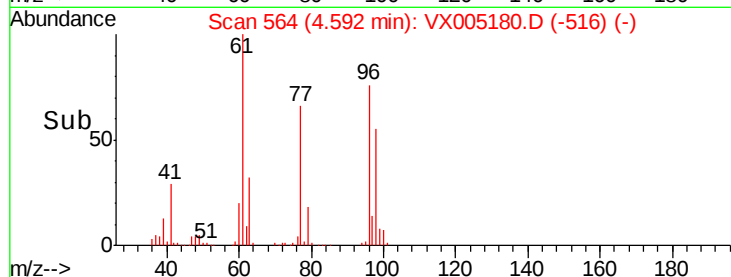
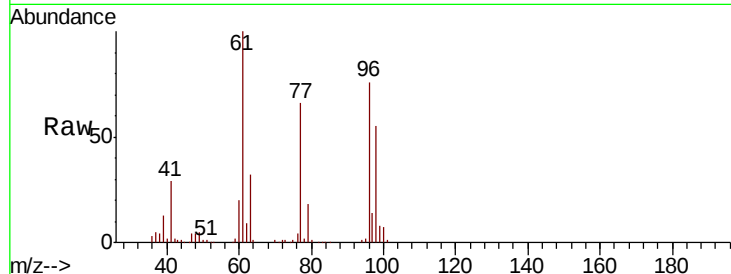
cis-1,2-Dichloroethene
 Concen: 51.454 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	134971		
61	142.1	0.0	285.8	
98	66.1	0.0	136.2	

Manual Integrations
 APPROVED

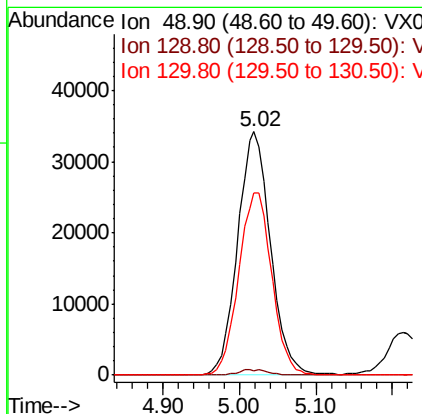
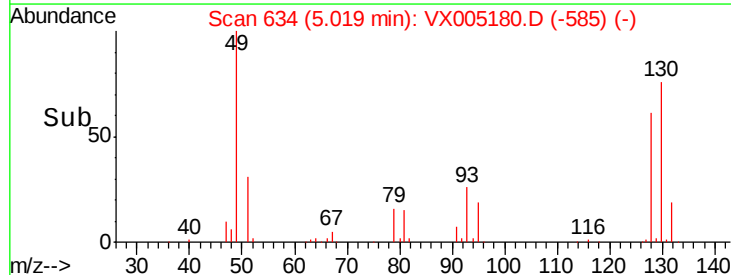
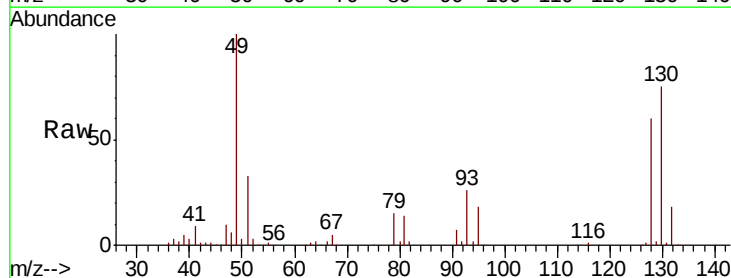
MMDadoda
 10/10/2018 2:08:16 PM



#28

Bromochloromethane
 Concen: 46.076 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	102005		
129	2.0	0.0	4.2	
130	75.6	62.0	93.0	





#29

Tetrahydrofuran

Concen: 272.231 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

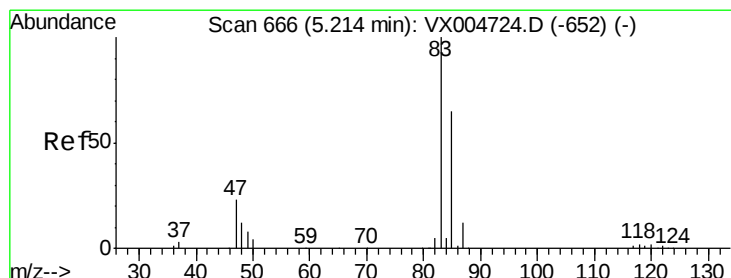
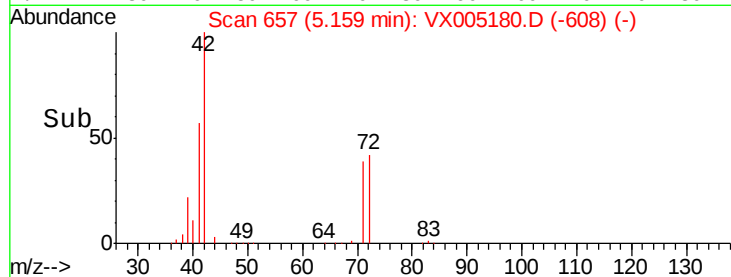
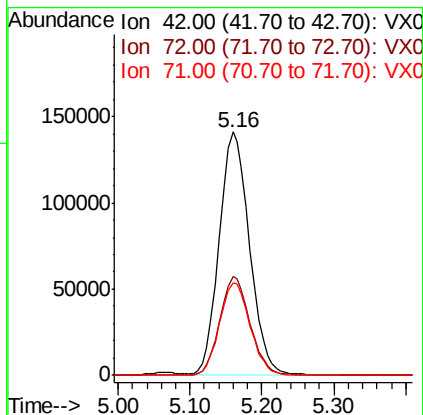
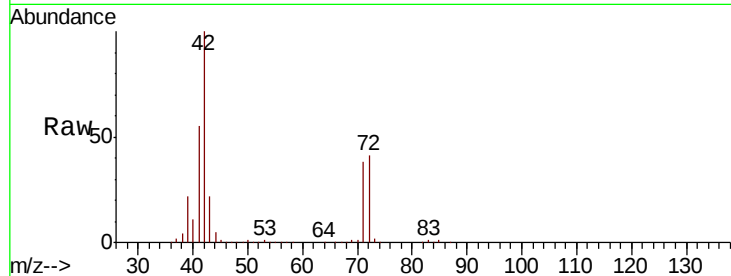
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	411768
Ion Ratio	Lower	Upper	
42	100		
72	40.8	33.7	50.5
71	38.5	32.2	48.4

Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#30

Chloroform

Concen: 50.478 ug/l

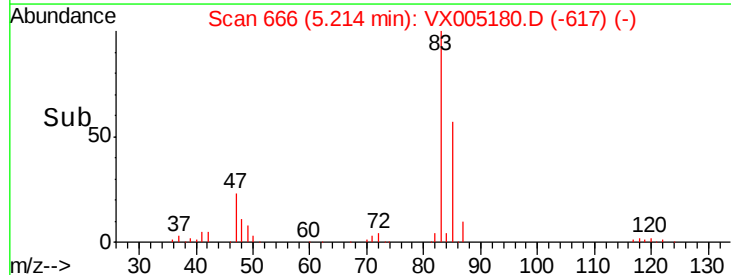
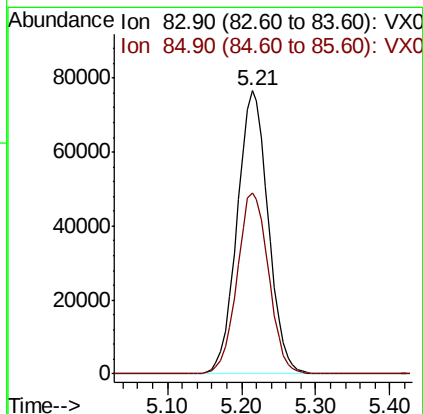
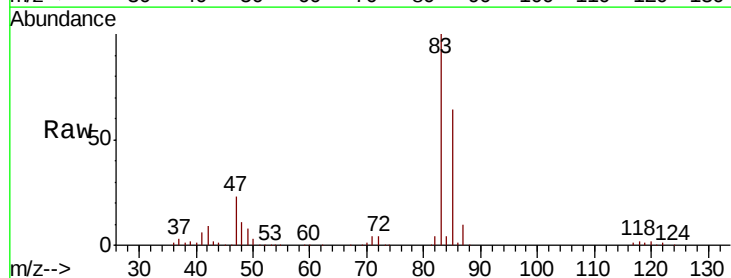
RT: 5.21 min Scan# 666

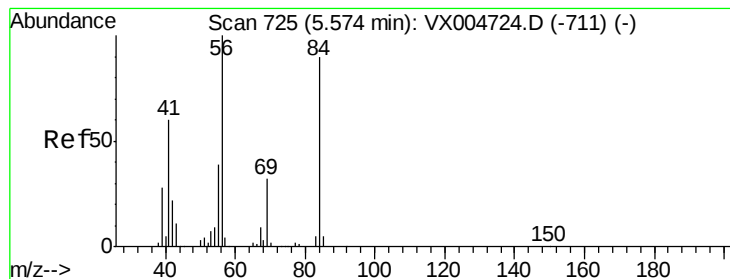
Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Tgt Ion:	83	Resp:	224277
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.4	78.6





#31

Cyclohexane

Concen: 56.478 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

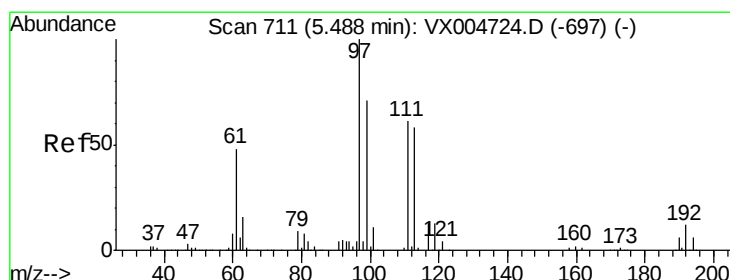
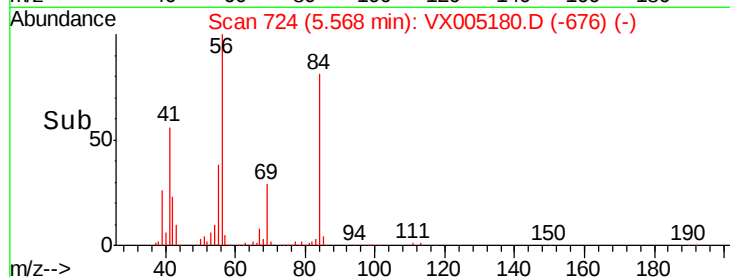
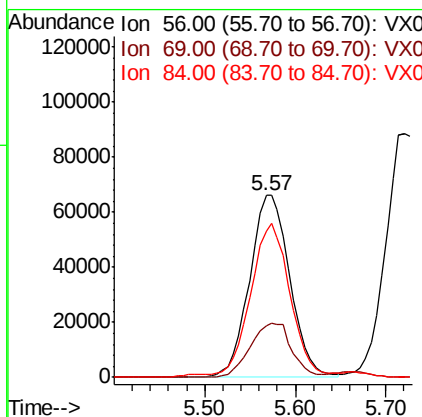
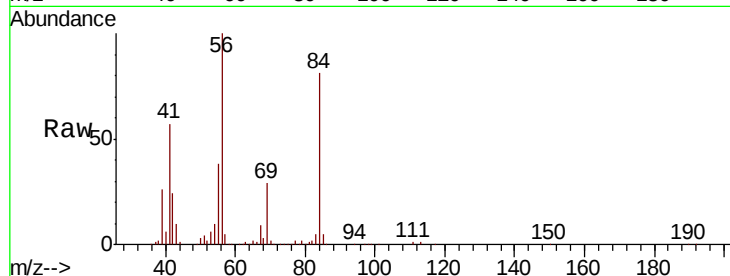
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	203214
Ion	Ratio	Lower	Upper
56	100		
69	28.5	25.9	38.9
84	79.1	71.9	107.9

Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#32

1,1,1-Trichloroethane

Concen: 53.994 ug/l

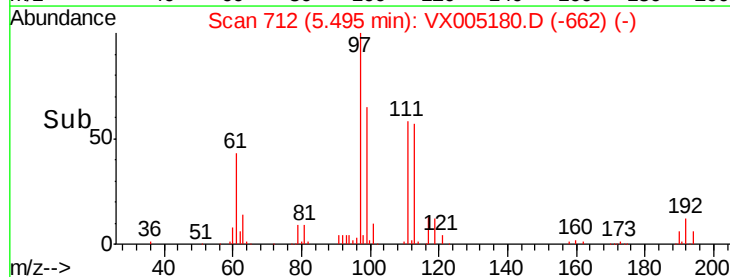
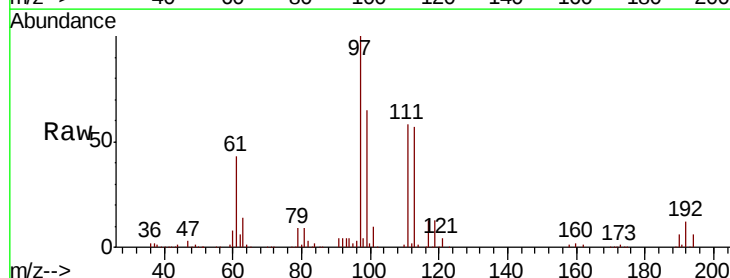
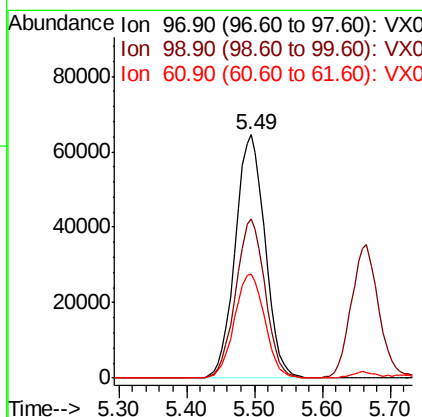
RT: 5.49 min Scan# 712

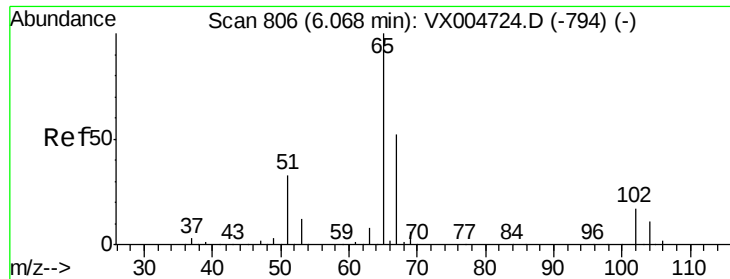
Delta R.T. 0.01 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Tgt Ion:	97	Resp:	195920
Ion	Ratio	Lower	Upper
97	100		
99	64.6	54.6	82.0
61	43.9	37.5	56.3





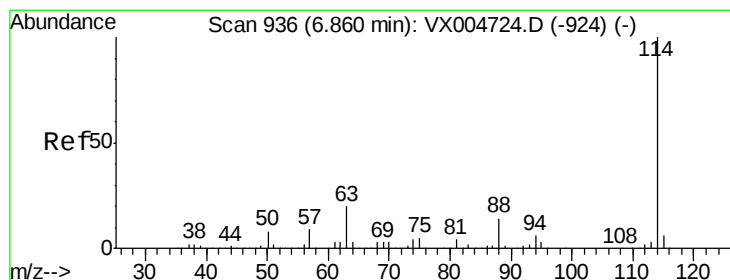
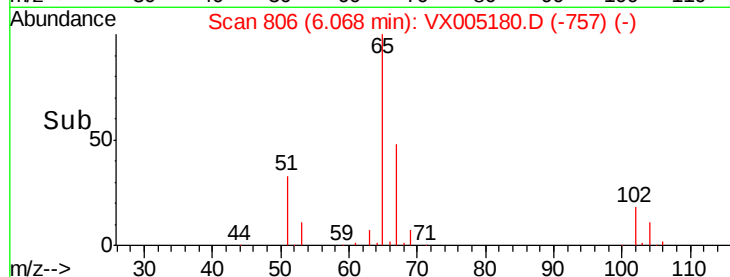
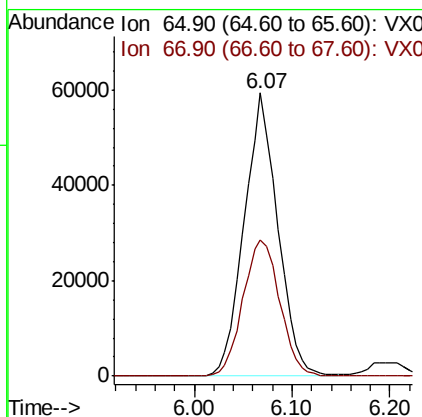
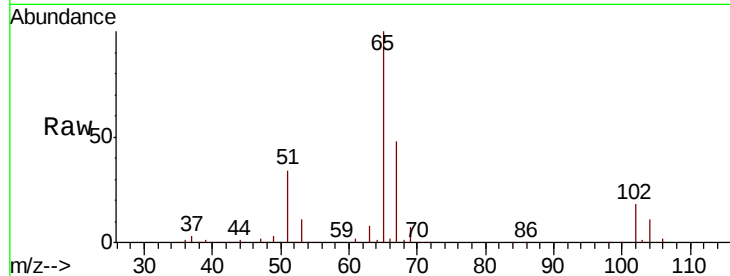
#33
 1,2-Dichloroethane-d4
 Concen: 50.107 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	107.4

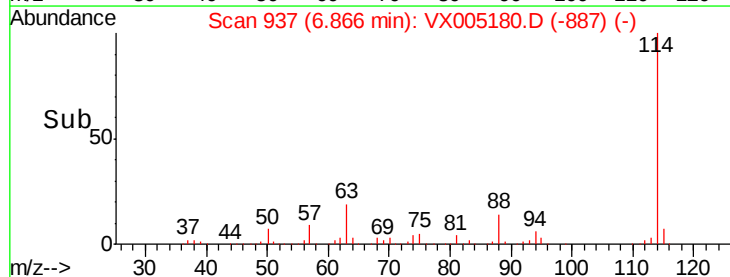
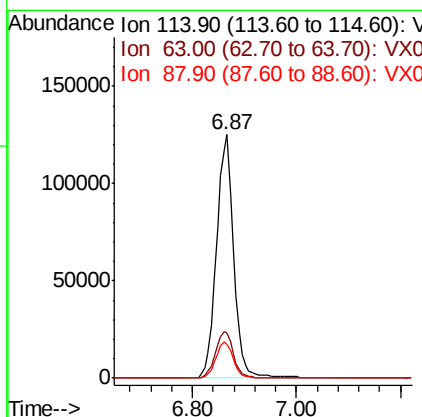
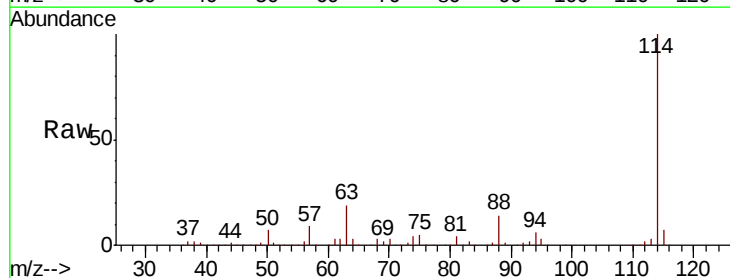
Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 2:08:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	39.8
88	13.8	0.0	27.0





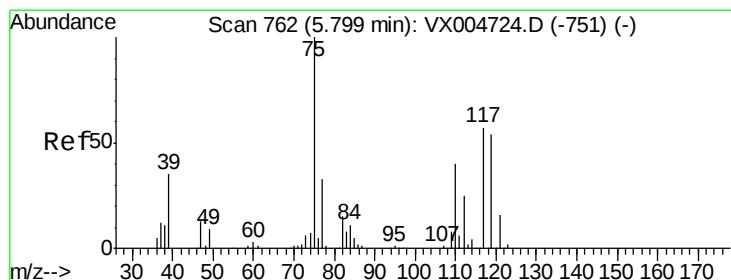
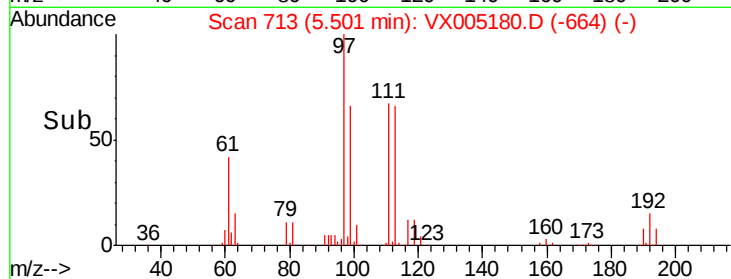
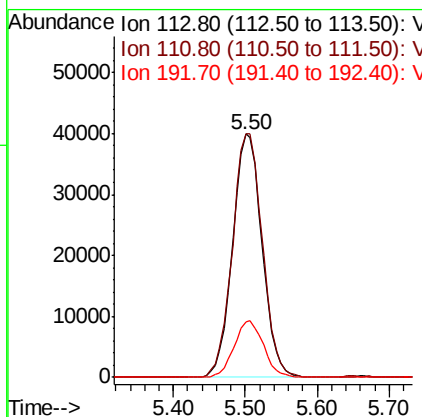
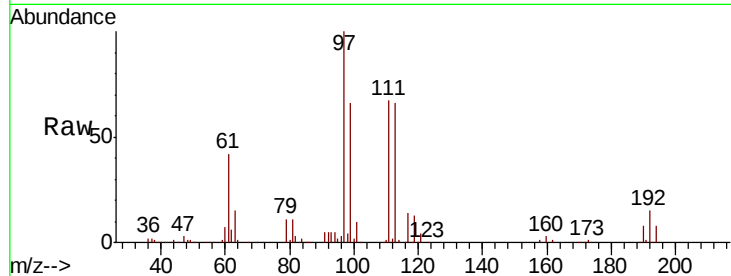
#35
 Dibromofluoromethane
 Concen: 46.025 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	77.0	115.4
192	23.2	17.0	25.6

