

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
 Data File : VX005182.D
 Acq On : 10 Oct 2018 02:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 5:02:09 PM

Quant Time: Oct 10 08:12:22 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	194680	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	281575	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	275875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175393	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	136939	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
35) Dibromofluoromethane	5.50	113	114197	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	8.72	98	409618	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	11.14	95	156756	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	157519	59.343	ug/l	96
3) Chloromethane	1.32	50	177235	55.035	ug/l	99
4) Vinyl Chloride	1.40	62	171863	56.900	ug/l	99
5) Bromomethane	1.64	94	99910	55.781	ug/l	95
6) Chloroethane	1.71	64	100788	61.778	ug/l	97
7) Trichlorofluoromethane	1.92	101	224323	59.991	ug/l	86
8) Diethyl Ether	2.19	74	88477	54.466	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	121241	56.920	ug/l	98
10) Methyl Iodide	2.51	142	145979	51.216	ug/l	91
11) Tert butyl alcohol	3.09	59	217050	279.130	ug/l	99
12) 1,1-Dichloroethene	2.37	96	119069	56.446	ug/l	94
13) Acrolein	2.29	56	133497	241.293	ug/l	93
14) Allyl chloride	2.72	41	254643	55.326	ug/l	95
15) Acrylonitrile	3.15	53	491967	287.400	ug/l	97
16) Acetone	2.45	43	441958	272.208	ug/l	94
17) Carbon Disulfide	2.56	76	350205	55.250	ug/l	98
18) Methyl Acetate	2.78	43	247984	60.284	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	419545	57.660	ug/l	95
20) Methylene Chloride	2.85	84	133904	56.838	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	124608	53.963	ug/l	82
22) Diisopropyl ether	3.88	45	440734	56.866	ug/l #	85
23) Vinyl Acetate	3.83	43	1952865	275.271	ug/l #	94
24) 1,1-Dichloroethane	3.69	63	245672	53.139	ug/l	99
25) 2-Butanone	4.70	43	632702	264.370	ug/l	93
26) 2,2-Dichloropropane	4.58	77	117279	36.429	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	132862	51.505	ug/l	97
28) Bromochloromethane	5.02	49	100625	46.220	ug/l	97
29) Tetrahydrofuran	5.16	42	414033	278.344	ug/l	99
30) Chloroform	5.21	83	235244	53.840	ug/l	86
31) Cyclohexane	5.58	56	211544	59.785	ug/l #	80
32) 1,1,1-Trichloroethane	5.49	97	197007	55.210	ug/l	96
36) 1,1-Dichloropropene	5.79	75	166967	51.281	ug/l	96
37) Ethyl Acetate	4.86	43	226684	52.450	ug/l	97
38) Carbon Tetrachloride	5.78	117	181373	52.994	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100918\
 Data File : VX005182.D
 Acq On : 10 Oct 2018 02:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 5:02:09 PM

Quant Time: Oct 10 08:12:22 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	192316	57.846	ug/l #	85
40) Benzene	6.15	78	544876	53.455	ug/l	92
41) Methacrylonitrile	5.07	41	126216	52.660	ug/l	98
42) 1,2-Dichloroethane	6.20	62	187589	52.059	ug/l	96
43) Isopropyl Acetate	6.46	43	334787	53.669	ug/l	98
44) Trichloroethene	7.21	130	136165	54.339	ug/l	98
45) 1,2-Dichloropropane	7.52	63	134036	53.621	ug/l	98
46) Dibromomethane	7.66	93	88186	56.135	ug/l	100
47) Bromodichloromethane	7.90	83	169762	57.717	ug/l	97
48) Methyl methacrylate	7.78	41	172747	61.012	ug/l	98
49) 1,4-Dioxane	7.76	88	79292	1127.241	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1192866	303.703	ug/l	99
52) Toluene	8.79	92	318170	56.806	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	179925	54.133	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	194323	55.818	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	131368	53.544	ug/l	97
56) Ethyl methacrylate	9.18	69	206452	51.750	ug/l	98
57) 1,3-Dichloropropane	9.37	76	220760	54.064	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	523896	247.948	ug/l	100
59) 2-Hexanone	9.50	43	957802	292.632	ug/l	95
60) Dibromochloromethane	9.59	129	138895	56.608	ug/l	99
61) 1,2-Dibromoethane	9.68	107	139253	52.998	ug/l	96
64) Tetrachloroethene	9.34	164	141605	52.153	ug/l	96
65) Chlorobenzene	10.14	112	356625	50.412	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	131190	52.750	ug/l	99
67) Ethyl Benzene	10.26	91	612002	54.491	ug/l	96
68) m/p-Xylenes	10.36	106	477147	108.718	ug/l	94
69) o-Xylene	10.70	106	229046	56.819	ug/l	100
70) Styrene	10.71	104	389128	51.543	ug/l	99
71) Bromoform	10.86	173	115755	54.366	ug/l	97
73) Isopropylbenzene	11.02	105	625314	56.563	ug/l	100
74) N-amyl acetate	10.90	43	301049	49.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	220748	49.053	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	202944m	51.624	ug/l	
77) Bromobenzene	11.26	156	166436	51.832	ug/l	100
78) n-propylbenzene	11.36	91	722554	56.963	ug/l	99
79) 2-Chlorotoluene	11.42	91	428301	54.170	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	535890	52.899	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	56910	39.901	ug/l	99
82) 4-Chlorotoluene	11.51	91	506544	54.430	ug/l	100
83) tert-Butylbenzene	11.77	119	523064	57.466	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	551236	52.764	ug/l	99
85) sec-Butylbenzene	11.94	105	634601	57.240	ug/l	100
86) p-Isopropyltoluene	12.07	119	571578	56.904	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	309518	51.621	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	314990	50.890	ug/l	100
89) n-Butylbenzene	12.39	91	499754	54.783	ug/l	99
90) Hexachloroethane	12.60	117	92531	55.328	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	319570	51.000	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	54722	55.381	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
Data File : VX005182.D
Acq On : 10 Oct 2018 02:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

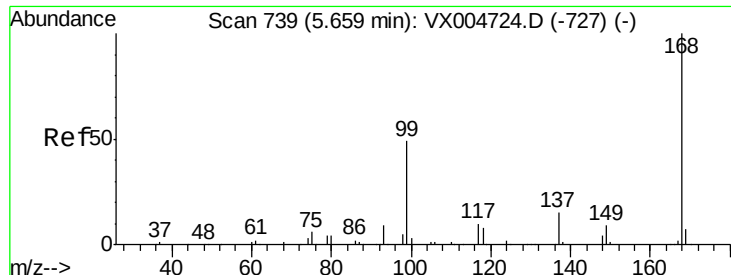
Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM