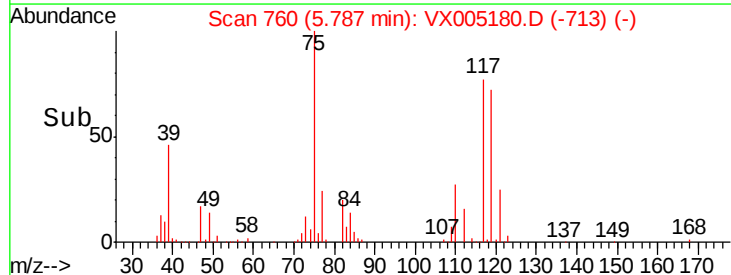
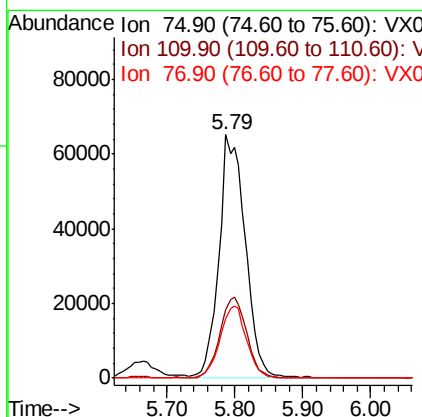
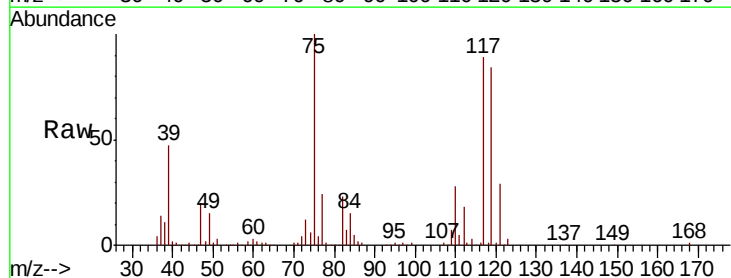
Manual Integrations
 APPROVED

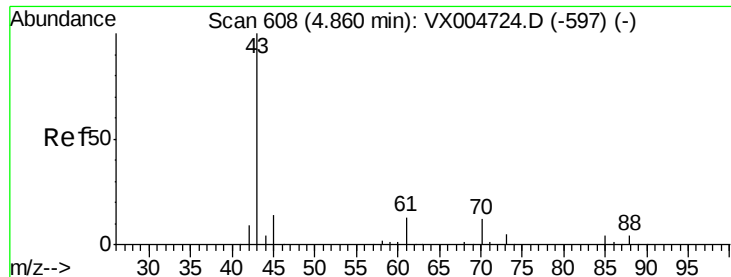
MMDadoda
 10/10/2018 2:08:16 PM



#36
 1,1-Dichloropropene
 Concen: 51.715 ug/l
 RT: 5.79 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	20.0	59.9
77	30.3	27.1	40.7





#37

Ethyl Acetate

Concen: 49.780 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 221705

Ion Ratio Lower Upper

43 100

61 13.9 10.4 15.6

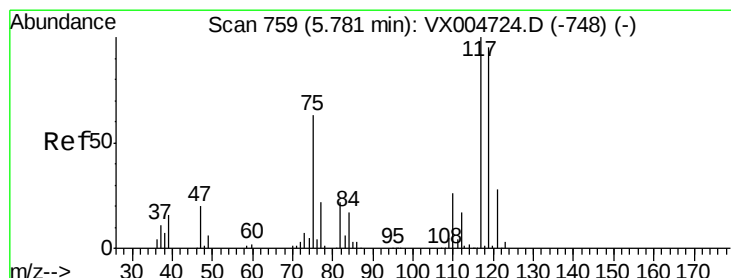
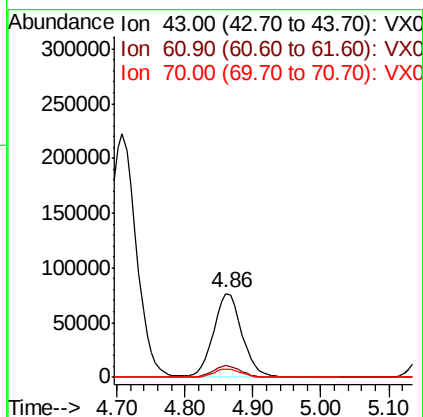
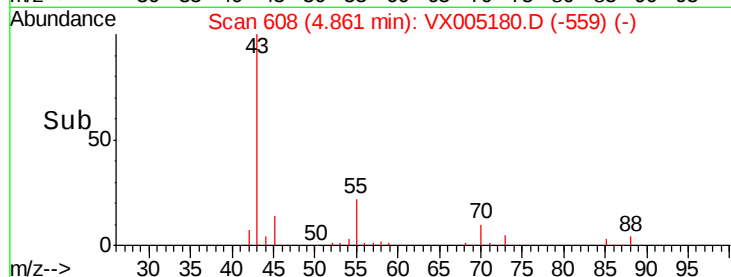
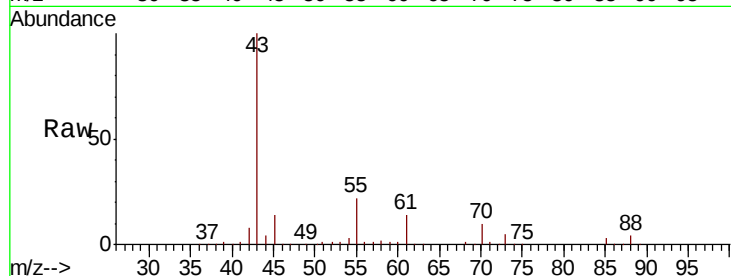
70 9.8 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

10/10/2018 2:08:16 PM



#38

Carbon Tetrachloride

Concen: 49.582 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

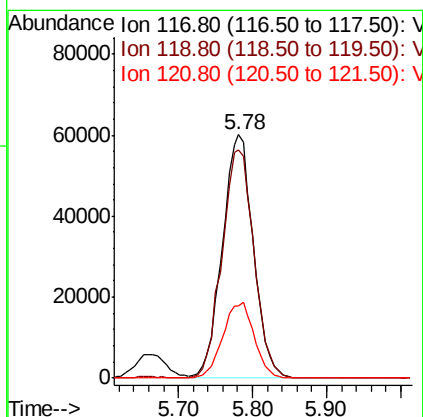
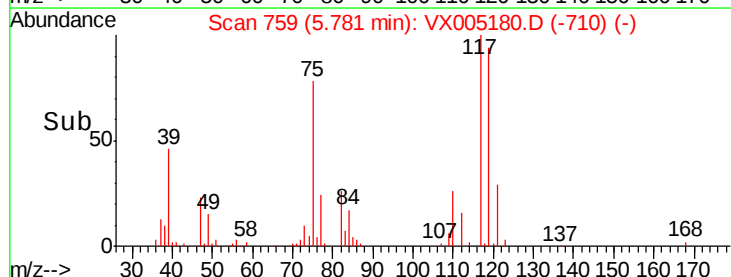
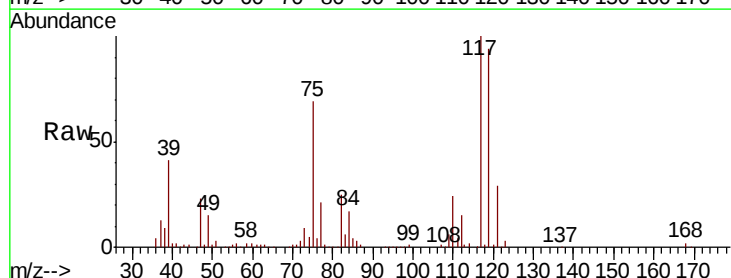
Tgt Ion: 117 Resp: 174871

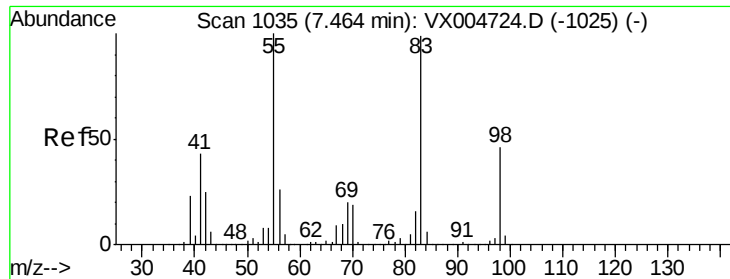
Ion Ratio Lower Upper

117 100

119 94.0 75.2 112.8

121 29.5 22.5 33.7





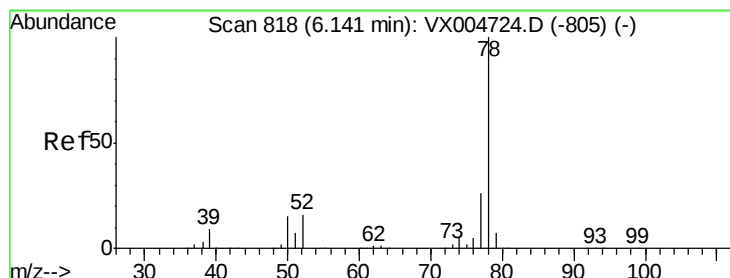
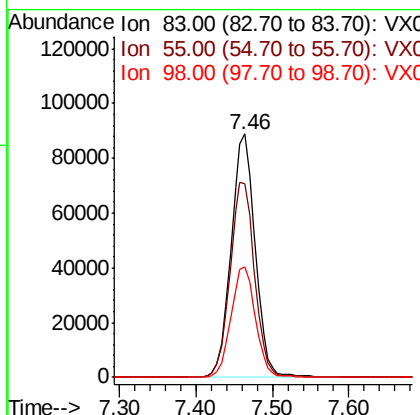
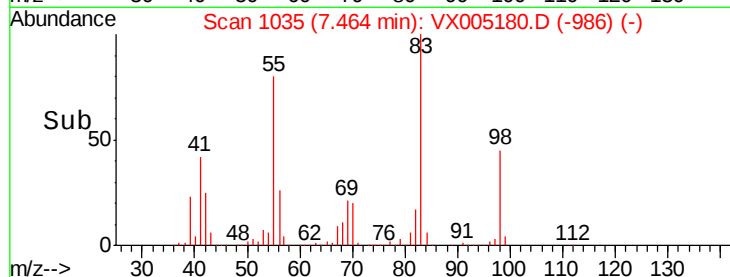
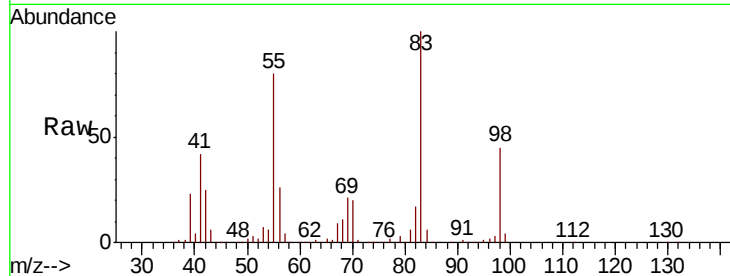
#39
Methylvlcvclohexane
Concen: 56.228 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	81.1	121.7#
98	45.4	37.3	55.9

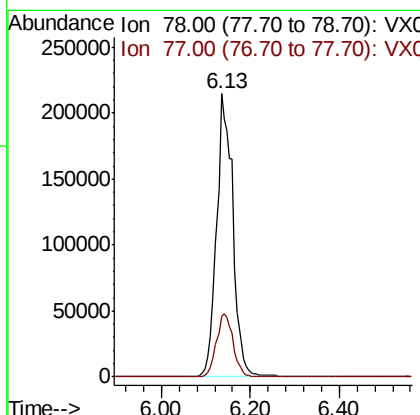
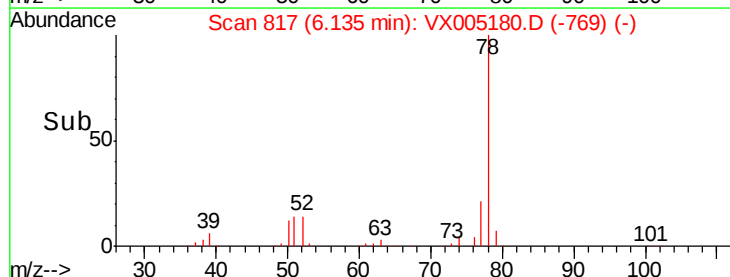
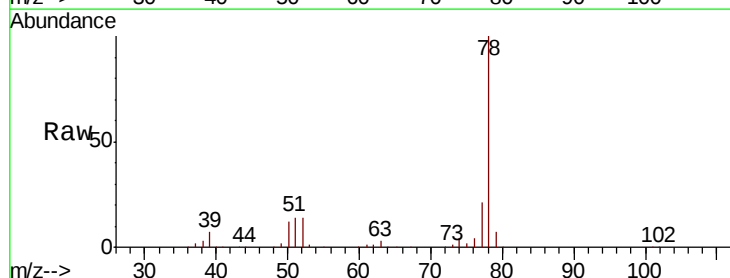
Manual Integrations
APPROVED

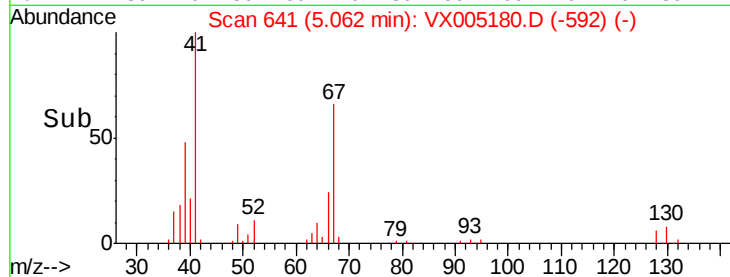
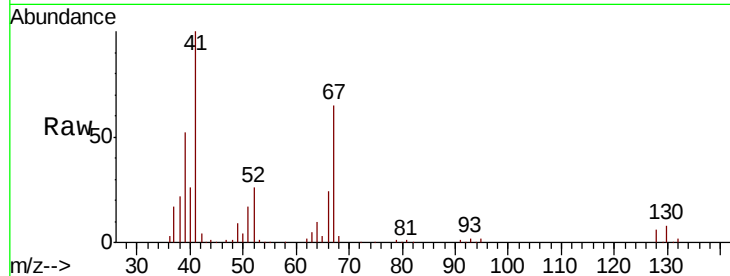
MMDadoda
10/10/2018 2:08:16 PM



#40
Benzene
Concen: 52.156 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

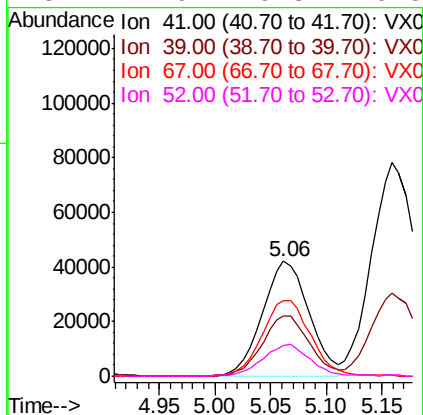
Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.2	21.0	31.4





#41
Methacrylonitrile
Concen: 49.610 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

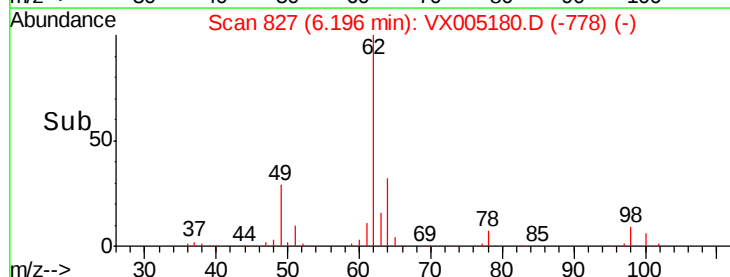
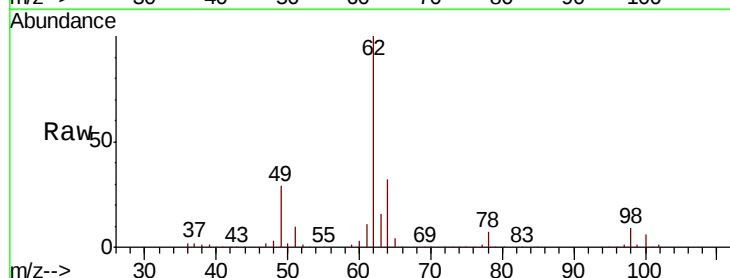
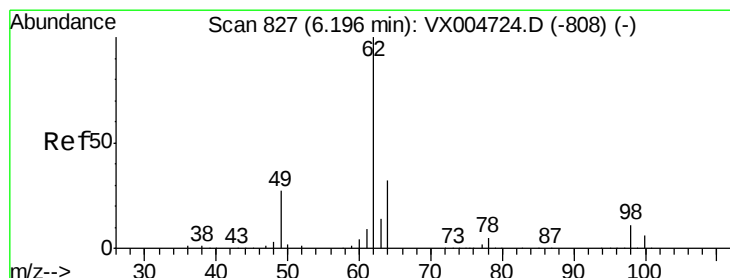
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	42.5	63.7	
67	68.7	53.0	79.6	
52	27.9	19.8	29.8	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

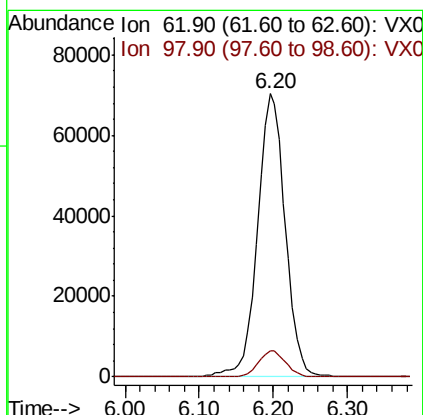
Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#42
1,2-Dichloroethane
Concen: 49.240 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	20.2	





#43

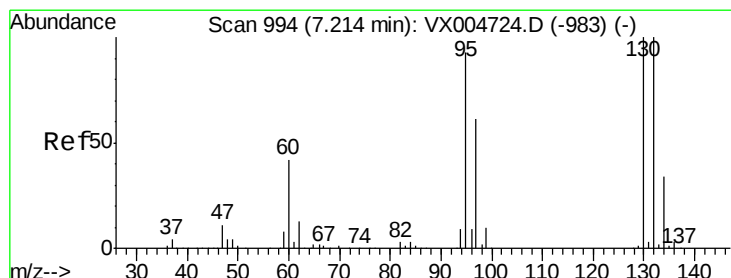
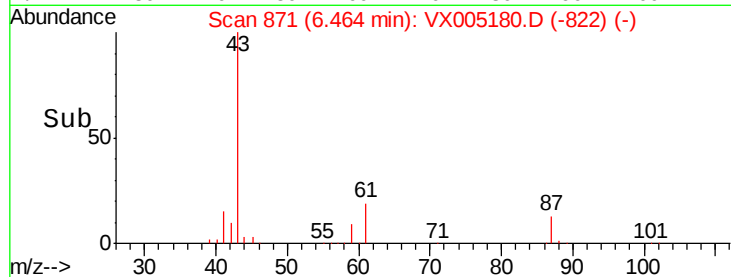
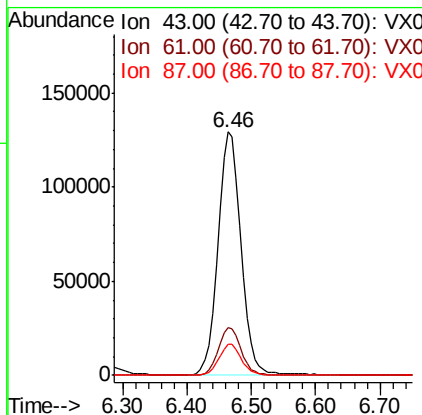
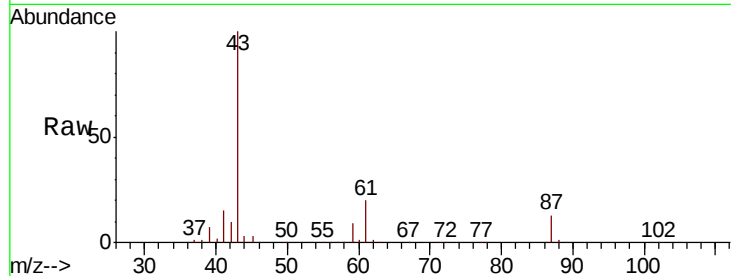
Isopropyl Acetate
 Concen: 50.746 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.2	21.4
87	12.6	9.3	13.9

Manual Integrations
 APPROVED

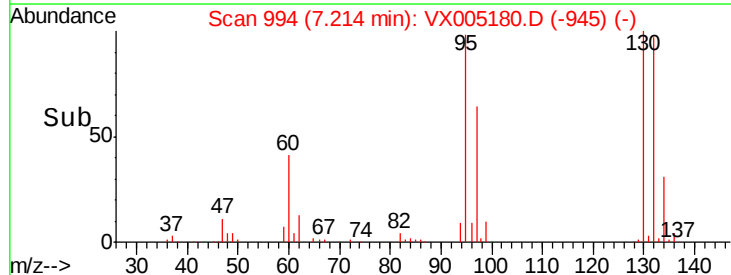
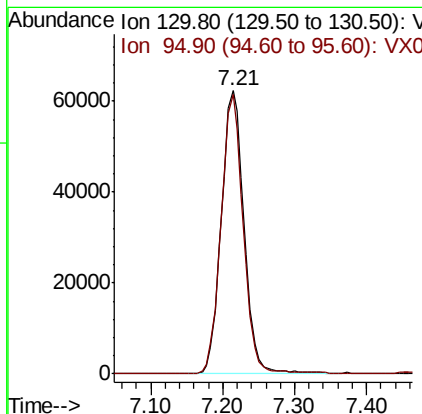
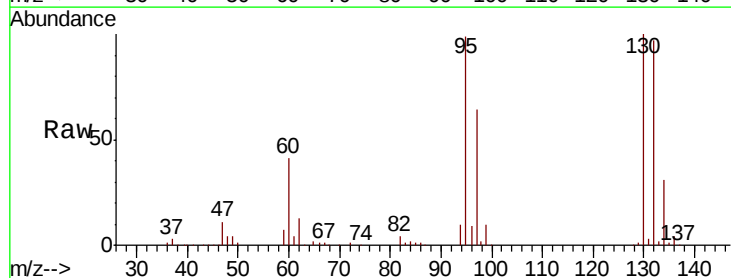
MMDadoda
 10/10/2018 2:08:16 PM



#44

Trichloroethene
 Concen: 53.113 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	186.8





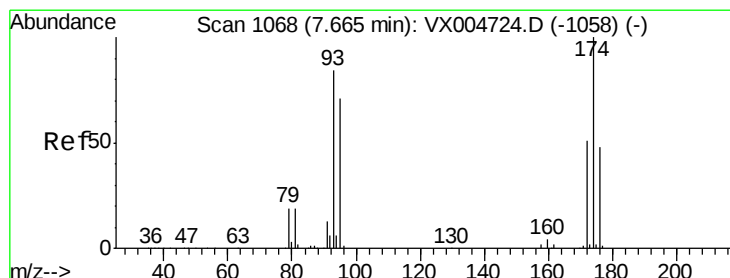
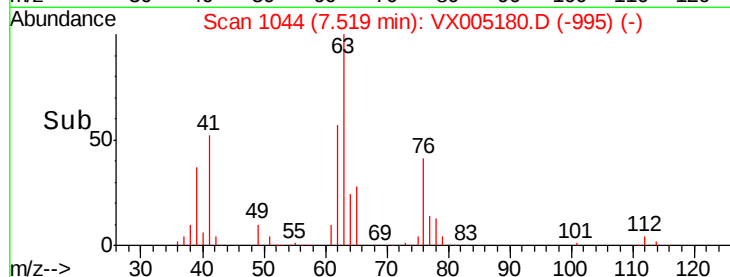
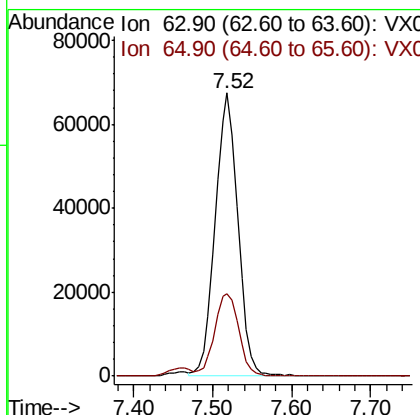
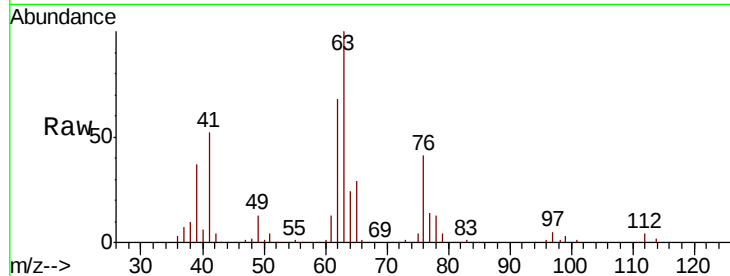
#45
 1,2-Dichloropropane
 Concen: 52.627 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 135563
 Ion Ratio Lower Upper
 63 100
 65 28.9 23.9 35.9

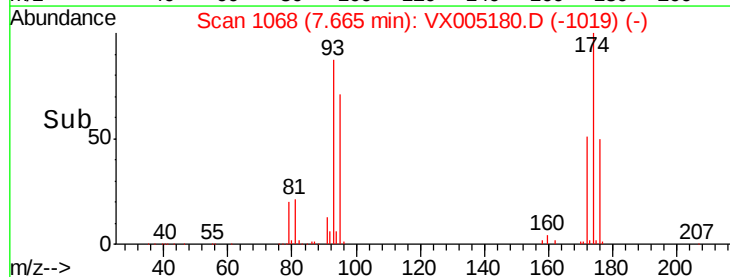
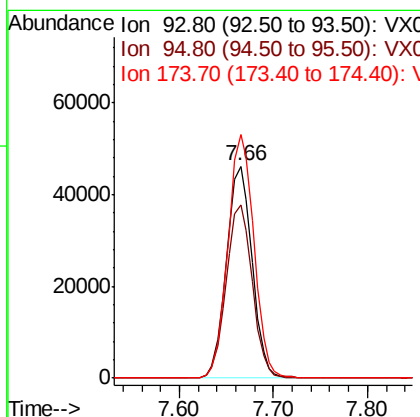
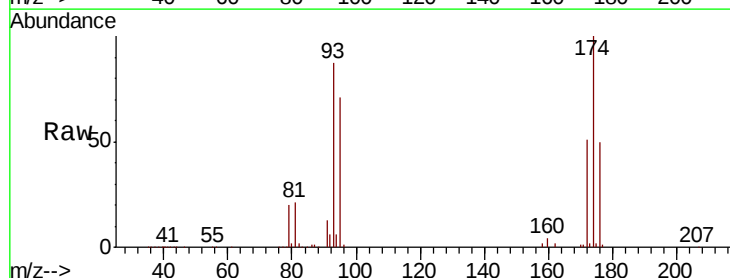
Manual Integrations
 APPROVED

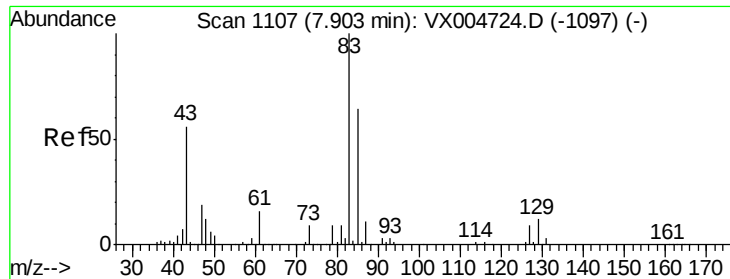
MMDadoda
 10/10/2018 2:08:16 PM



#46
 Dibromomethane
 Concen: 54.068 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Tgt Ion: 93 Resp: 87529
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.7 100.1
 174 116.3 92.7 139.1





#47

Bromodichloromethane

Concen: 55.929 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

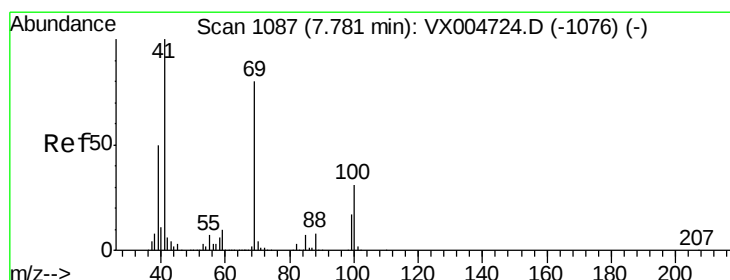
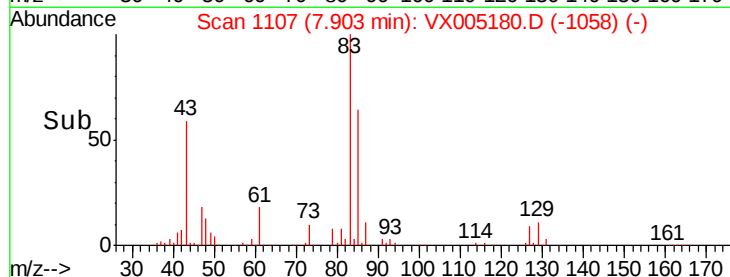
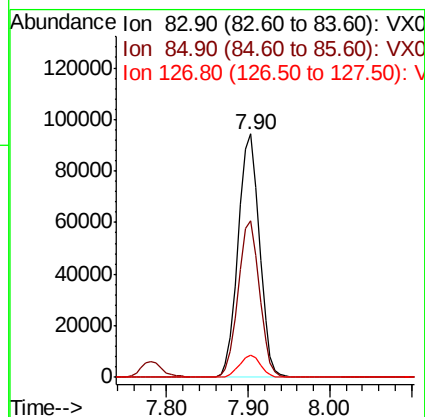
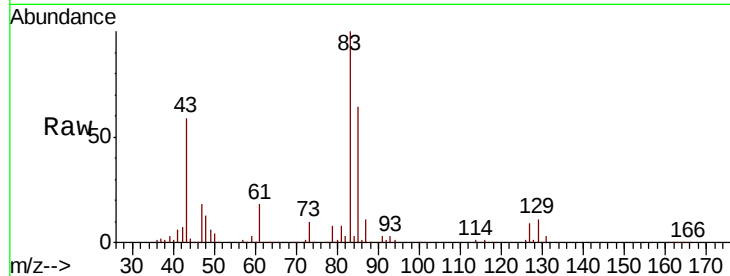
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	169520
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.2	76.8
127	9.4	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#48

Methyl methacrylate

Concen: 59.625 ug/l

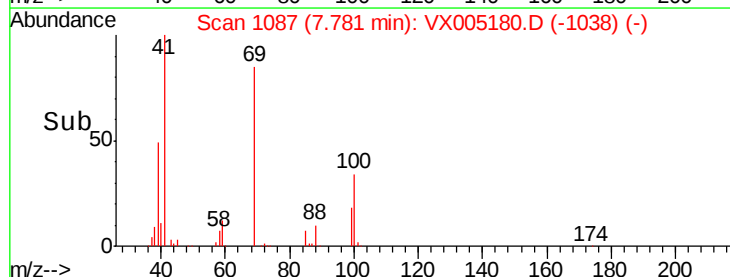
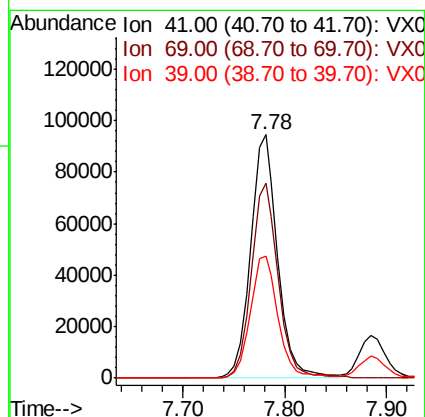
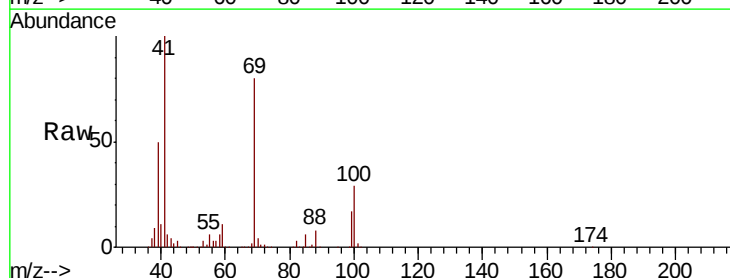
RT: 7.78 min Scan# 1087

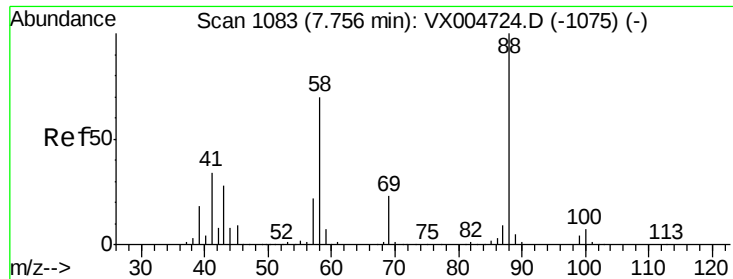
Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Tgt Ion:	41	Resp:	173967
Ion	Ratio	Lower	Upper
41	100		
69	80.5	63.8	95.6
39	51.7	40.7	61.1





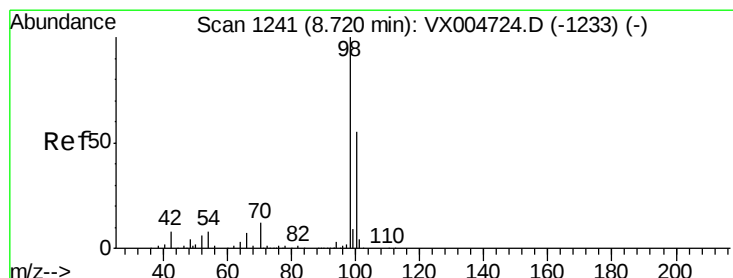
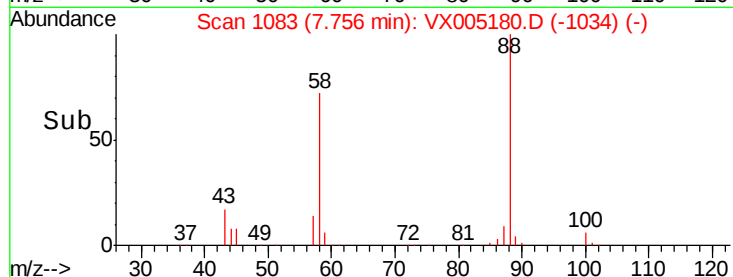
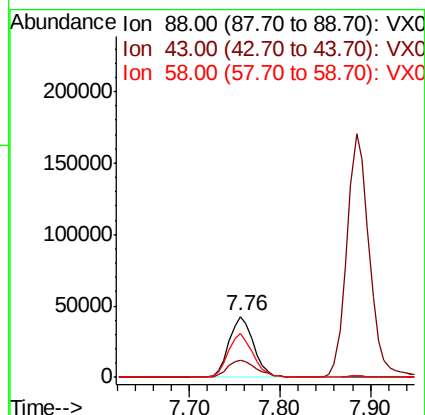
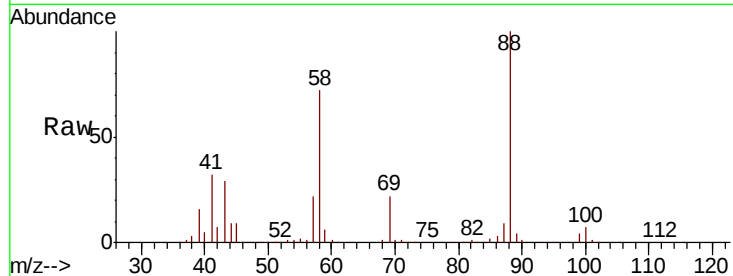
#49
1,4-Dioxane
Concen: 1111.213 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	80548
Ion	Ratio	Lower	Upper
88	100		
43	32.6	25.1	37.7
58	72.1	56.2	84.2

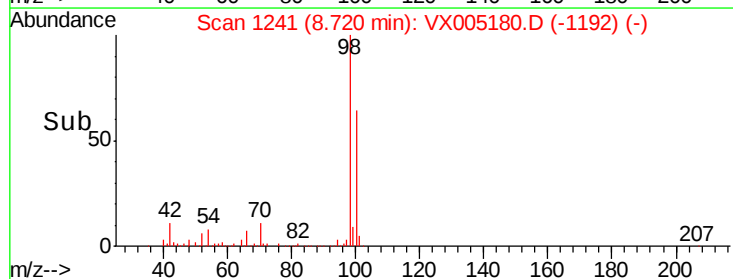
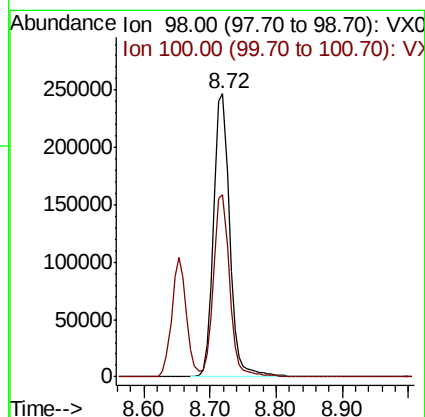
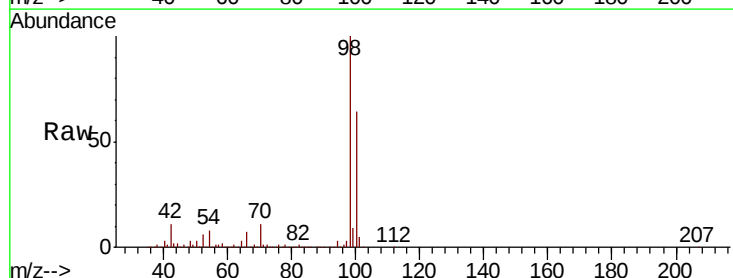
Manual Integrations
APPROVED

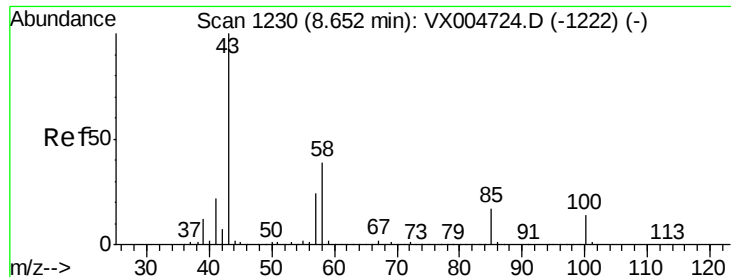
MMDadoda
10/10/2018 2:08:16 PM



#50
Toluene-d8
Concen: 50.911 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion	98	Resp	416217
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9





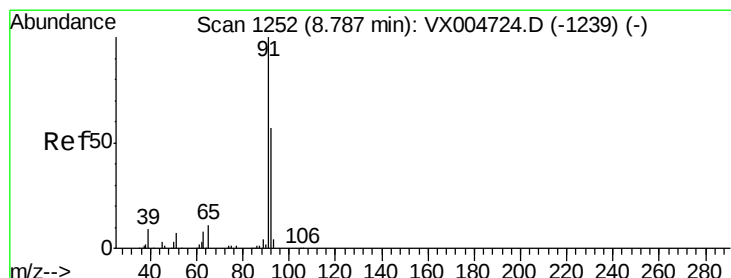
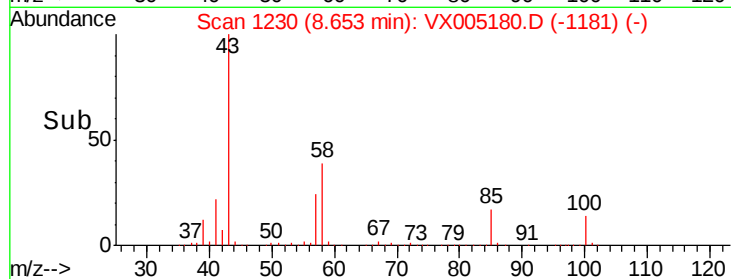
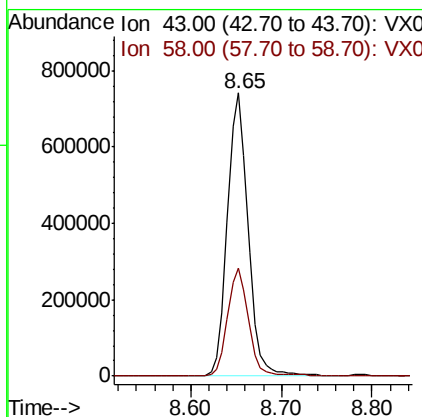
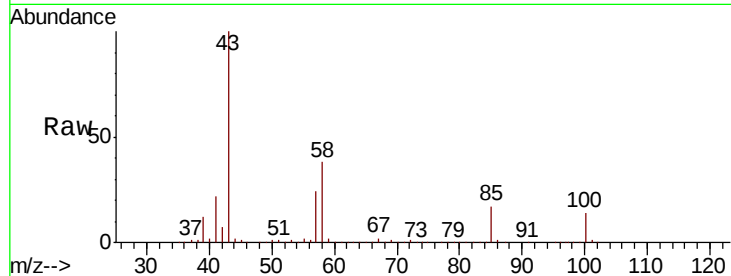
#51
4-Methyl-2-Pentanone
Concen: 290.972 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1177712
Ion Ratio Lower Upper
43 100
58 38.6 30.5 45.7

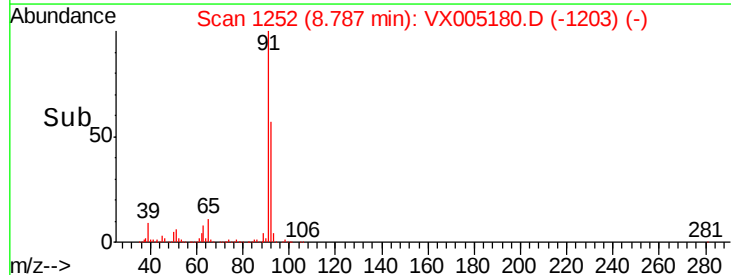
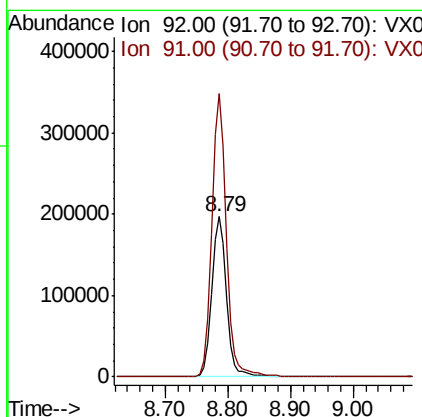
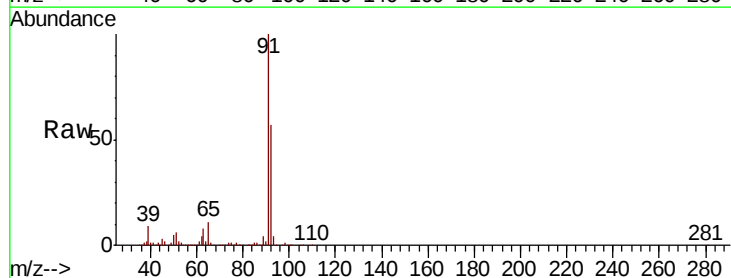
Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#52
Toluene
Concen: 55.190 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion: 92 Resp: 318548
Ion Ratio Lower Upper
92 100
91 174.7 136.7 205.1