Quant Time: Oct 10 08:12:22 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	236848	53.883	ug/l	100
94) Hexachlorobutadiene	13.79	225	115779	50.795	ug/l	99
95) Naphthalene	13.83	128	755571	51.764	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	244692	53.889	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 194680

Ion Ratio Lower Upper

168 100

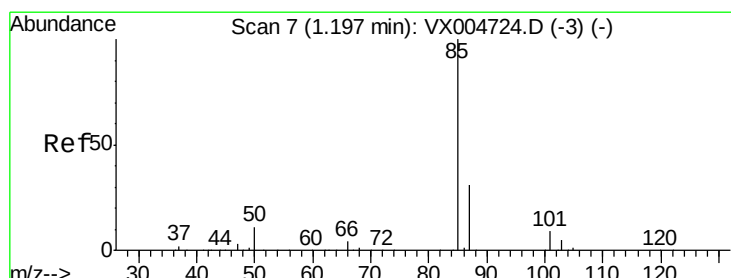
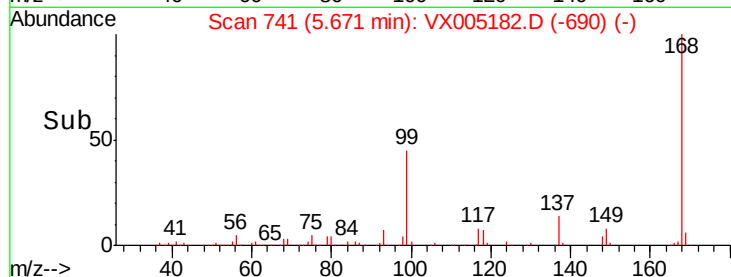
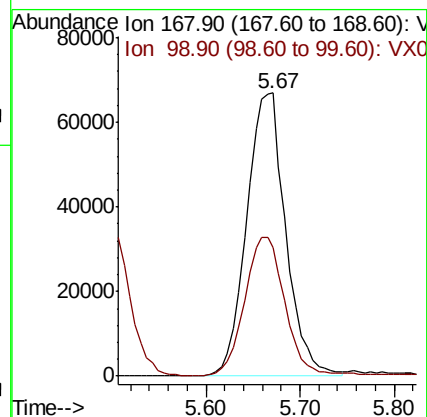
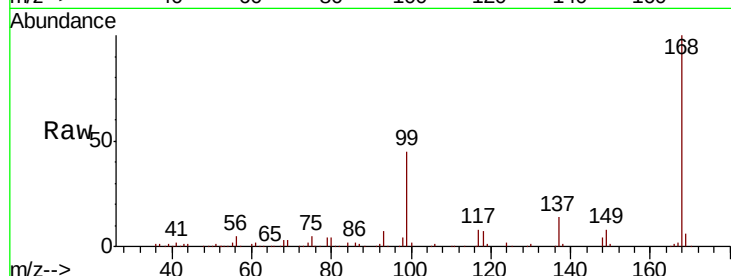
99 45.3 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:02:09 PM



#2

Dichlorodifluoromethane

Concen: 59.343 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005182.D

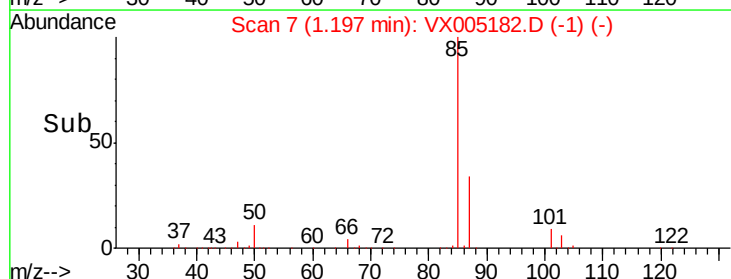
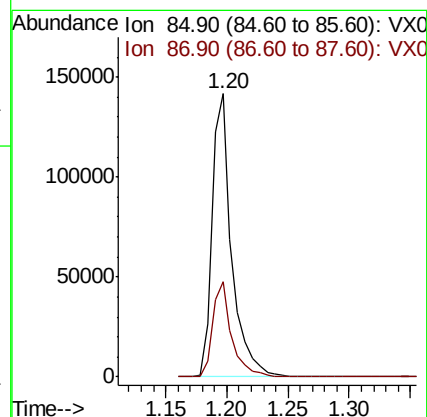
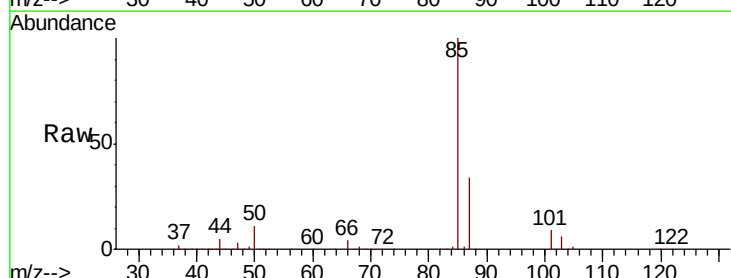
Acq: 10 Oct 2018 02:04

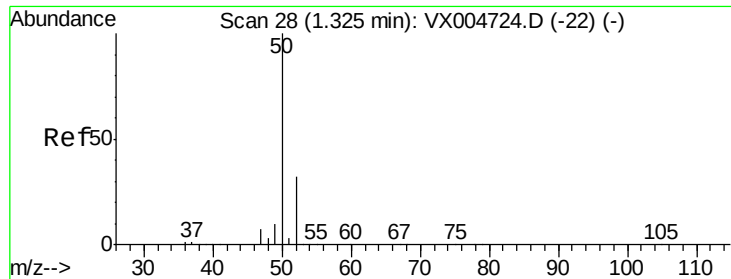
Tgt Ion: 85 Resp: 157519

Ion Ratio Lower Upper

85 100

87 33.7 15.7 47.1





#3

Chloromethane

Concen: 55.035 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 177235

Ion Ratio Lower Upper

50 100

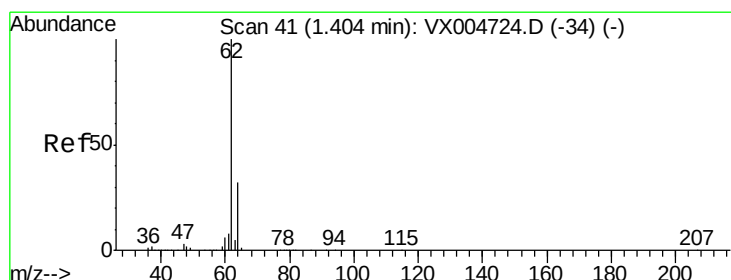
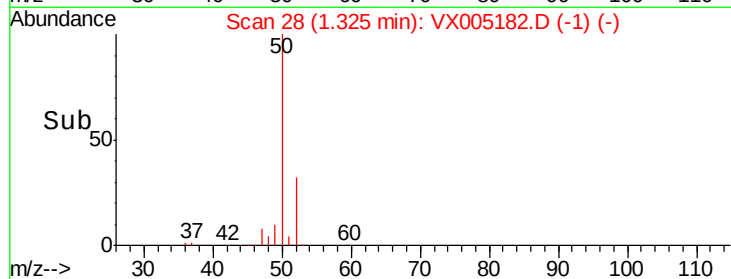
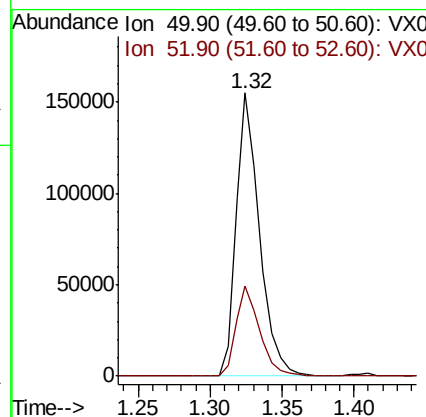
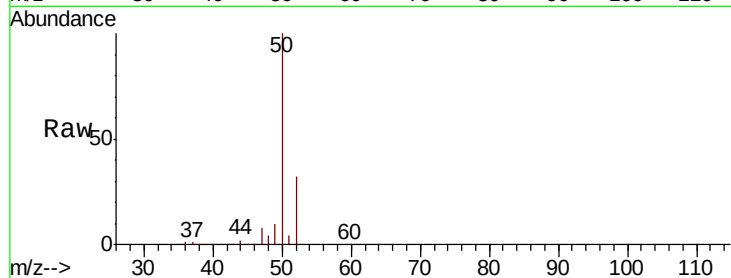
52 31.8 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:02:09 PM



#4

Vinyl Chloride

Concen: 56.900 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005182.D

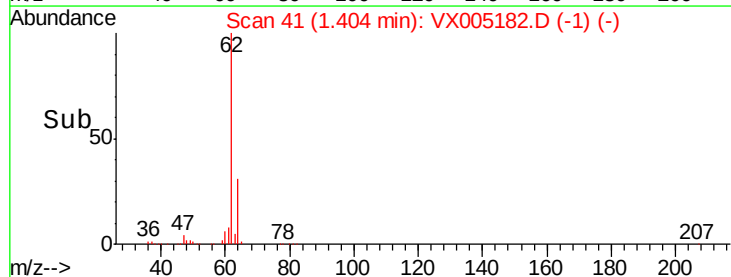
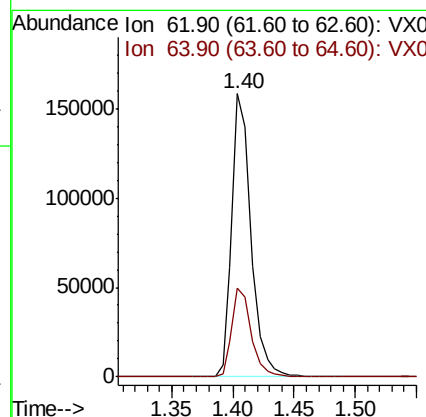
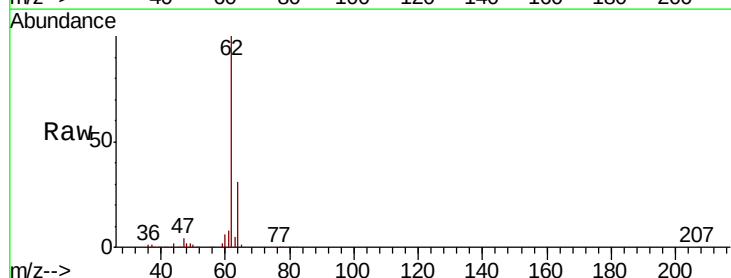
Acq: 10 Oct 2018 02:04

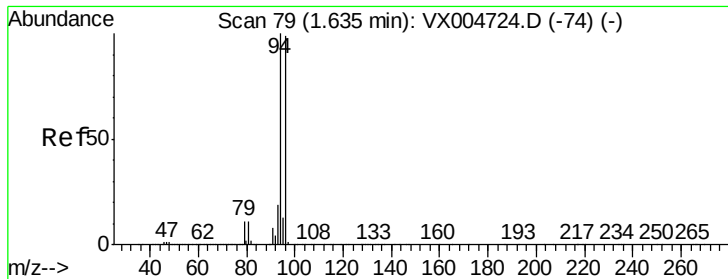
Tgt Ion: 62 Resp: 171863

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 55.781 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 99910

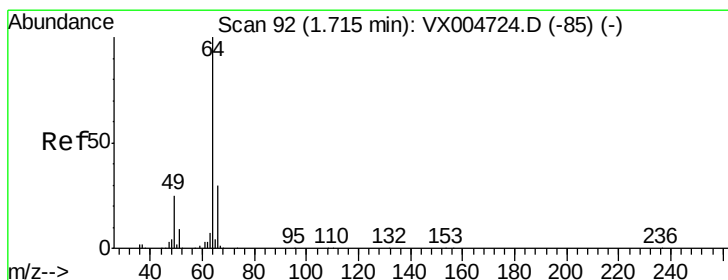
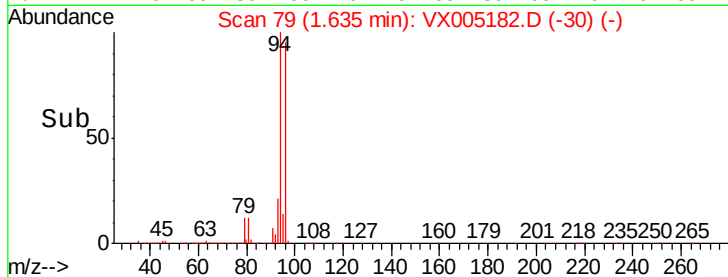
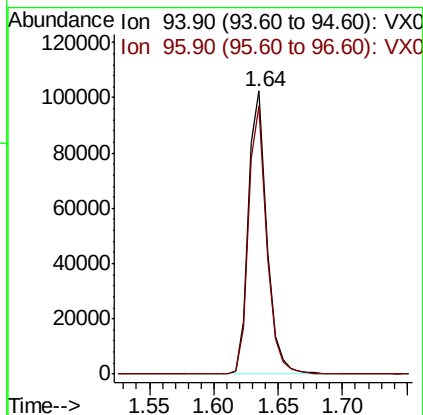
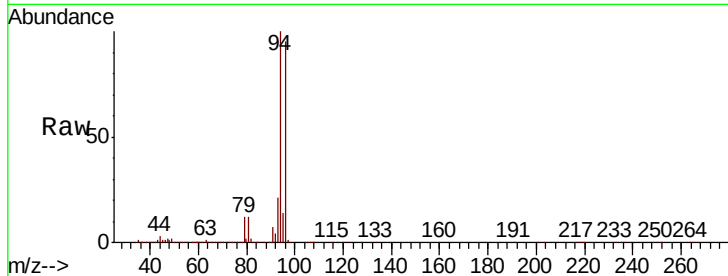
Ion Ratio Lower Upper