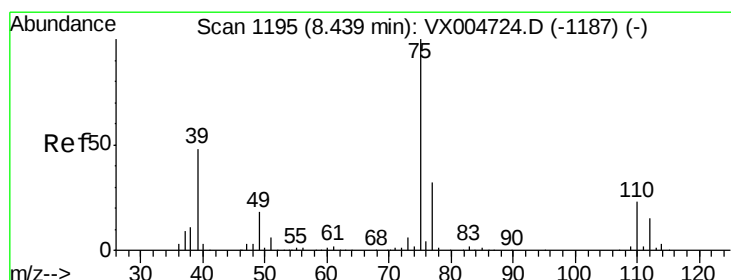
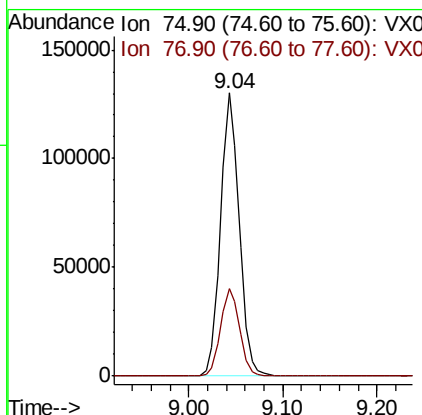
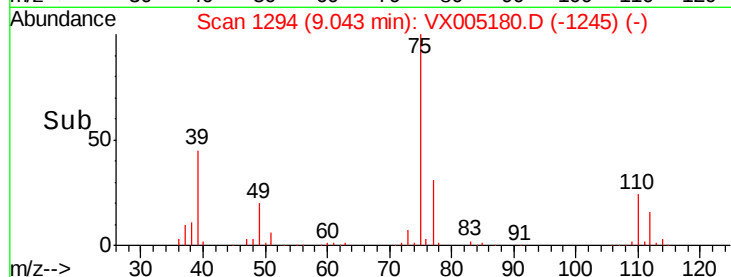
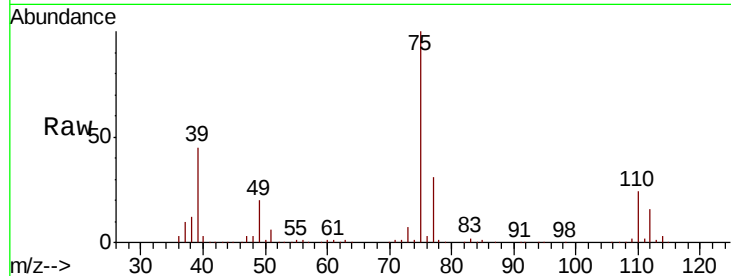
#53
t-1,3-Dichloropropene
Concen: 52.455 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 179664
Ion Ratio Lower Upper
75 100
77 31.1 28.9 43.3

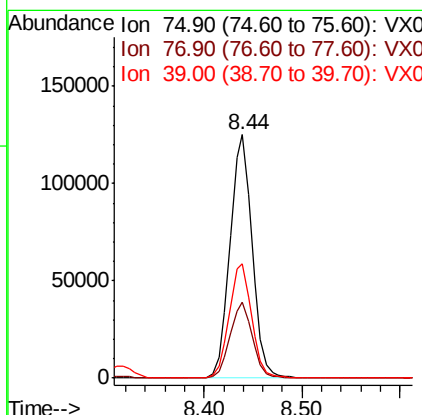
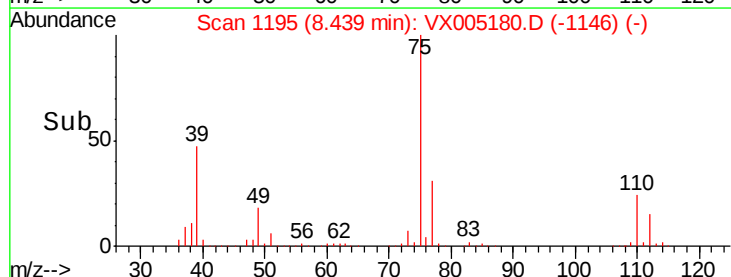
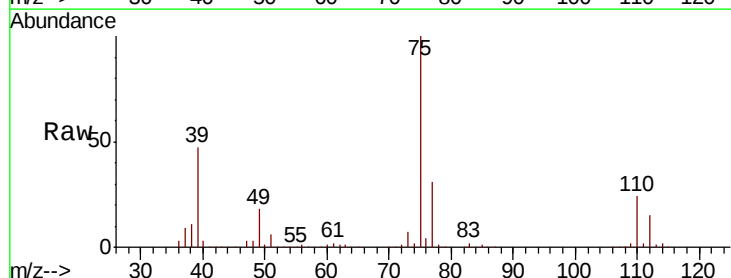
Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#54
cis-1,3-Dichloropropene
Concen: 54.658 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion: 75 Resp: 196088
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5
39 46.7 38.3 57.5





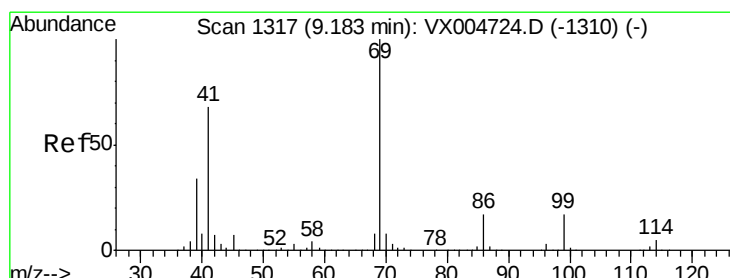
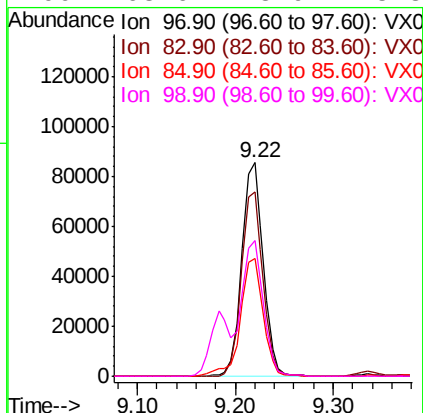
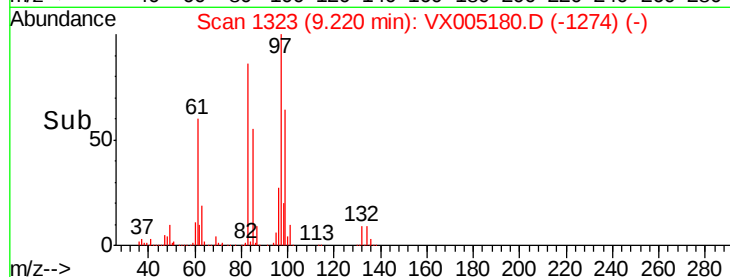
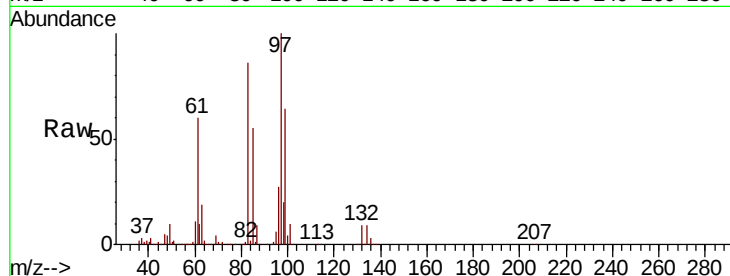
#55
 1,1,2-Trichloroethane
 Concen: 51.565 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		130369		
83	86.5	68.2	102.2		
85	55.3	49.9	74.9		
99	63.6	48.9	73.3		

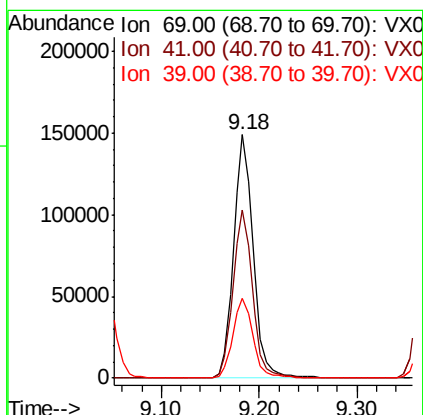
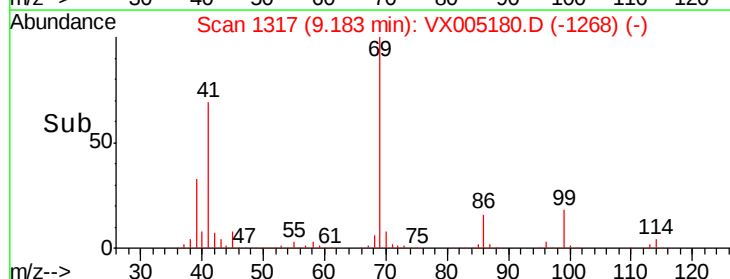
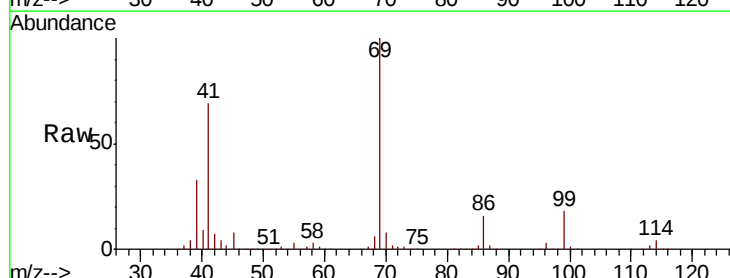
Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 2:08:16 PM



#56
 Ethyl methacrylate
 Concen: 50.485 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		207246		
41	69.6	56.9	85.3		
39	33.8	28.4	42.6		





#57

1,3-Dichloropropane

Concen: 52.084 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 219163

Ion Ratio Lower Upper

76 100

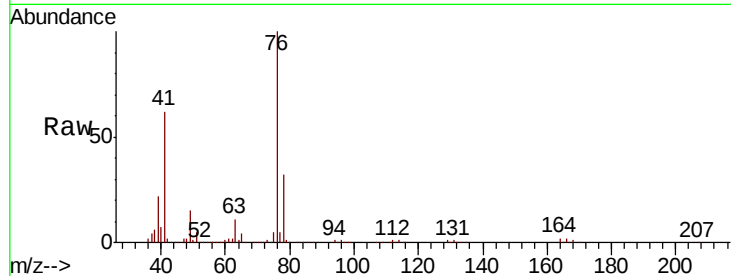
78 32.2 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

10/10/2018 2:08:16 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

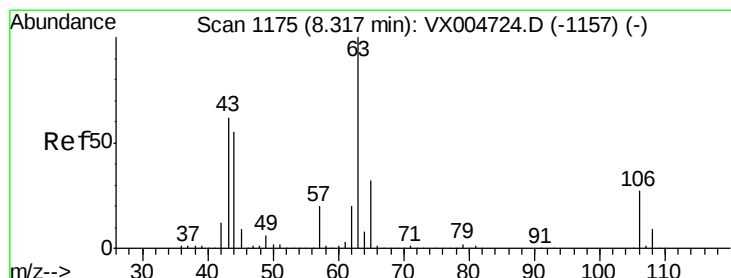
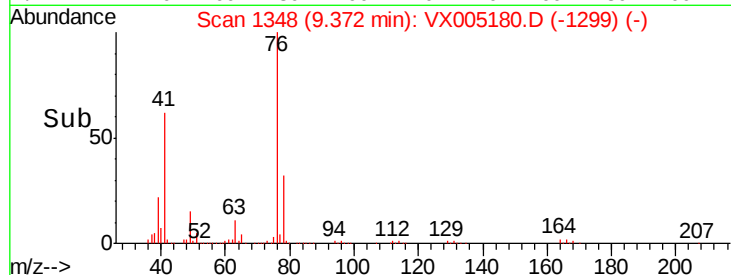
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 240.464 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005180.D

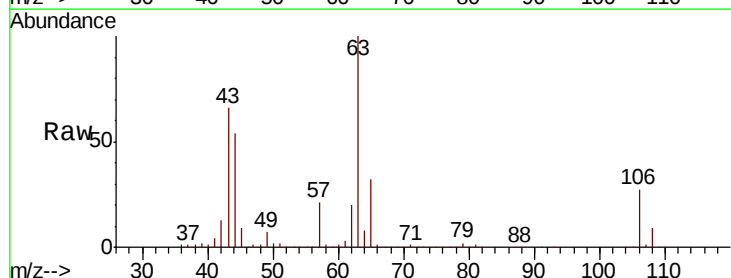
Acq: 10 Oct 2018 00:44

Tgt Ion: 63 Resp: 522584

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

300000

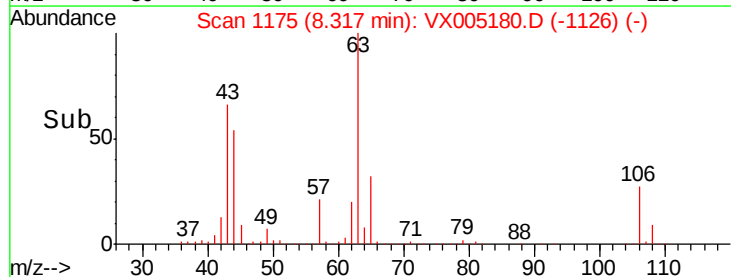
200000

100000

0

8.20 8.30 8.40

Time-->





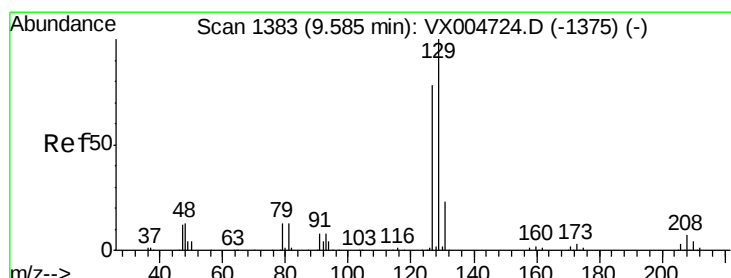
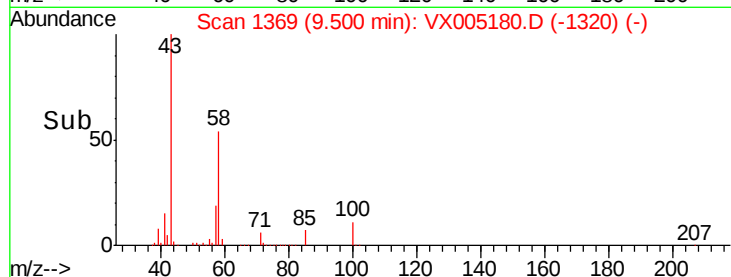
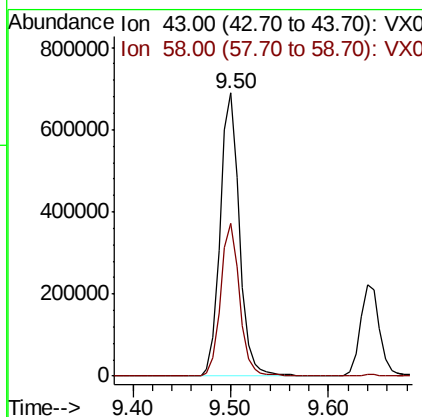
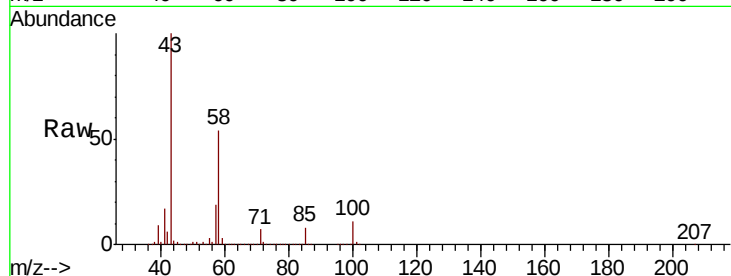
#59
2-Hexanone
Concen: 279.287 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	28.4	85.3

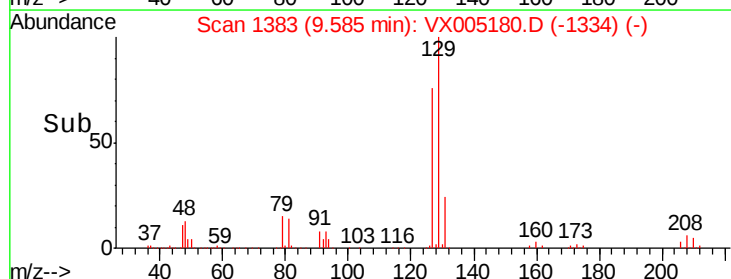
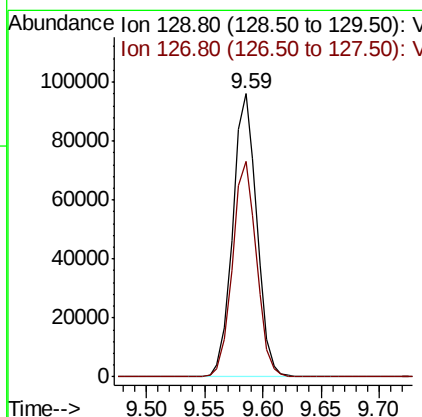
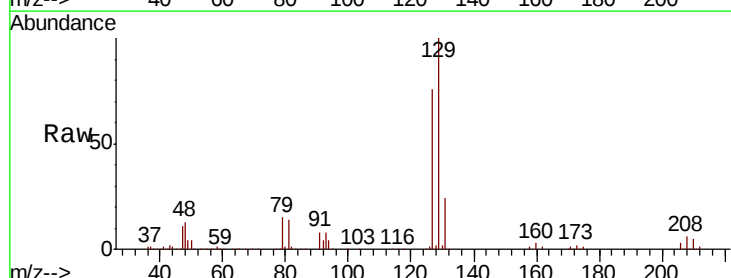
Manual Integrations
APPROVED

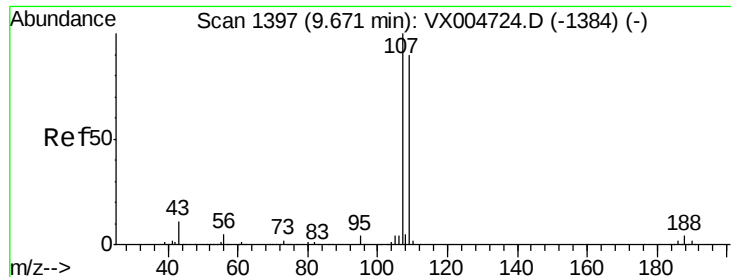
MMDadoda
10/10/2018 2:08:16 PM



#60
Dibromochloromethane
Concen: 54.740 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	39.1	117.2





#61

1,2-Dibromoethane

Concen: 51.087 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 138326

Ion Ratio Lower Upper

107 100

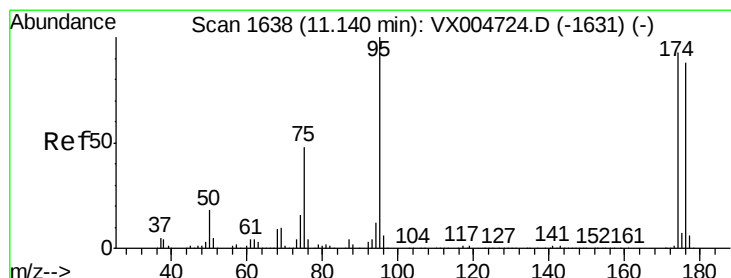
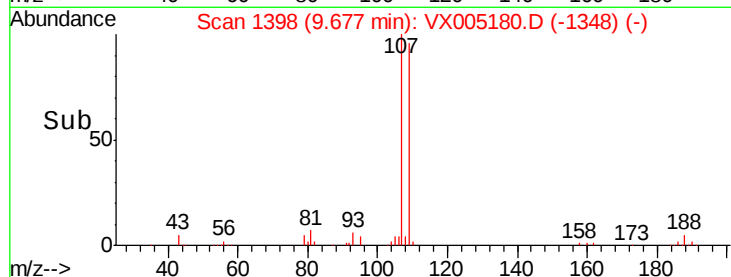
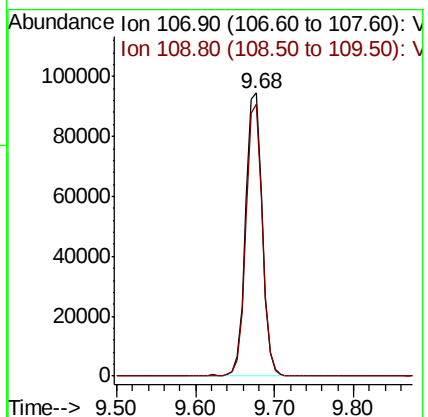
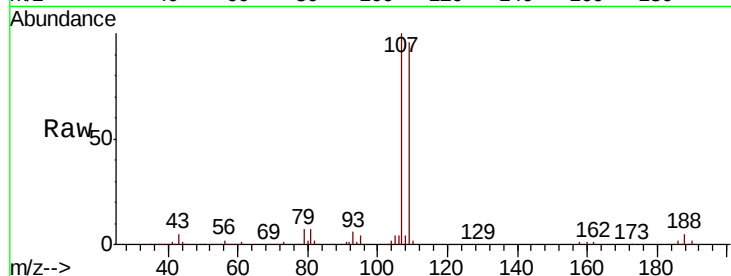
109 94.7 72.1 108.1