94 100

96 94.6 79.5 119.3

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM



#6

Chloroethane

Concen: 61.778 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005182.D

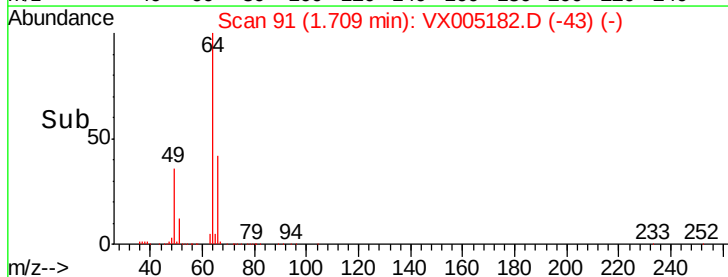
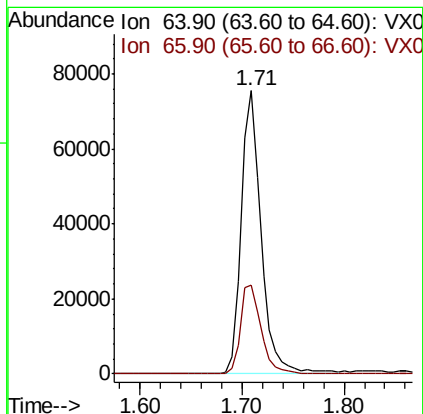
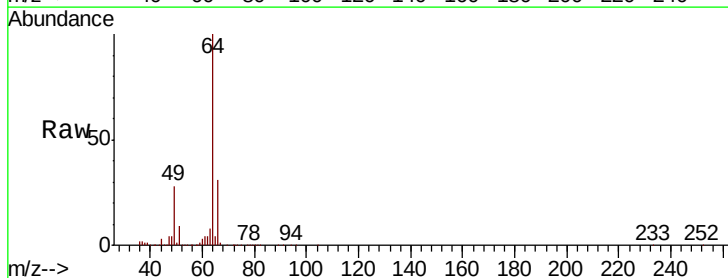
Acq: 10 Oct 2018 02:04

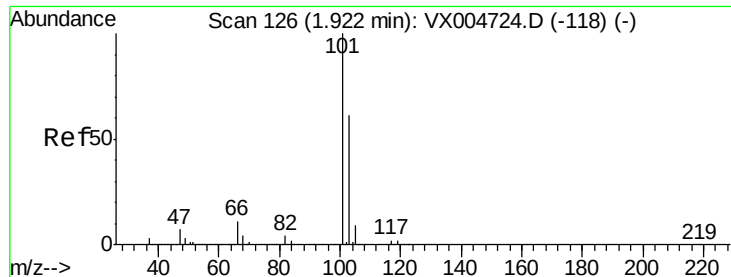
Tgt Ion: 64 Resp: 100788

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.6





#7

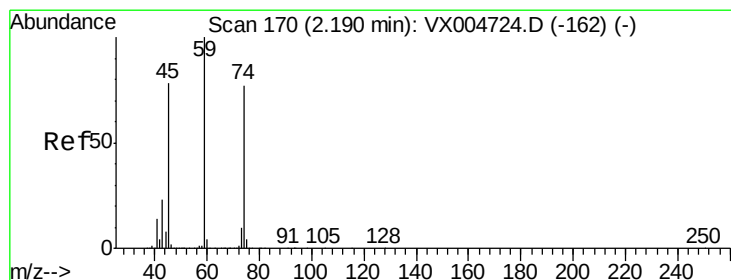
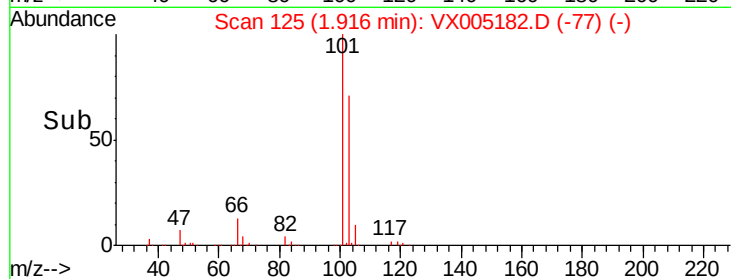
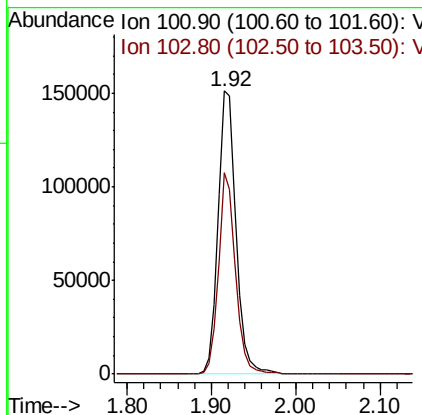
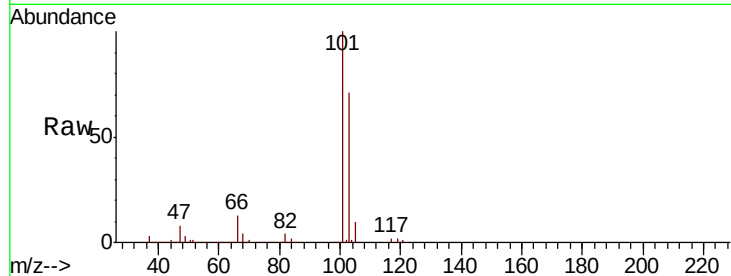
Trichlorofluoromethane
Concen: 59.991 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	71.1	48.4	72.6

Manual Integrations
APPROVED

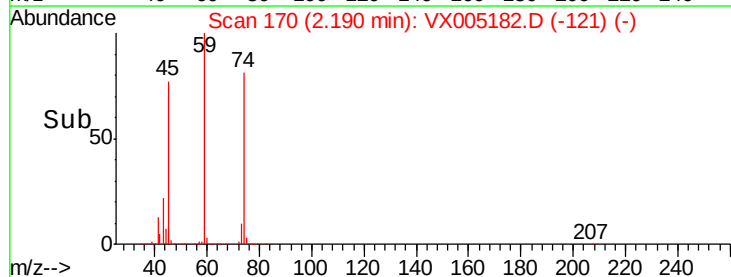
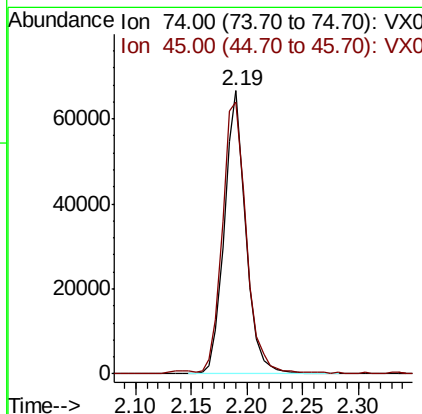
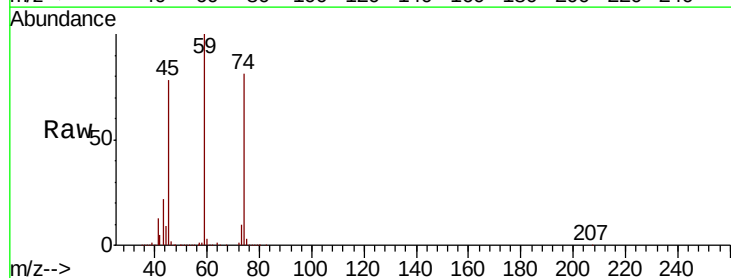
MMDadoda
10/11/2018 5:02:09 PM

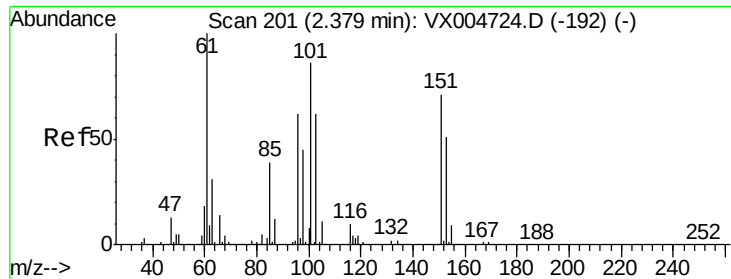


#8

Diethyl Ether
Concen: 54.466 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.7	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.920 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

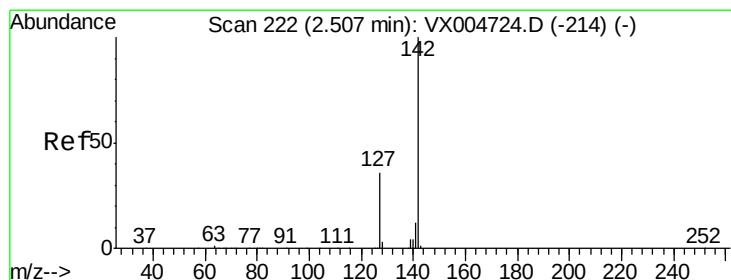
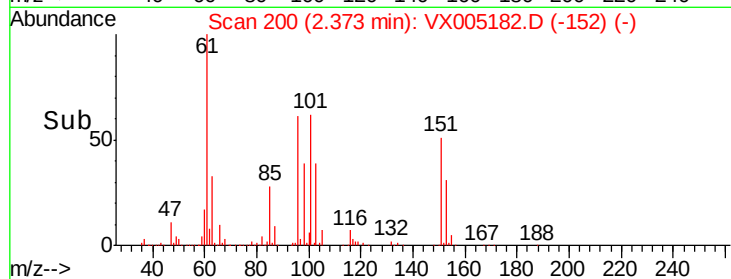
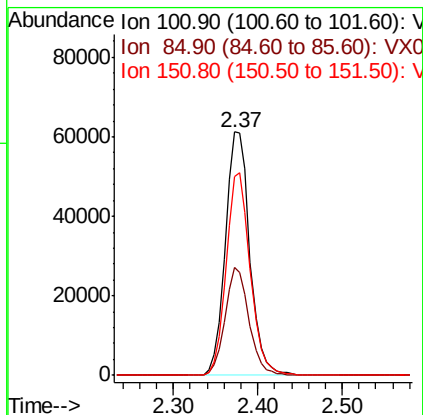
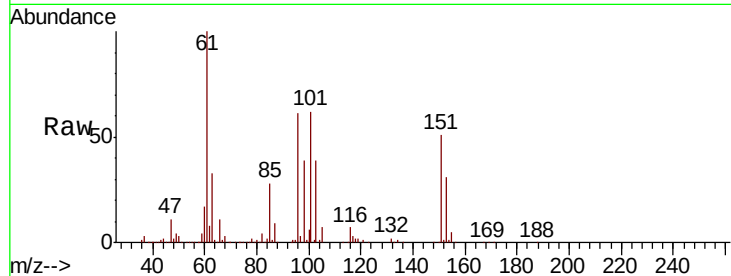
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	121241
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.9	53.9
151	81.8	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM



#10

Methyl Iodide

Concen: 51.216 ug/l

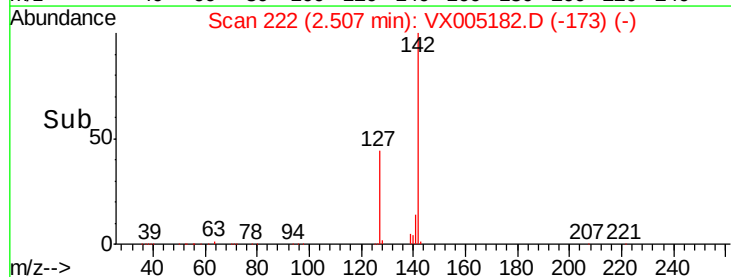
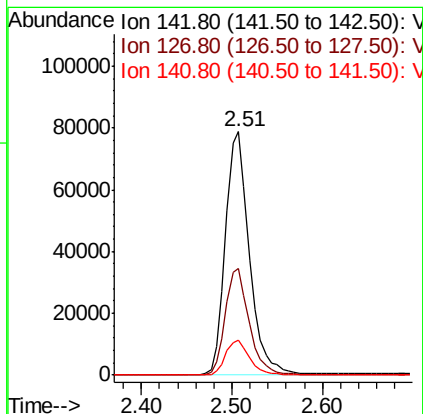
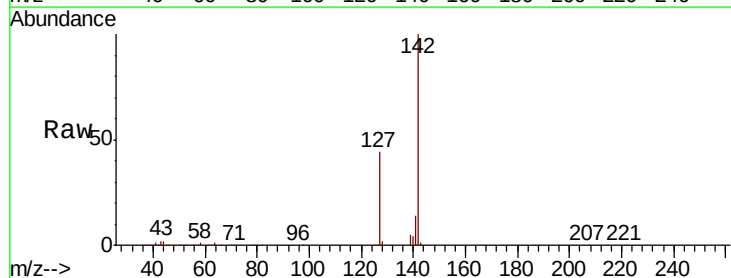
RT: 2.51 min Scan# 222