Manual Integrations

APPROVED

MMDadoda

10/10/2018 2:08:16 PM



#62

4-Bromofluorobenzene

Concen: 53.809 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

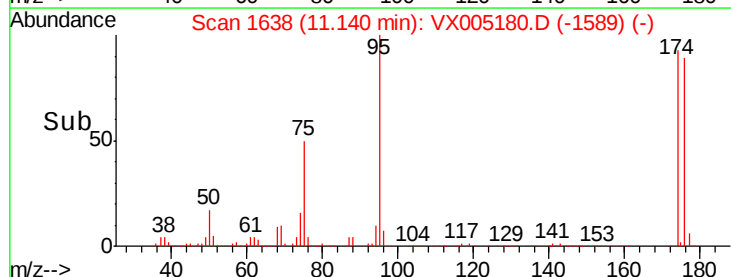
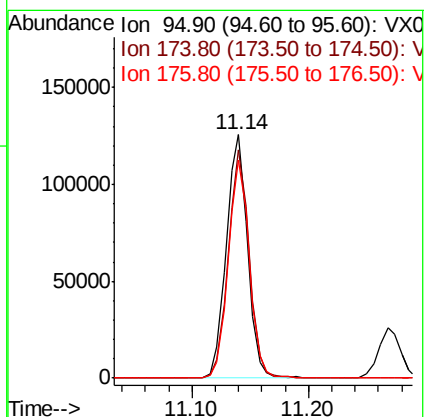
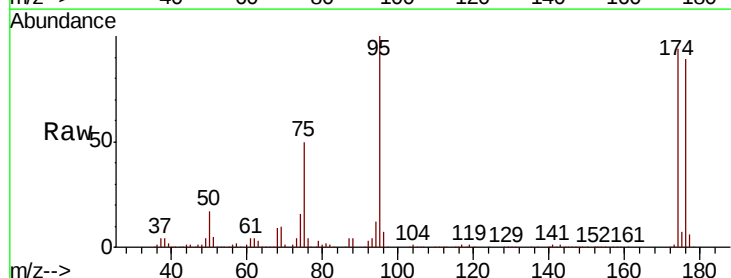
Tgt Ion: 95 Resp: 158480

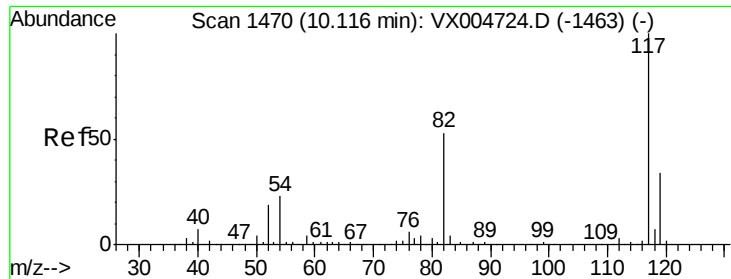
Ion Ratio Lower Upper

95 100

174 92.8 0.0 185.0

176 89.3 0.0 180.2





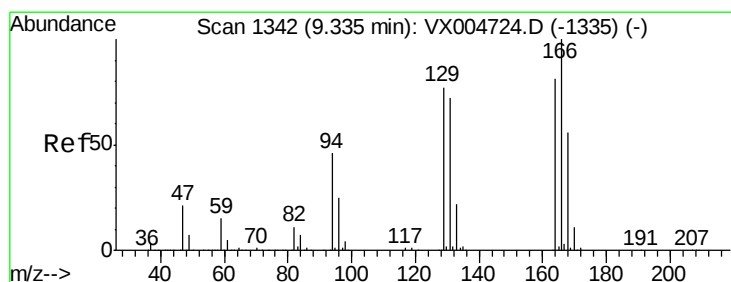
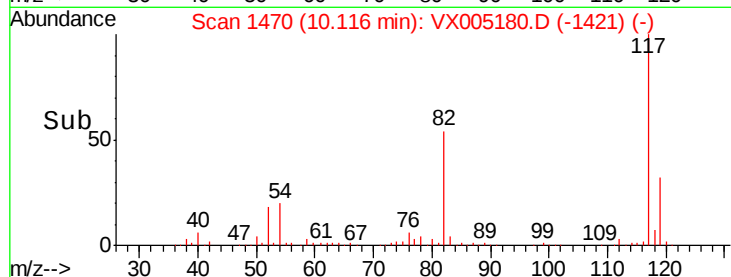
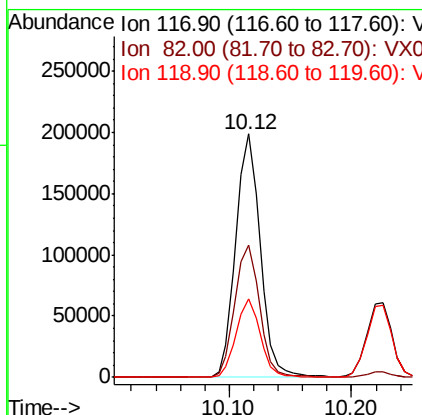
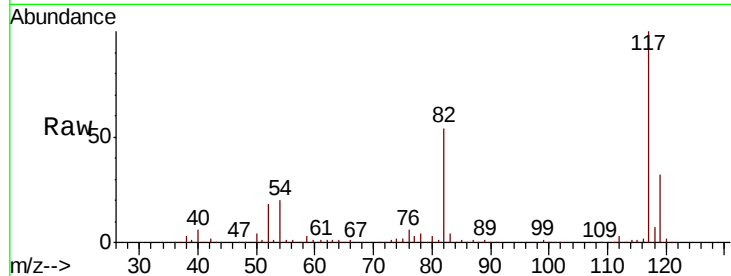
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.2	63.4
119	32.3	27.4	41.0

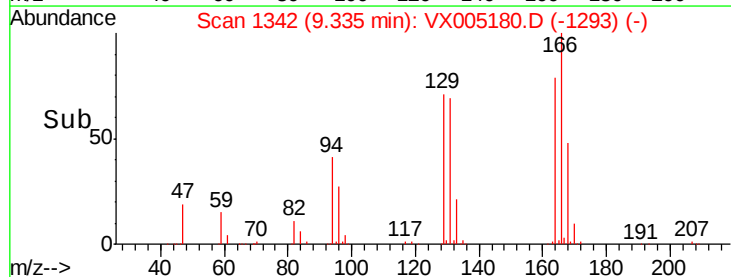
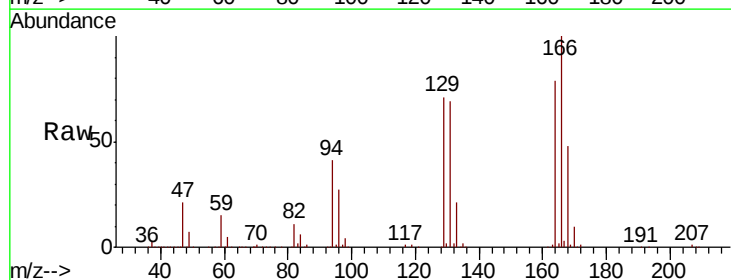
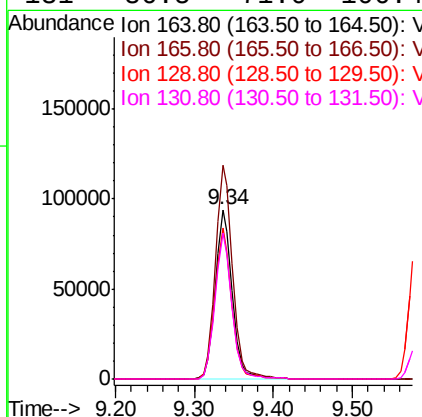
Manual Integrations
APPROVED

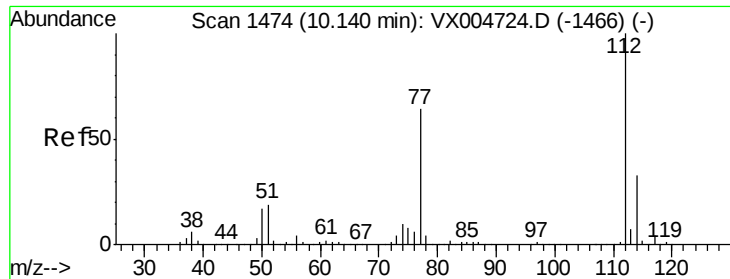
MMDadoda
10/10/2018 2:08:16 PM



#64
Tetrachloroethene
Concen: 51.609 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	98.4	147.6
129	89.0	76.1	114.1
131	86.5	71.0	106.4





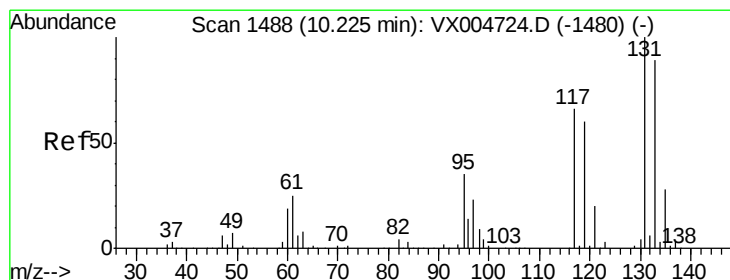
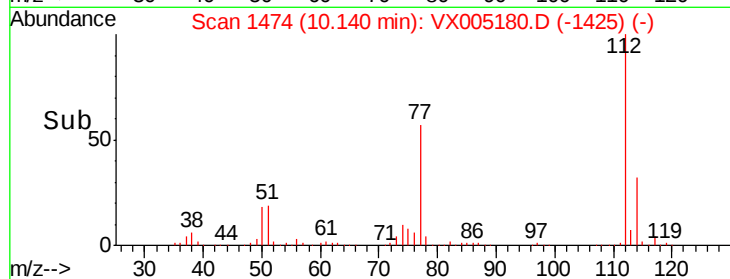
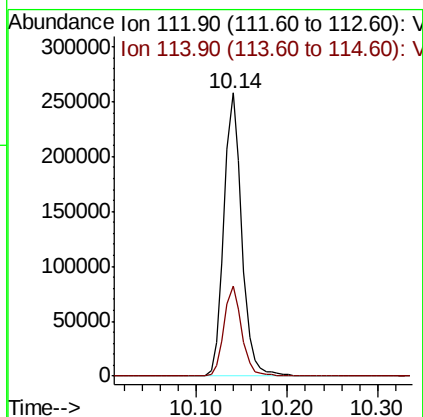
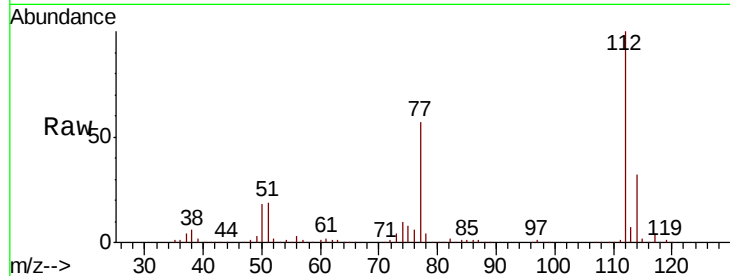
#65
Chlorobenzene
Concen: 50.028 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 354641
Ion Ratio Lower Upper
112 100
114 31.9 26.7 40.1

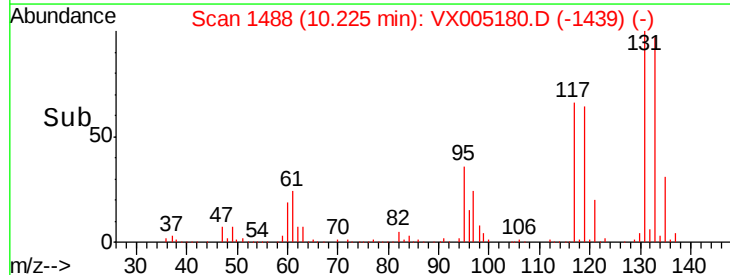
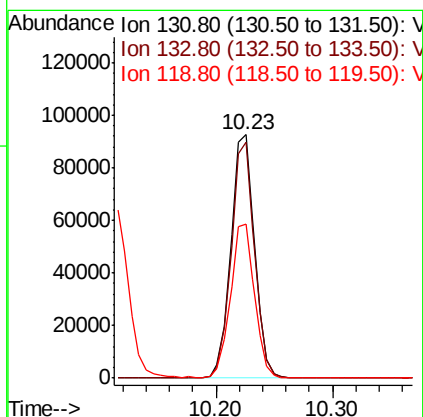
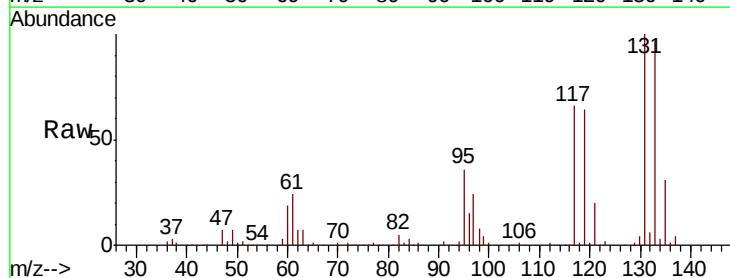
Manual Integrations
APPROVED

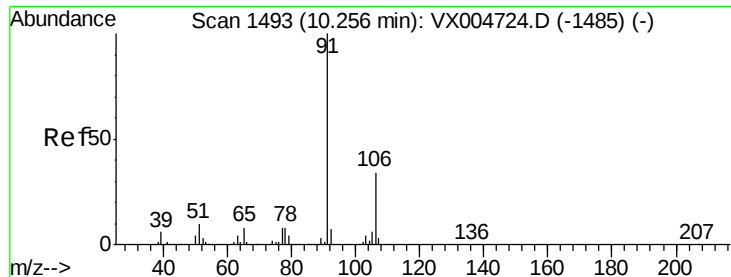
MMDadoda
10/10/2018 2:08:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.571 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion:131 Resp: 131013
Ion Ratio Lower Upper
131 100
133 95.5 48.4 145.0
119 64.5 32.3 96.8





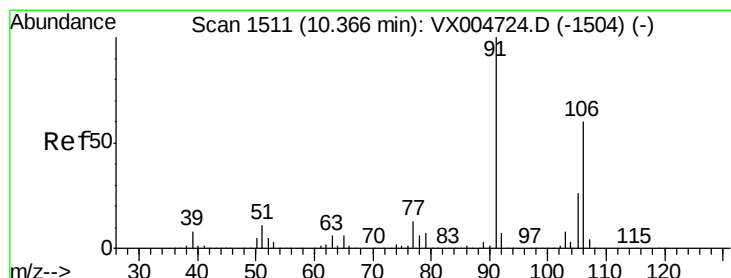
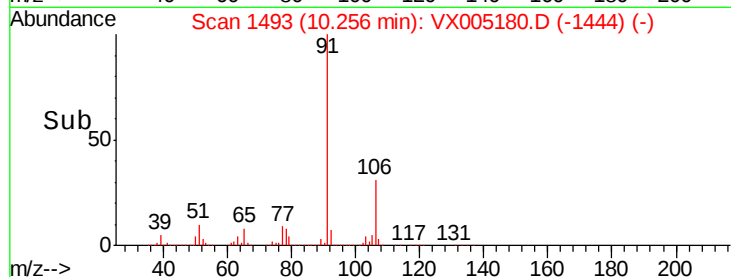
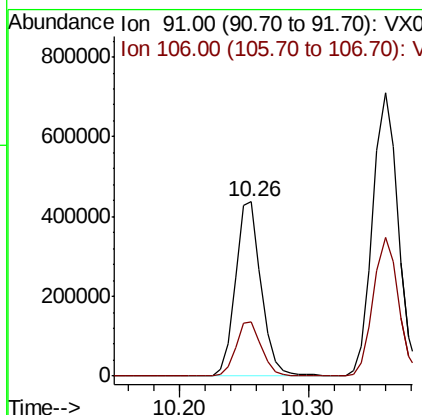
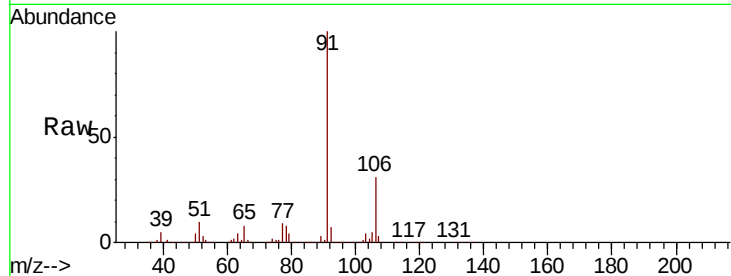
#67
Ethyl Benzene
Concen: 54.196 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 609938
Ion Ratio Lower Upper
91 100
106 31.3 26.9 40.3

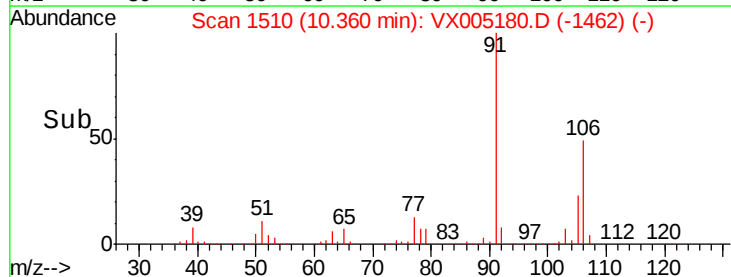
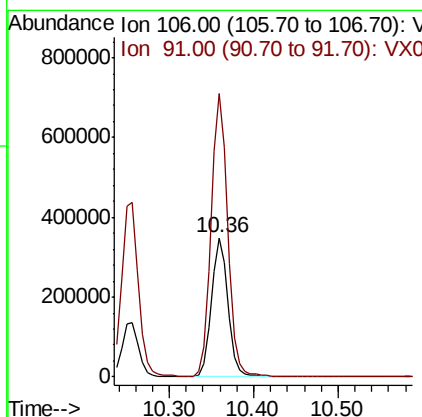
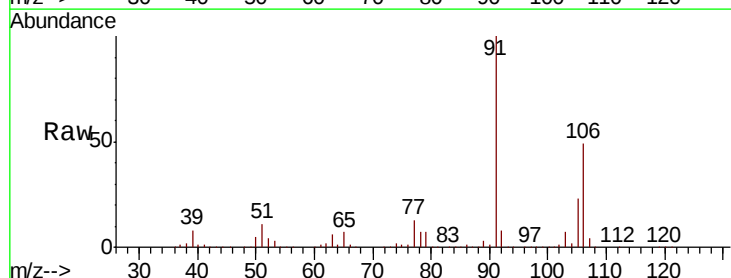
Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#68
m/p-Xylenes
Concen: 108.109 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion: 106 Resp: 475453
Ion Ratio Lower Upper
106 100
91 205.0 157.5 236.3





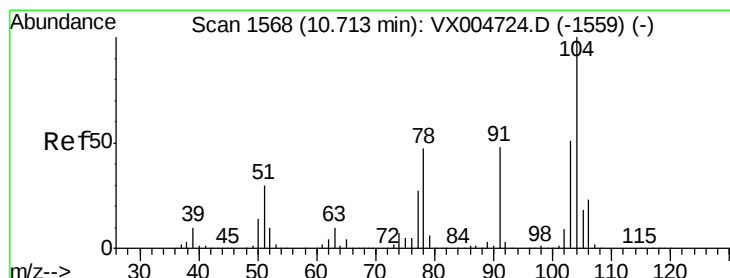
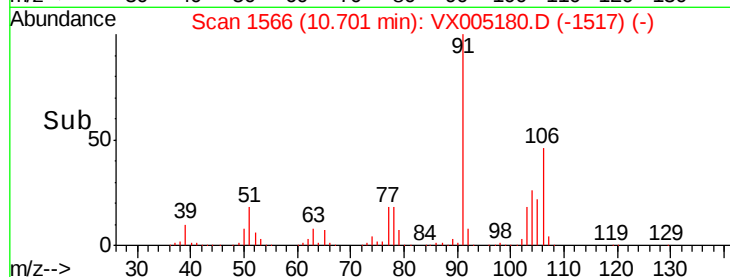
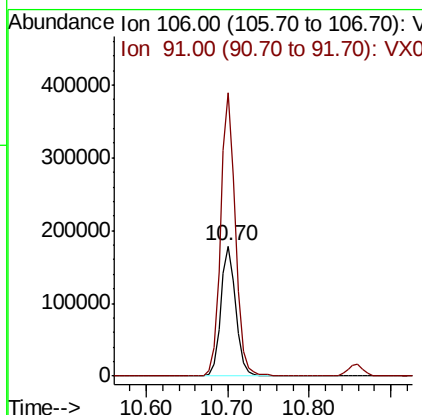
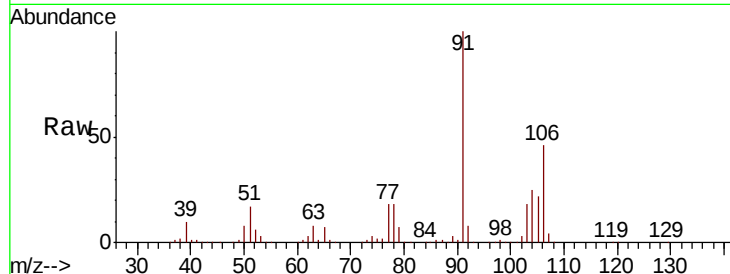
#69
o-Xylene
Concen: 56.497 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 228217
Ion Ratio Lower Upper
106 100
91 215.5 108.3 324.8