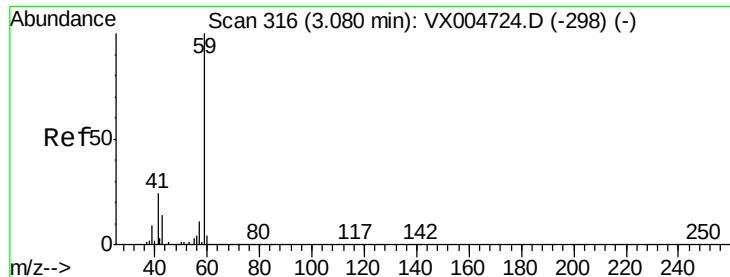
Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion:	142	Resp:	145979
Ion Ratio	Lower	Upper	
142	100		
127	43.7	30.1	45.1
141	14.2	10.1	15.1





#11

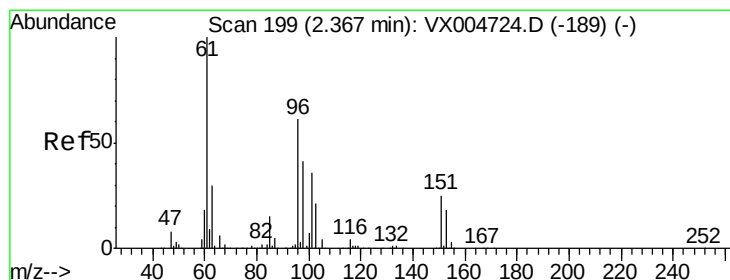
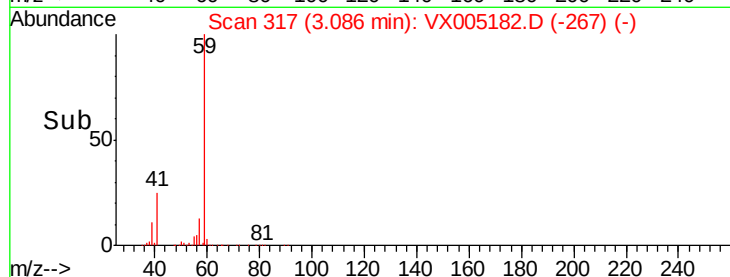
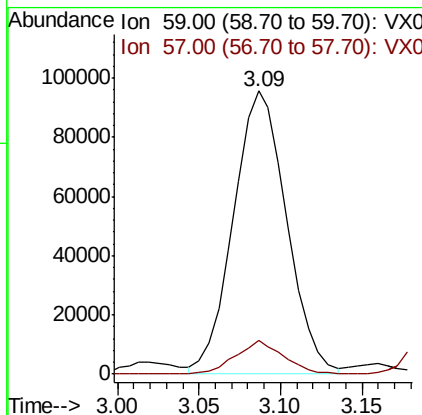
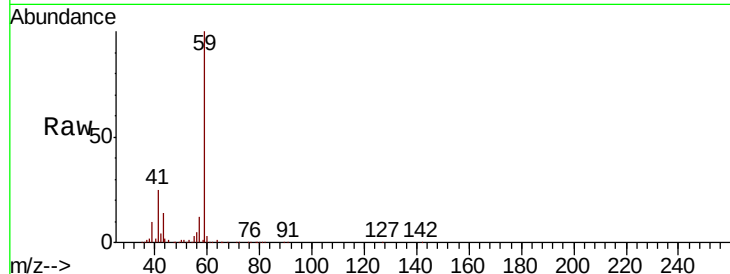
Tert butyl alcohol
Concen: 279.130 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

Manual Integrations
APPROVED

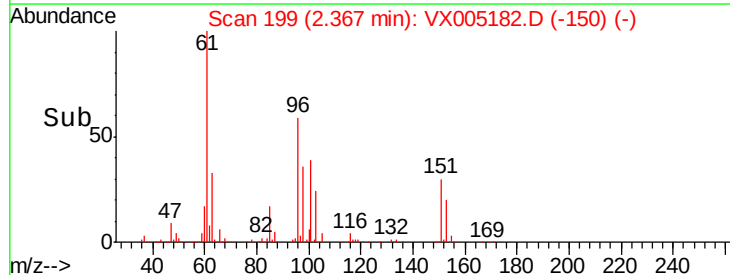
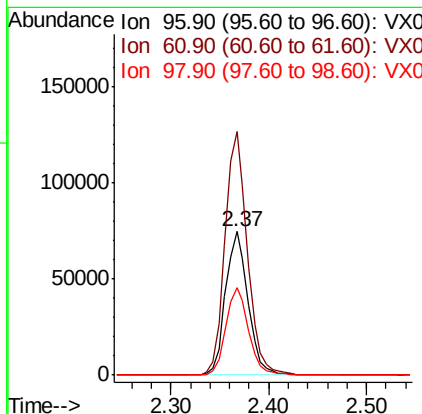
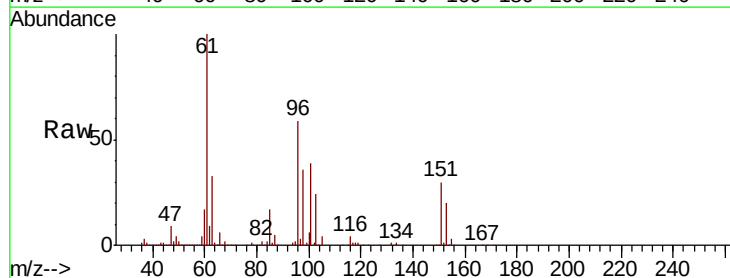
MMDadoda
10/11/2018 5:02:09 PM

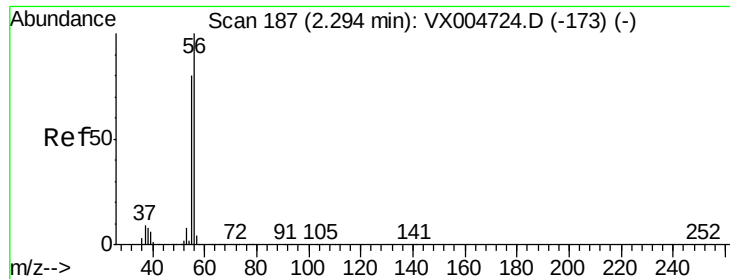


#12

1,1-Dichloroethene
Concen: 56.446 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.8	130.2	195.4
98	60.7	53.4	80.0





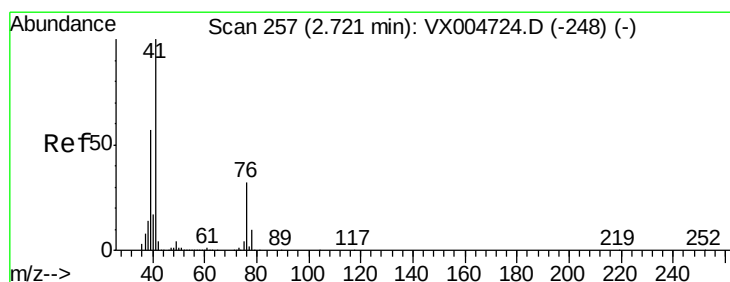
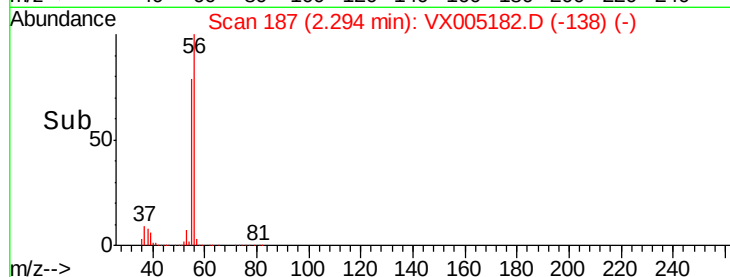
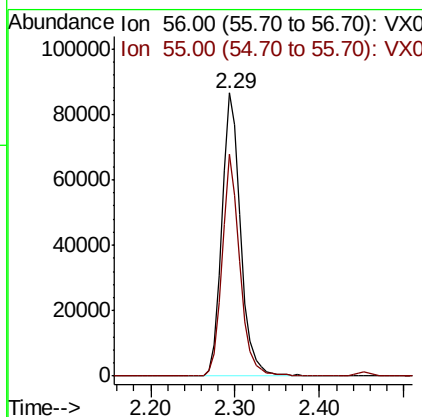
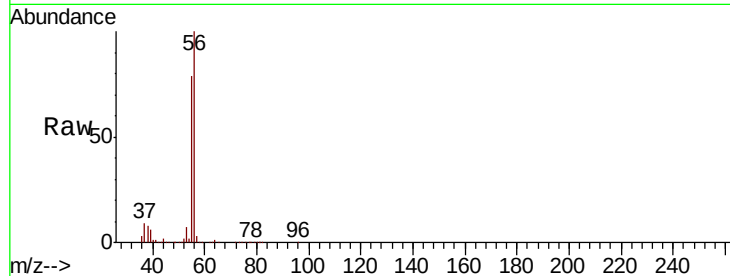
#13
Acrolein
Concen: 241.293 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.5	63.4	95.2

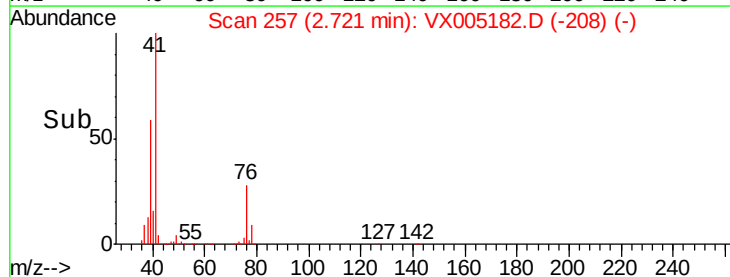
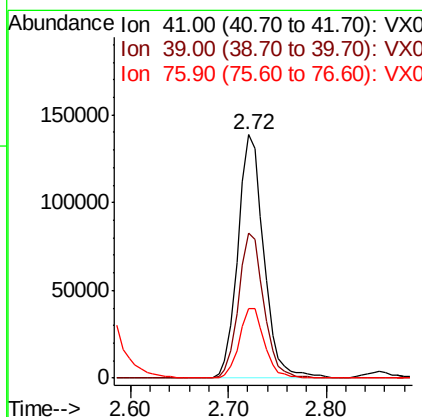
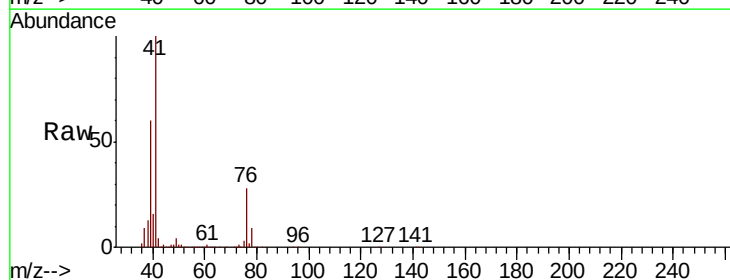
Manual Integrations
APPROVED

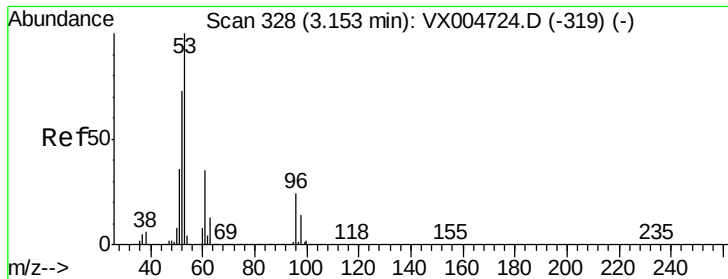
MMDadoda
10/11/2018 5:02:09 PM



#14
Allyl chloride
Concen: 55.326 ug/l
RT: 2.72 min Scan# 257
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.2	44.1	66.1
76	27.8	25.0	37.4