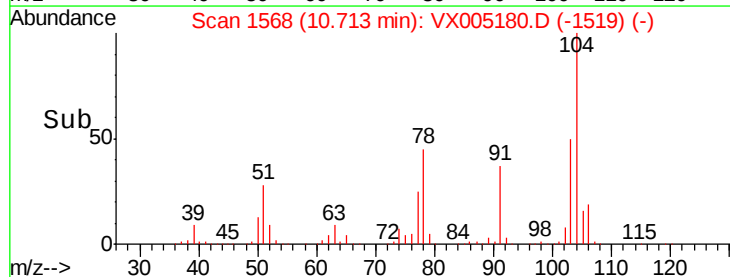
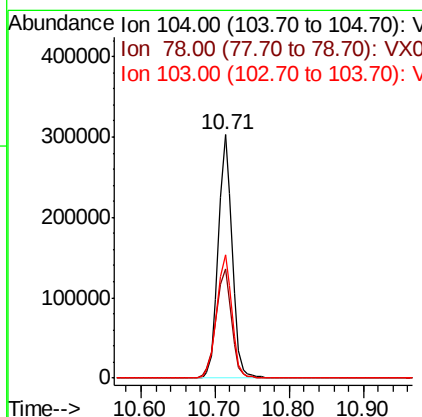
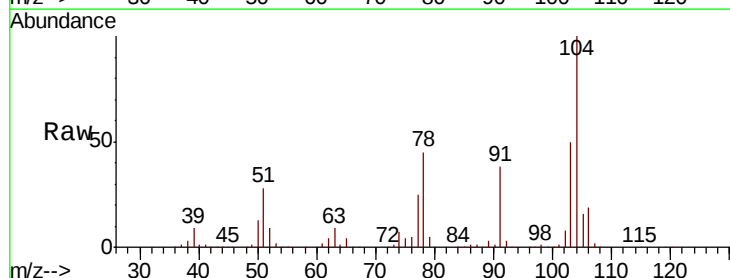
Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#70
Styrene
Concen: 51.320 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion:104 Resp: 388170
Ion Ratio Lower Upper
104 100
78 50.4 40.0 60.0
103 55.7 44.3 66.5





#71

Bromoform

Concen: 53.637 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

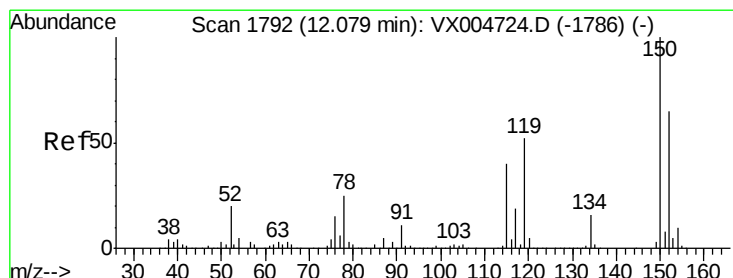
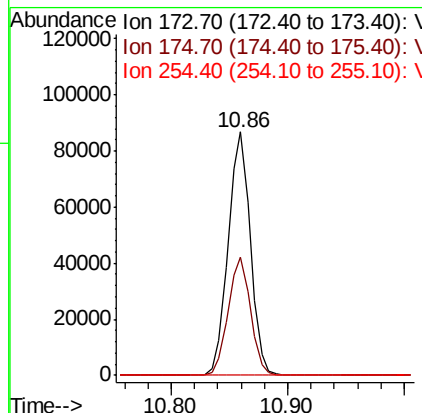
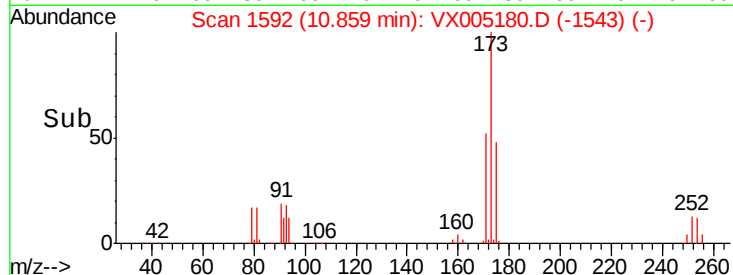
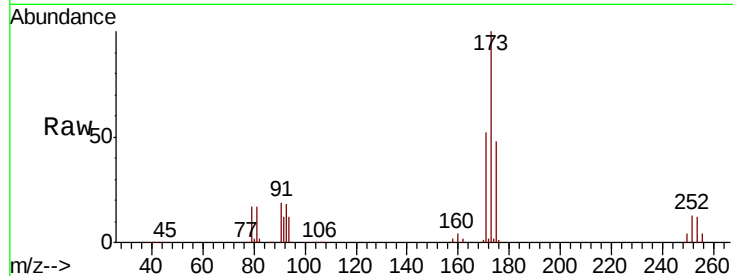
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.3	69.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

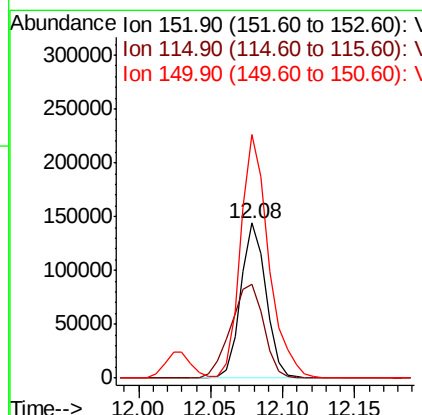
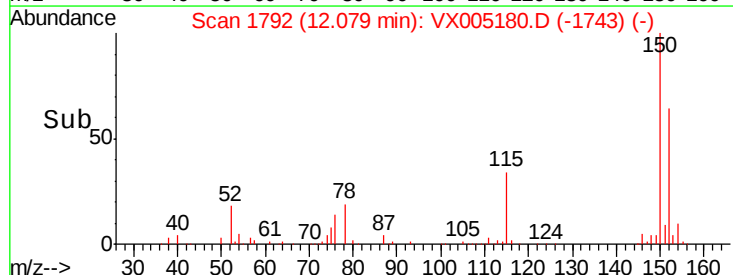
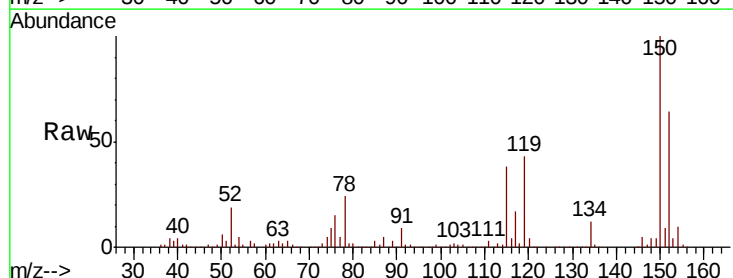
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.9	40.2	120.6
150	175.4	0.0	351.0





#73

Isopropylbenzene

Concen: 56.090 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 619754

Ion Ratio Lower Upper

105 100

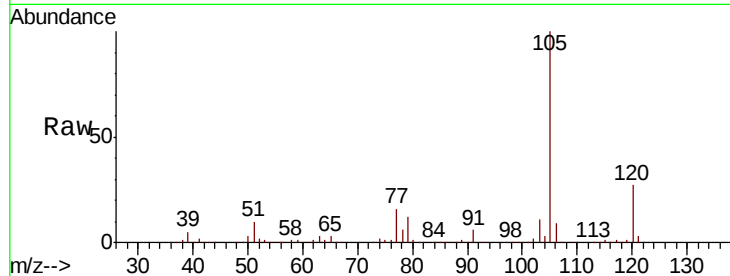
120 26.5 13.2 39.5

Manual Integrations

APPROVED

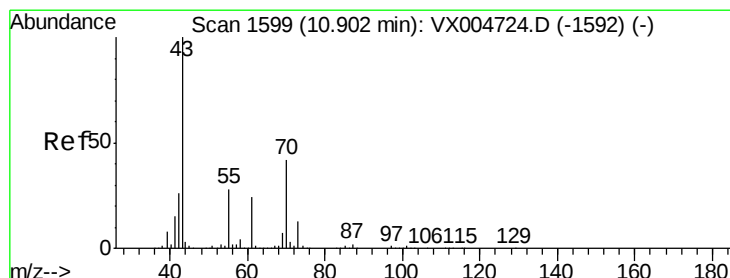
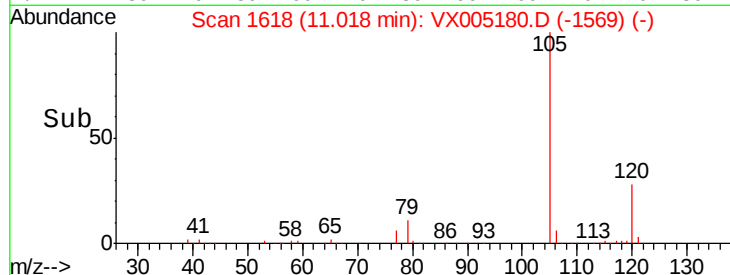
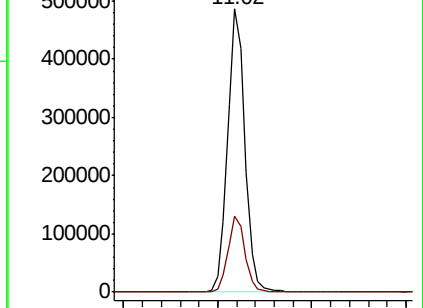
MMDadoda

10/10/2018 2:08:16 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.204 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Tgt Ion: 43 Resp: 298648

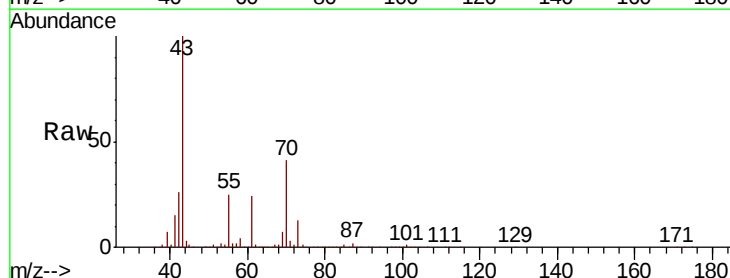
Ion Ratio Lower Upper

43 100

70 40.3 32.6 48.8

55 25.2 21.6 32.4

61 23.5 19.1 28.7

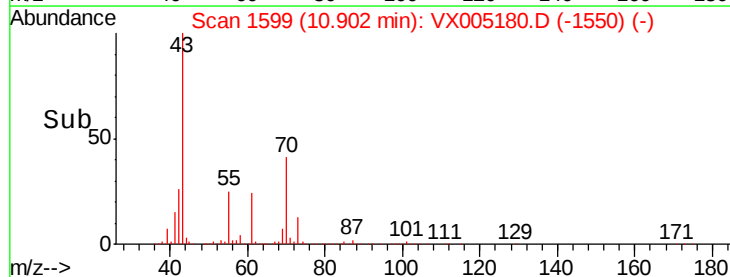
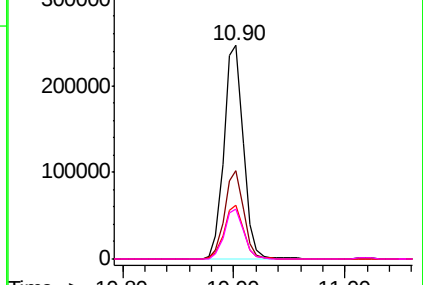


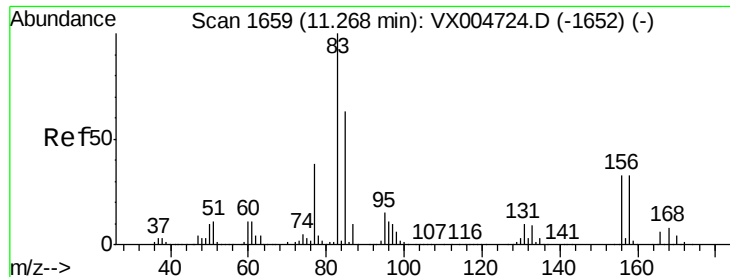
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.451 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

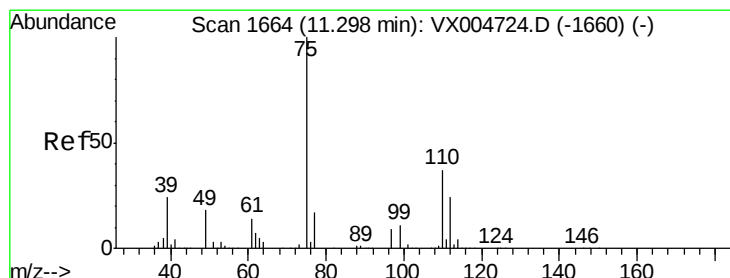
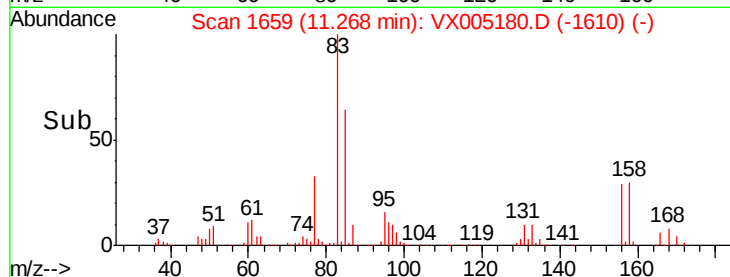
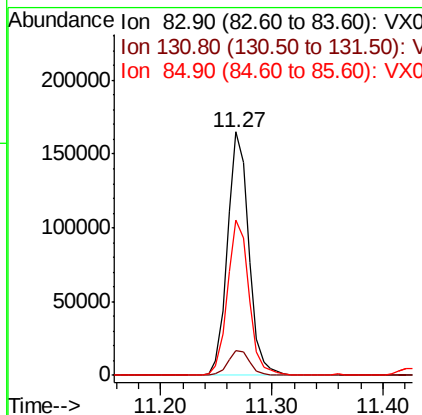
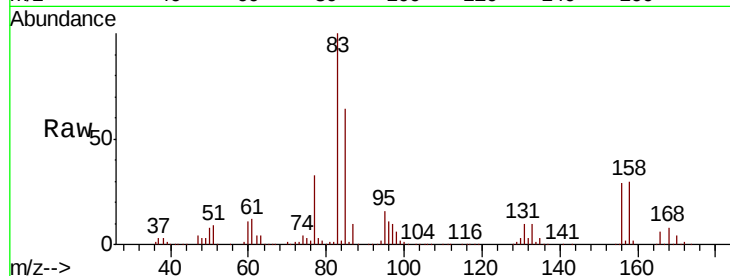
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	217922
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	64.4	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#76

1,2,3-Trichloropropane

Concen: 51.660 ug/l m

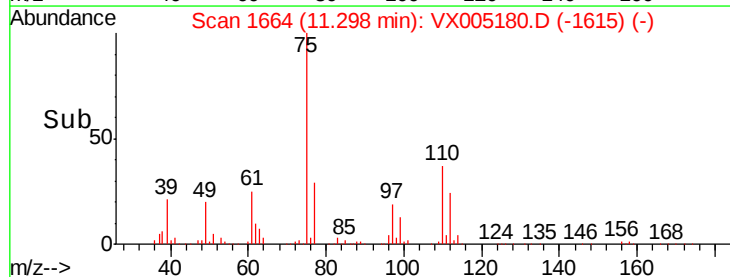
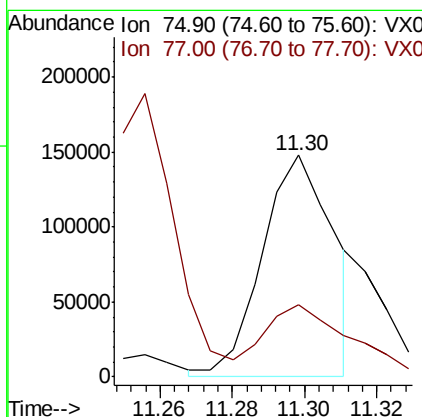
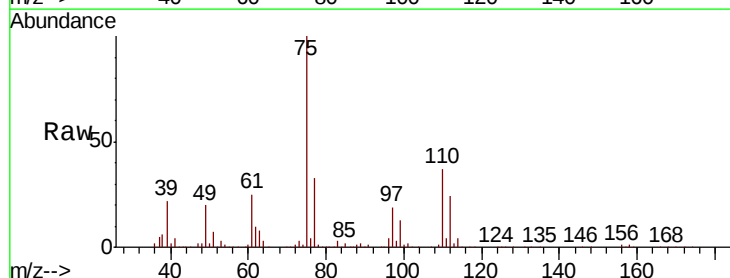
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Tgt Ion:	75	Resp:	202974
Ion Ratio	Lower	Upper	
75	100		
77	40.0	21.4	64.3





#77

Bromobenzene

Concen: 51.589 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

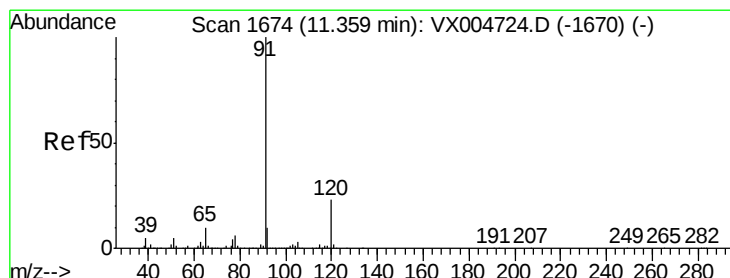
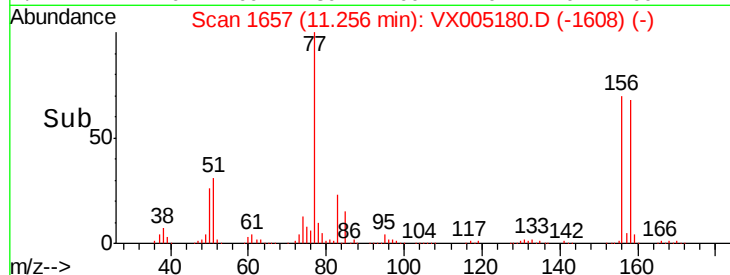
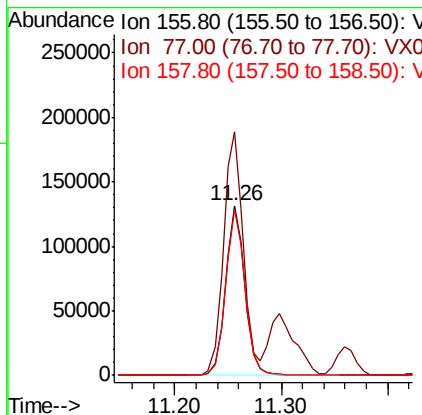
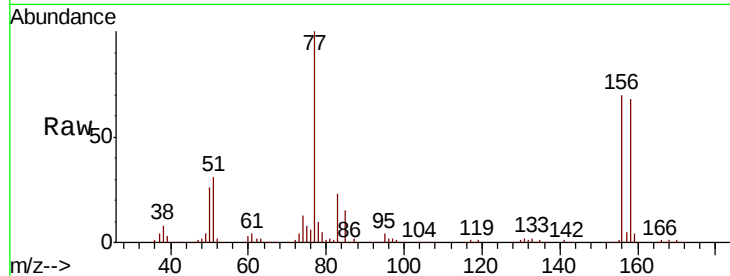
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.3	73.4	220.2
158	98.2	49.1	147.4

Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#78

n-propylbenzene

Concen: 56.621 ug/l

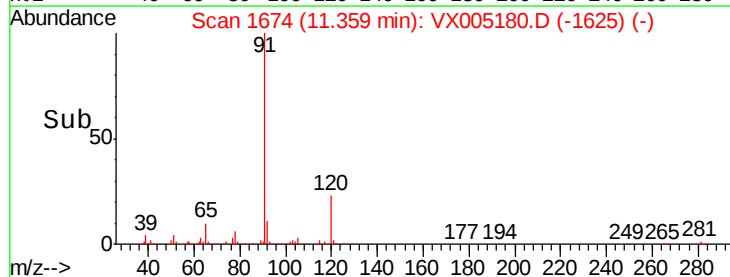
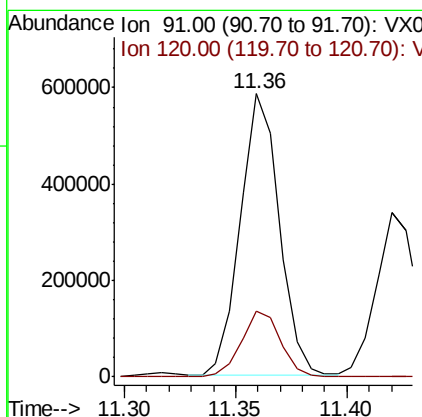
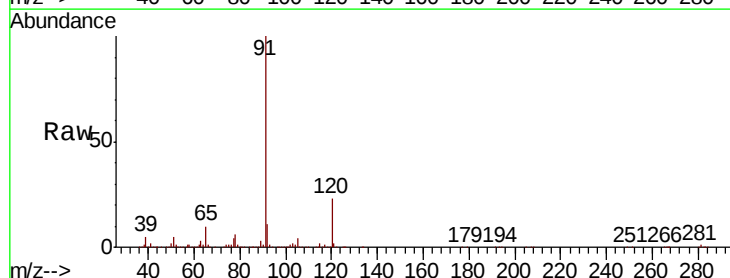
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	12.0	36.0





#79

2-Chlorotoluene

Concen: 53.907 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 425985

Ion Ratio Lower Upper

91 100

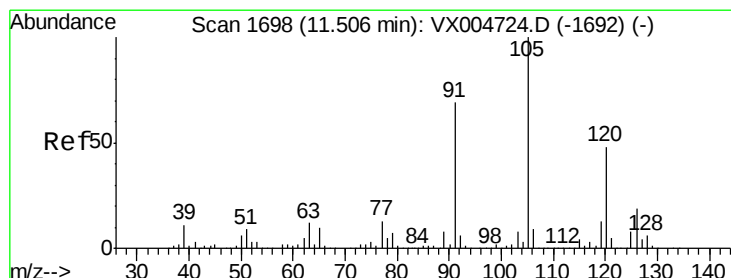
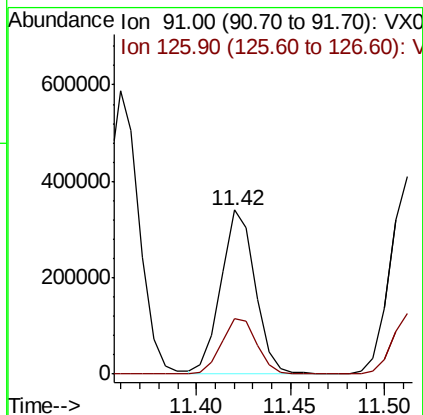
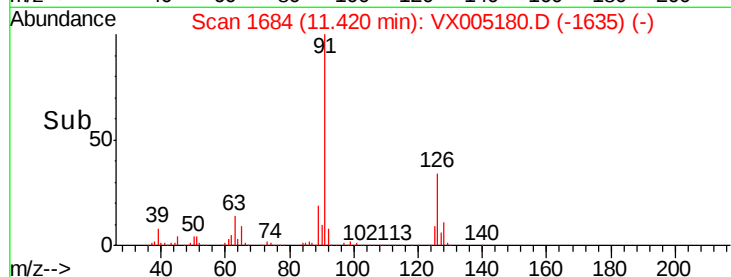
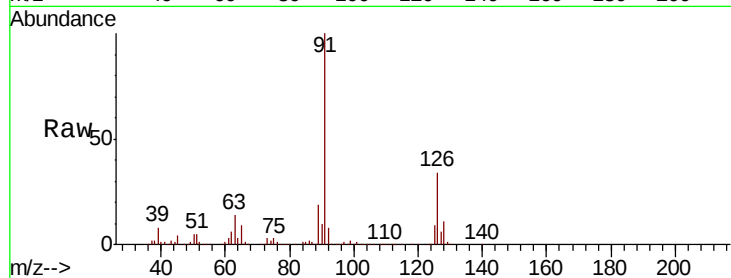
126 35.2 17.6 52.9

Manual Integrations

APPROVED

MMDadoda

10/10/2018 2:08:16 PM



#80

1,3,5-Trimethylbenzene

Concen: 52.456 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005180.D

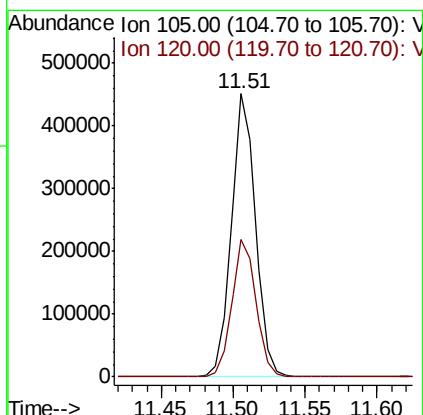
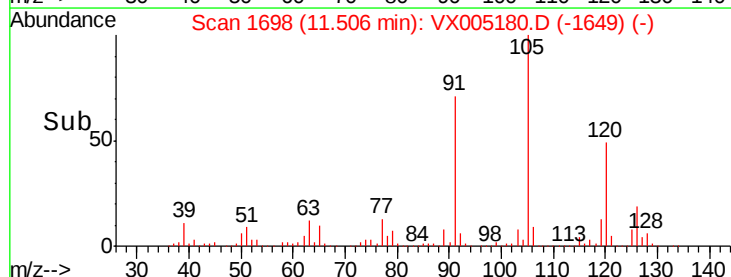
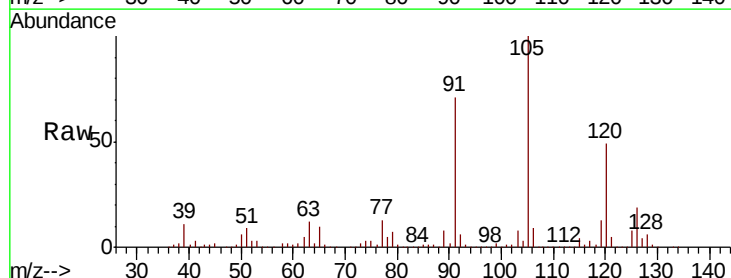
Acq: 10 Oct 2018 00:44

Tgt Ion: 105 Resp: 531119

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 40.299 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 57476

Ion Ratio Lower Upper

75 100

53 97.2 80.2 120.4

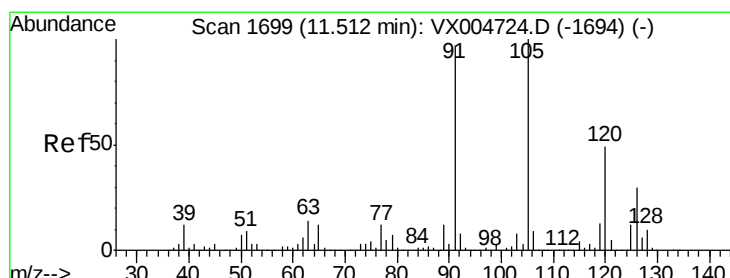
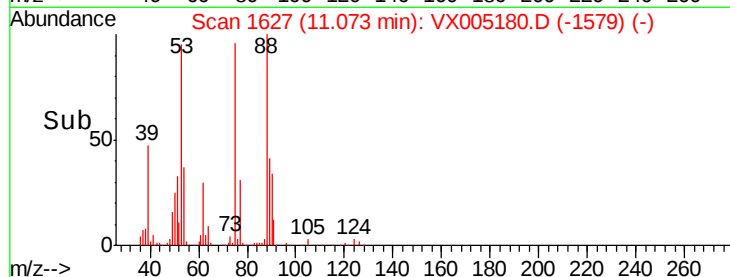
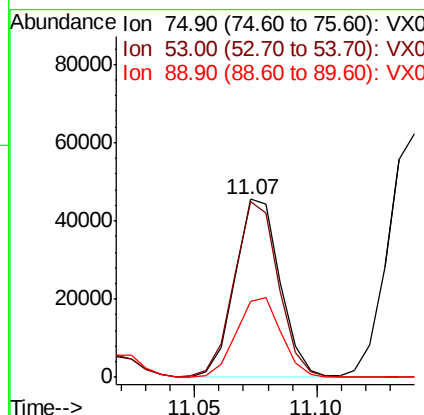
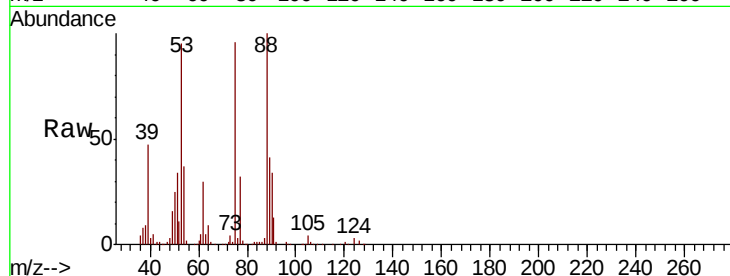
89 45.5 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

10/10/2018 2:08:16 PM



#82

4-Chlorotoluene

Concen: 54.141 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005180.D

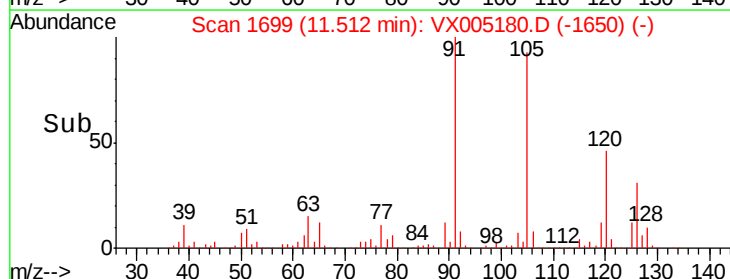
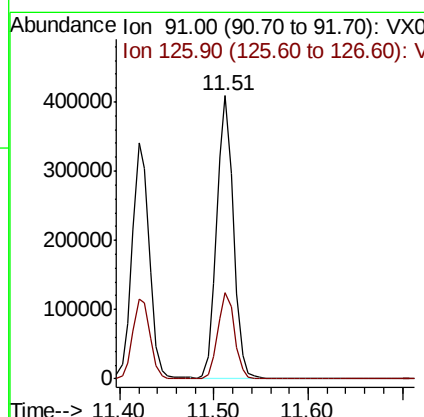
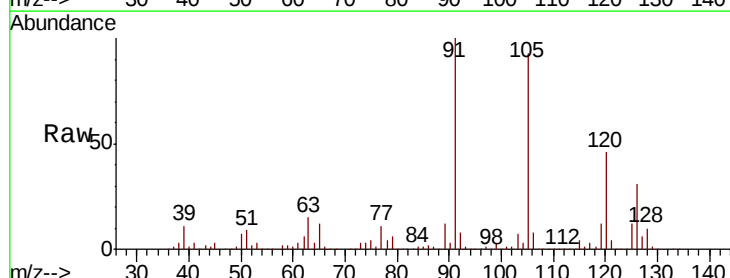
Acq: 10 Oct 2018 00:44

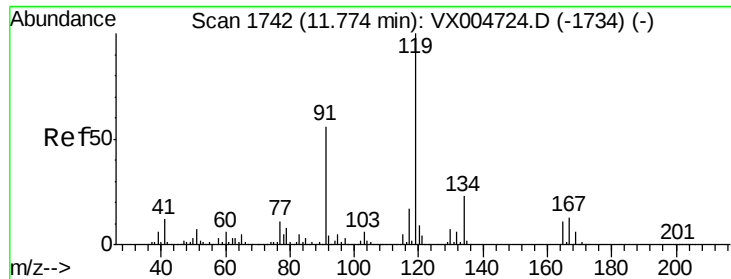
Tgt Ion: 91 Resp: 503578

Ion Ratio Lower Upper

91 100

126 30.5 15.5 46.5





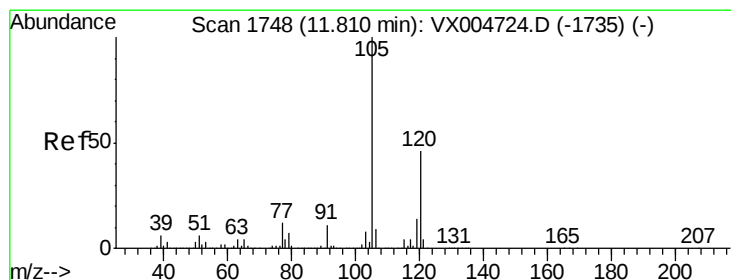
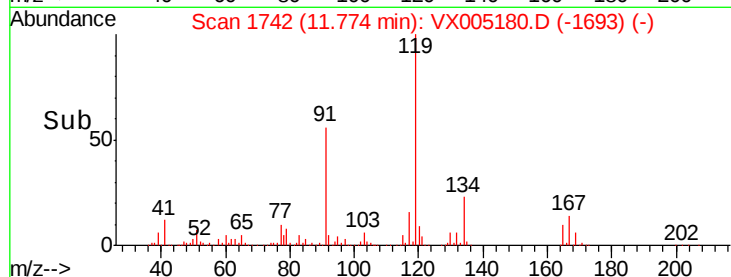
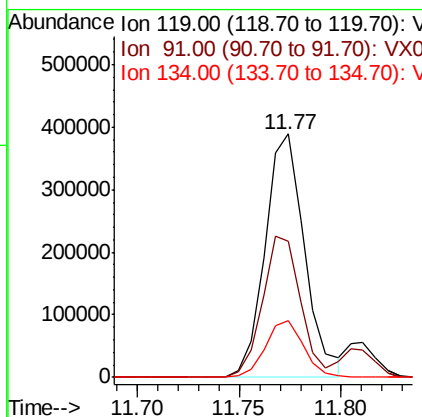
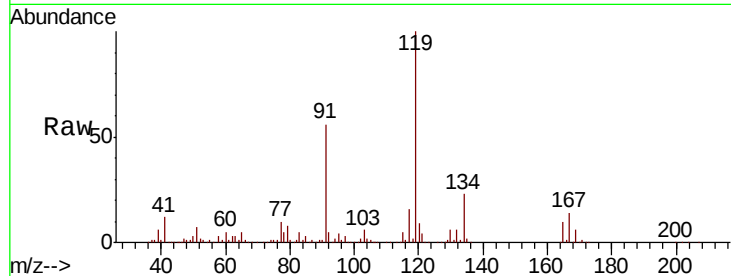
#83
 tert-Butylbenzene
 Concen: 57.734 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	525219		
91	56.1		27.5	82.5
134	22.7		11.5	34.4

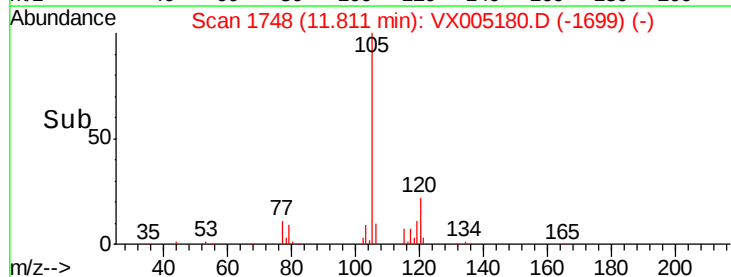
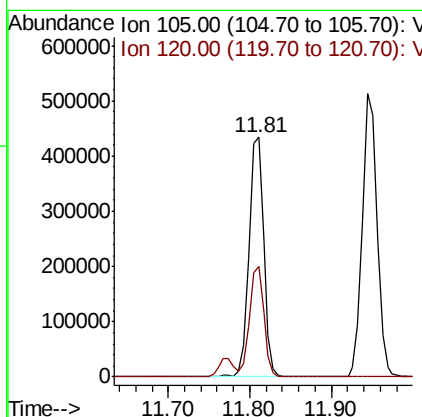
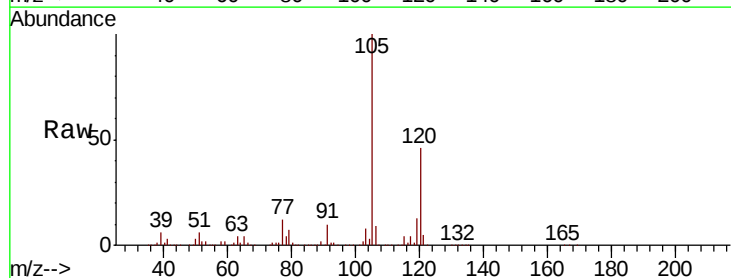
Manual Integrations
 APPROVED

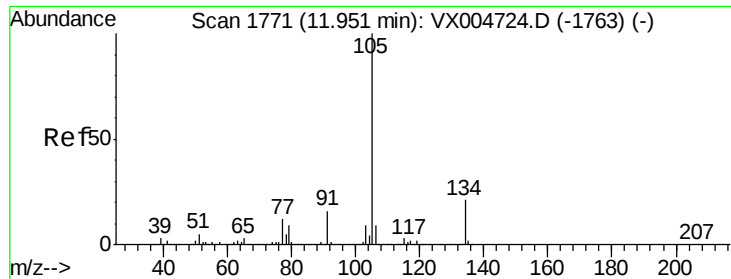
MMDadoda
 10/10/2018 2:08:16 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.315 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	546264		
120	44.9		22.8	68.3





#85

sec-Butylbenzene

Concen: 57.026 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 631885

Ion Ratio Lower Upper

105 100

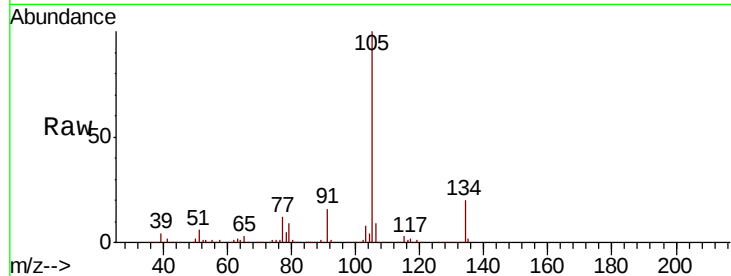
134 20.3 10.2 30.4

Manual Integrations

APPROVED

MMDadoda

10/10/2018 2:08:16 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

200000

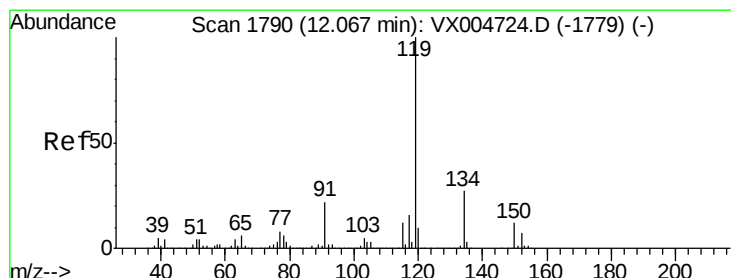
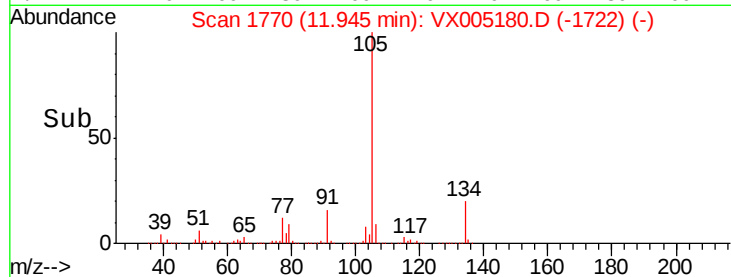
100000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 56.773 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005180.D

Acq: 10 Oct 2018 00:44

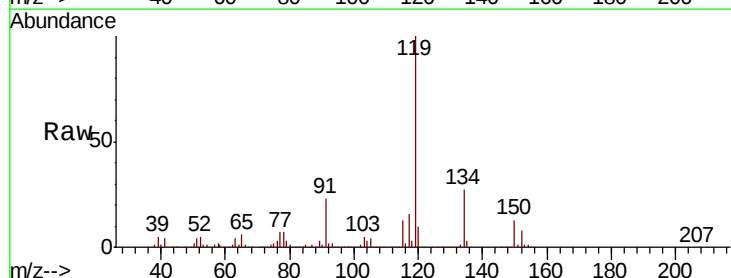
Tgt Ion:119 Resp: 569952

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.8 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

600000

500000

400000

300000

200000

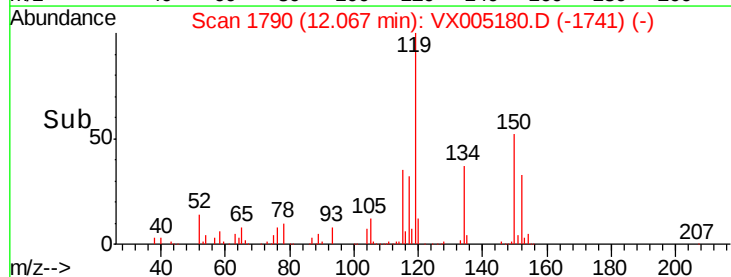
100000

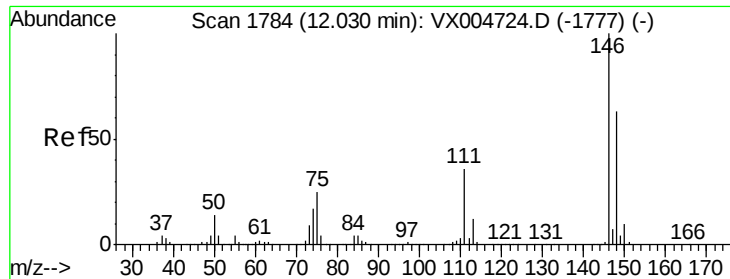
0

12.00

12.10

Time-->





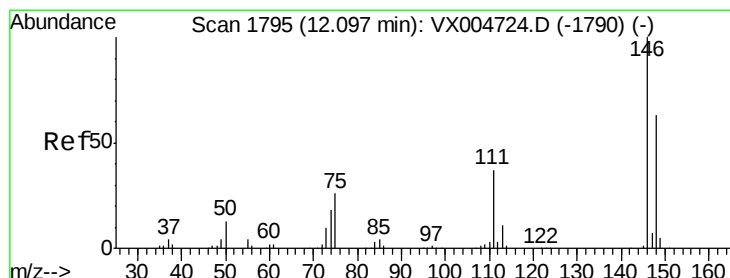
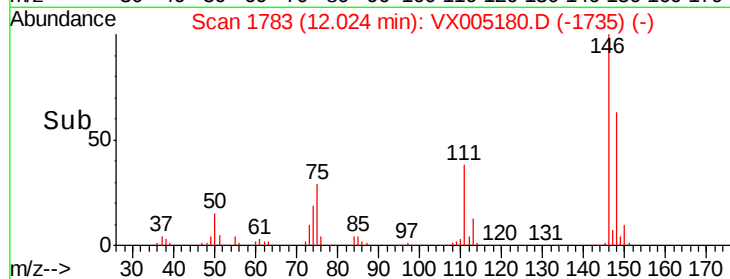
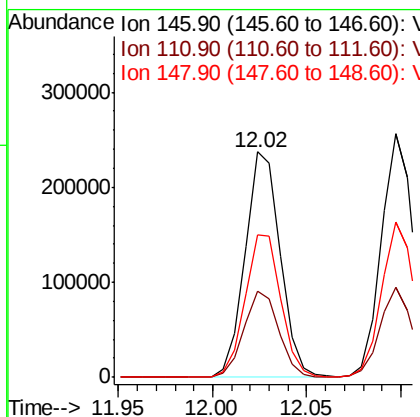
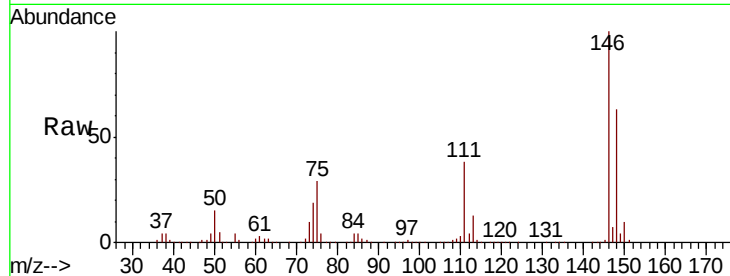
#87
 1,3-Dichlorobenzene
 Concen: 51.302 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	64.5	31.8	95.3

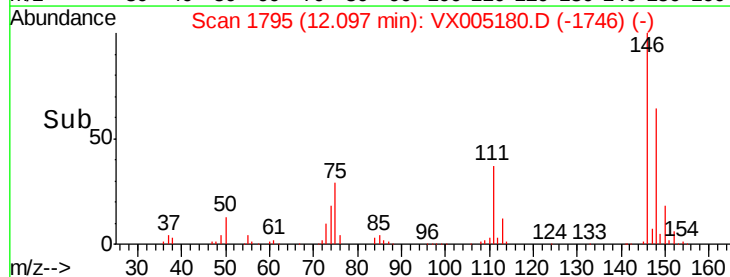
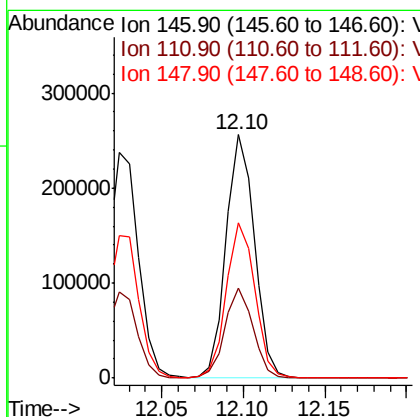
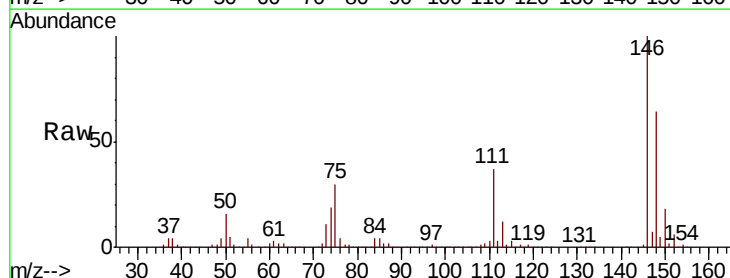
Manual Integrations
 APPROVED

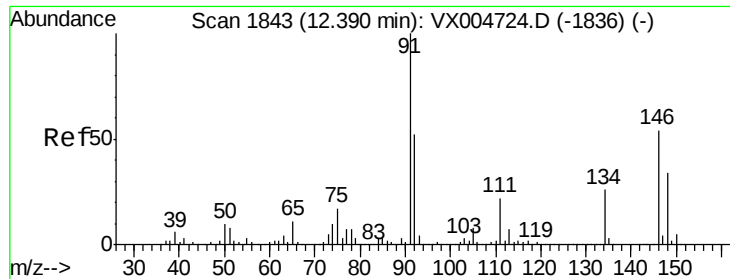
MMDadoda
 10/10/2018 2:08:16 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.182 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.2
148	64.5	32.0	96.0





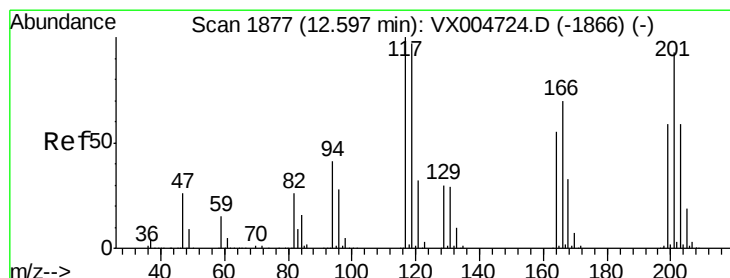
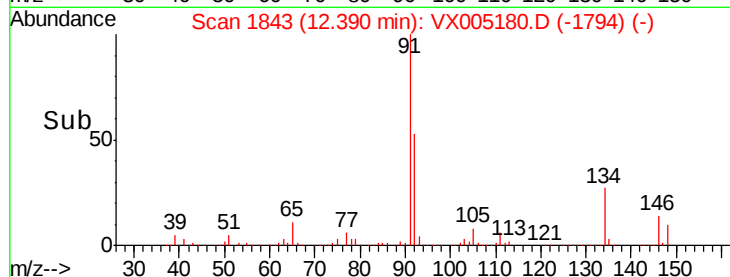
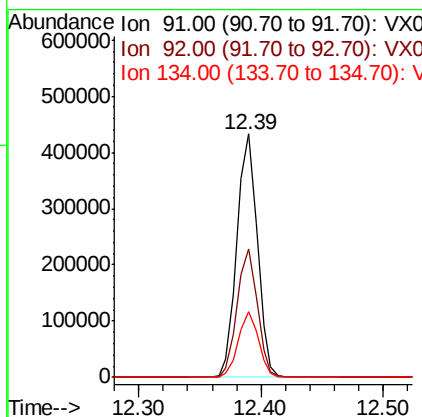
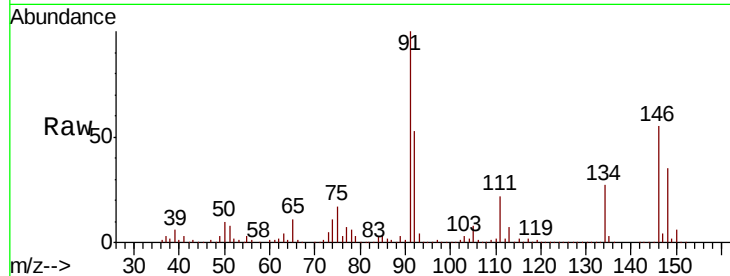
#89
n-Butylbenzene
Concen: 54.623 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	26.7	13.2	39.6

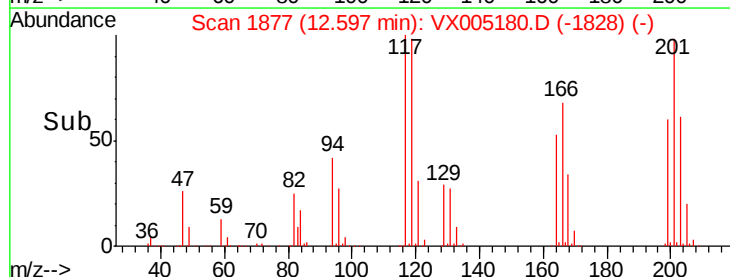
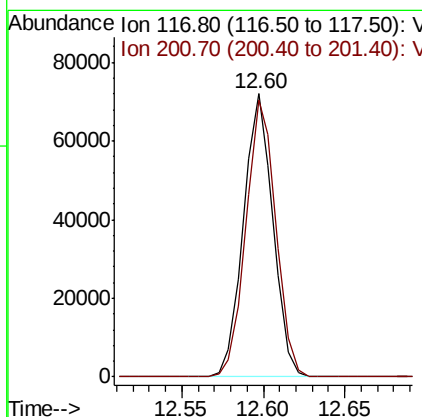
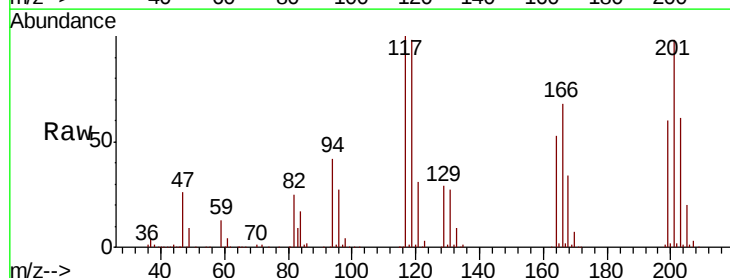
Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#90
Hexachloroethane
Concen: 54.235 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.3	48.4	145.0





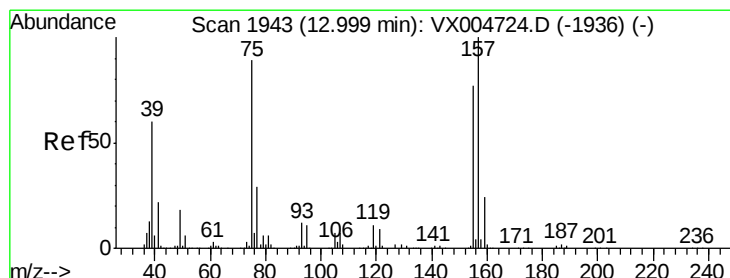
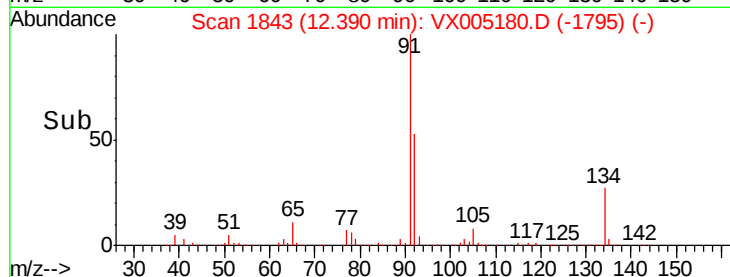
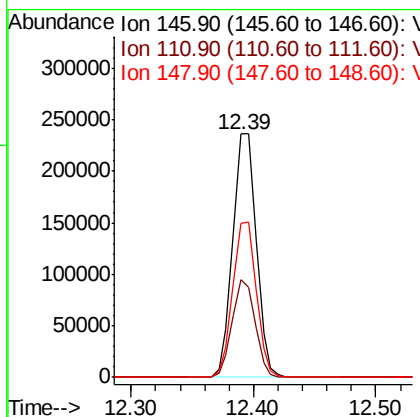
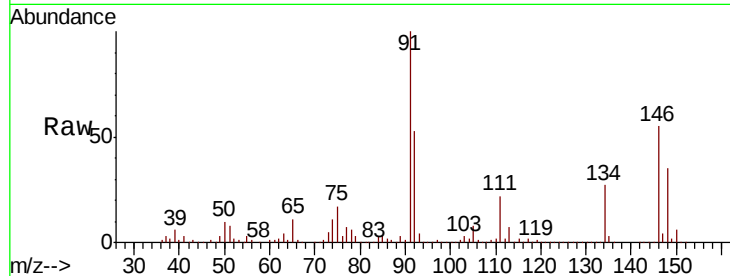
#91
 1,2-Dichlorobenzene
 Concen: 49.911 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	64.0	31.8	95.4

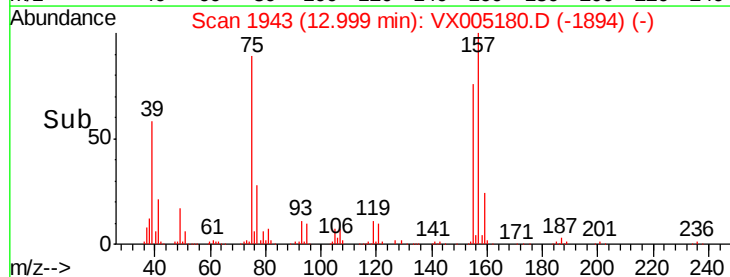
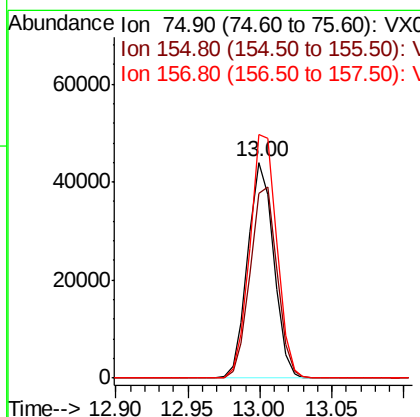
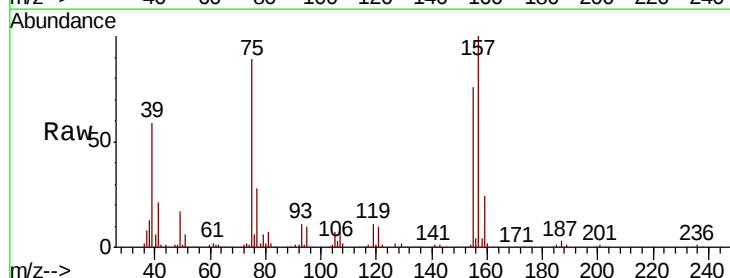
Manual Integrations
 APPROVED

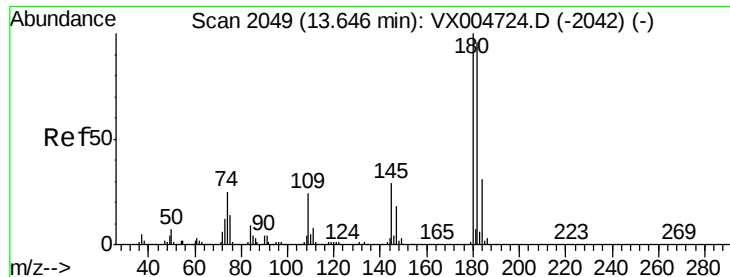
MMDadoda
 10/10/2018 2:08:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.455 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	46.1	138.3
157	116.7	60.2	180.6





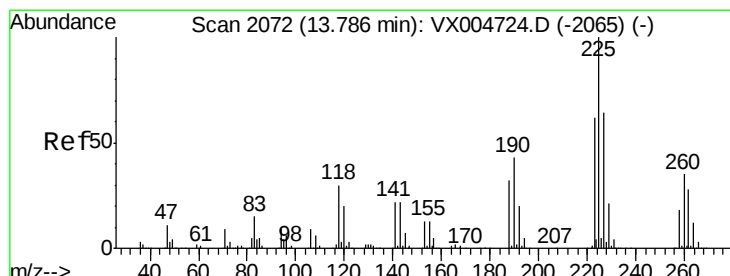
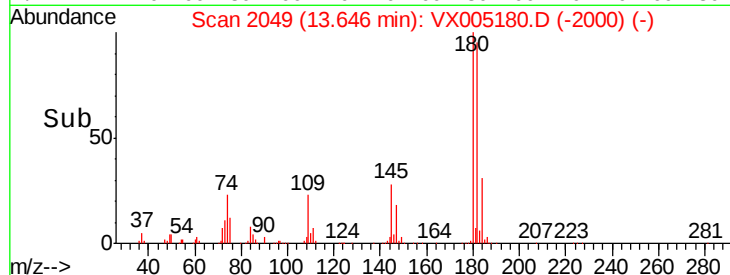
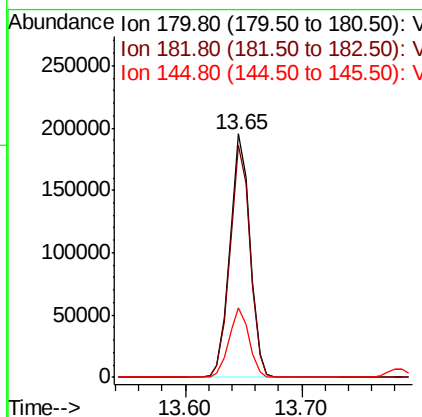
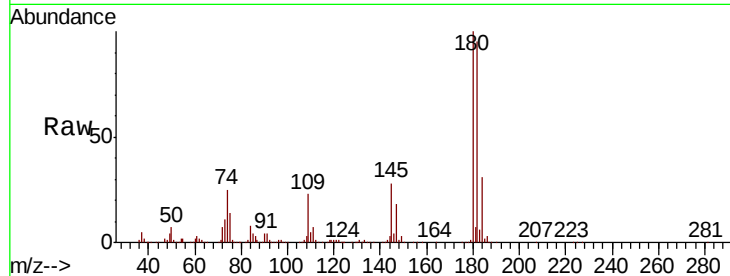
#93
 1,2,4-Trichlorobenzene
 Concen: 53.371 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	234469		
182	95.6	47.8	143.4	
145	28.1	14.1	42.4	

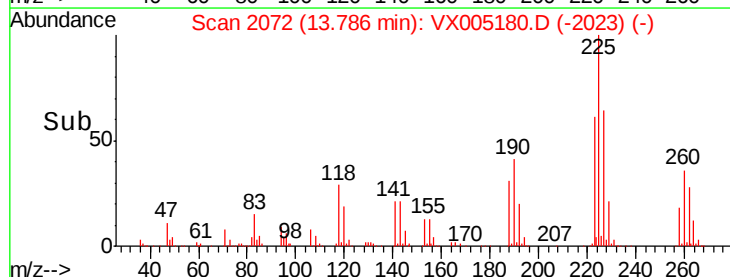
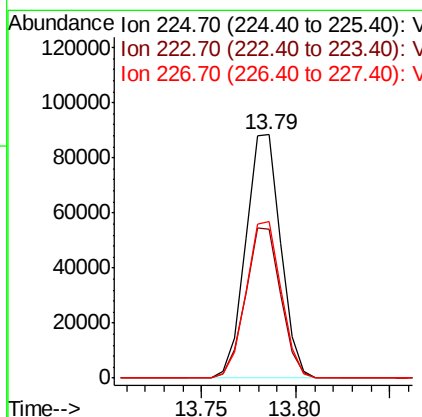
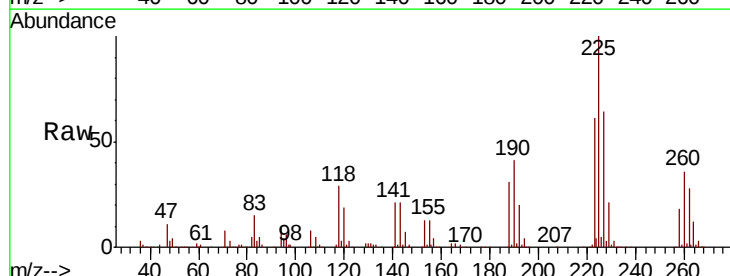
Manual Integrations
 APPROVED

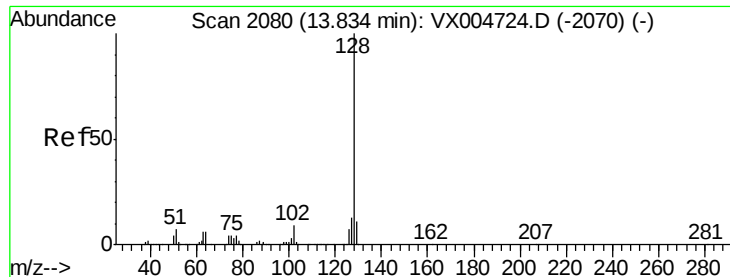
MMDadoda
 10/10/2018 2:08:16 PM



#94
 Hexachlorobutadiene
 Concen: 50.038 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005180.D
 Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113991		
223	62.3	31.3	93.8	
227	64.6	31.9	95.5	





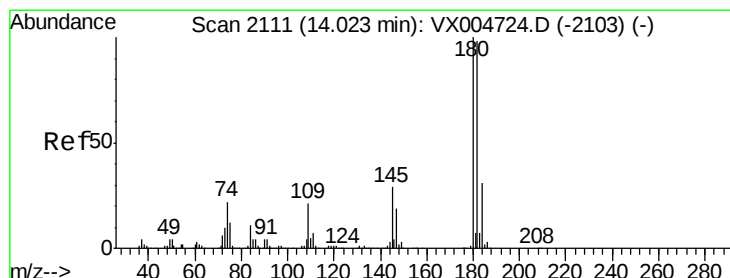
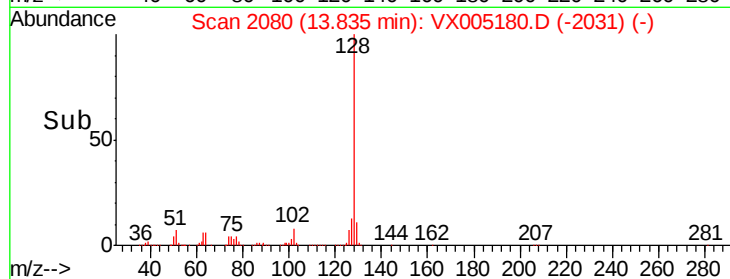
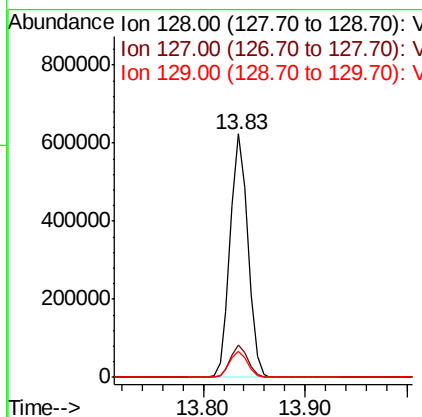
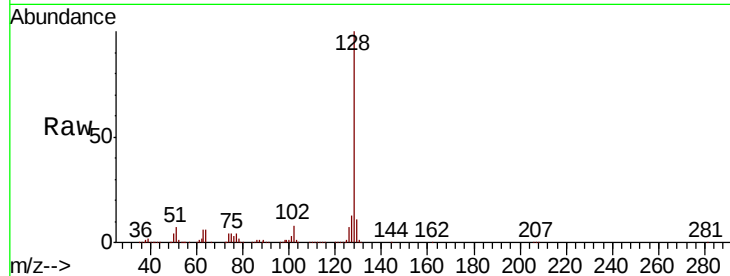
#95
Naphthalene
Concen: 51.186 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.828 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005180.D
Acq: 10 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.8
145	29.6	15.0	45.0