#15

Acrylonitrile

Concen: 287.400 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

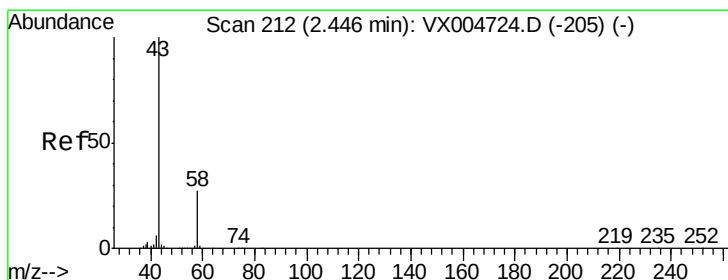
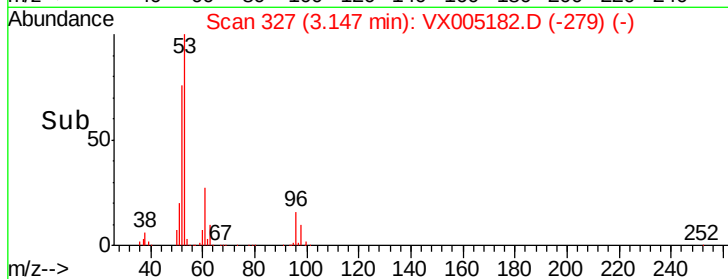
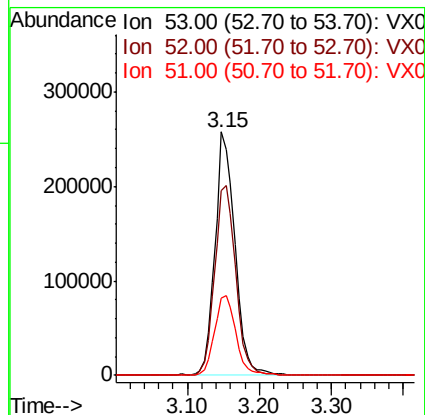
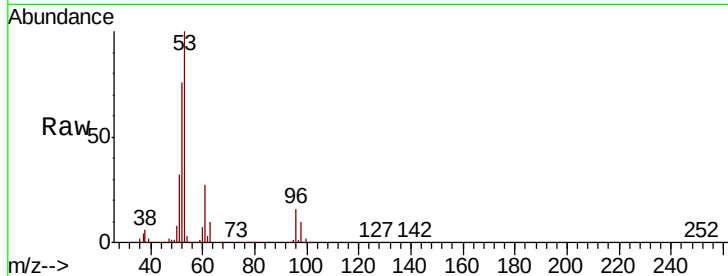
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	491967
Ion Ratio		Lower	Upper
53	100		
52	82.0	63.0	94.4
51	35.2	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM



#16

Acetone

Concen: 272.208 ug/l

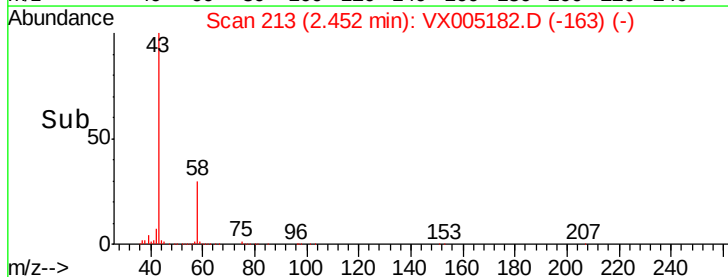
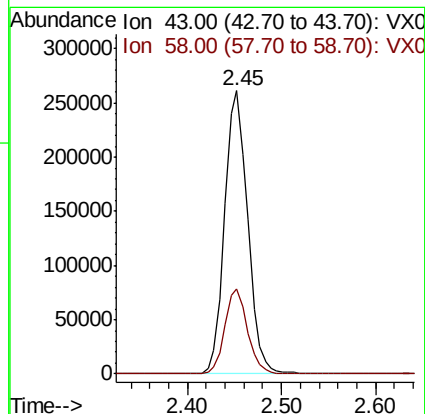
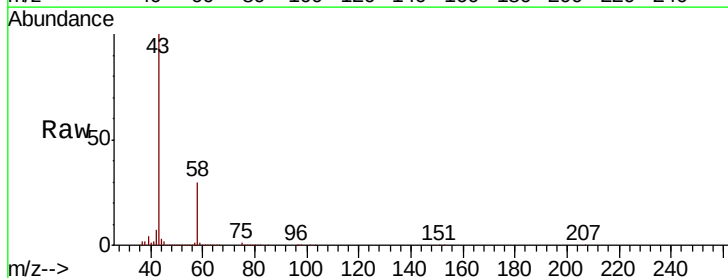
RT: 2.45 min Scan# 213

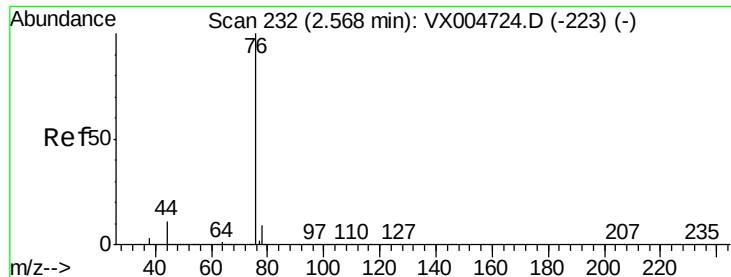
Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion:	43	Resp:	441958
Ion Ratio		Lower	Upper
43	100		
58	30.2	21.8	32.6





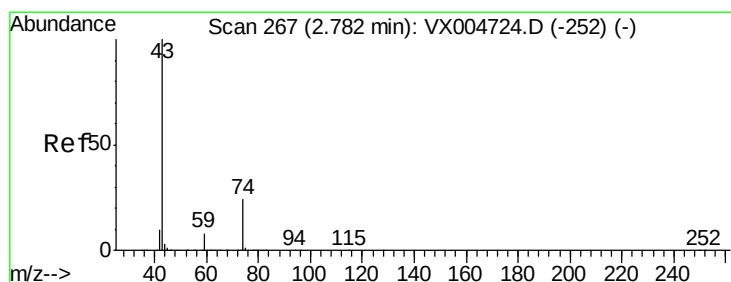
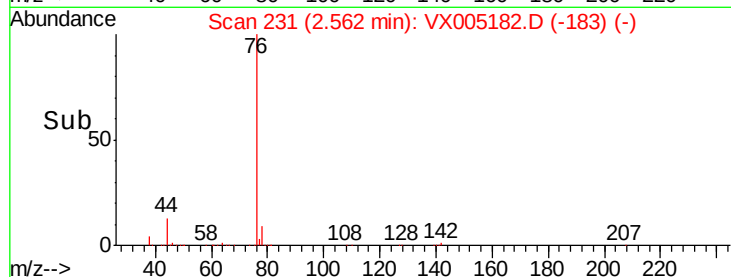
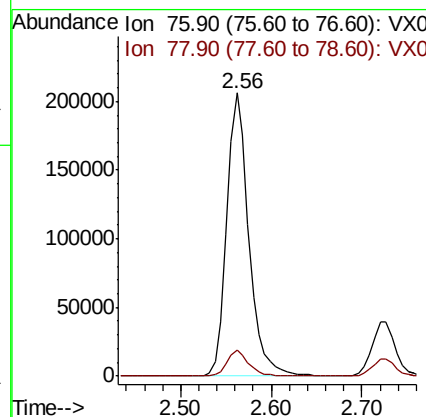
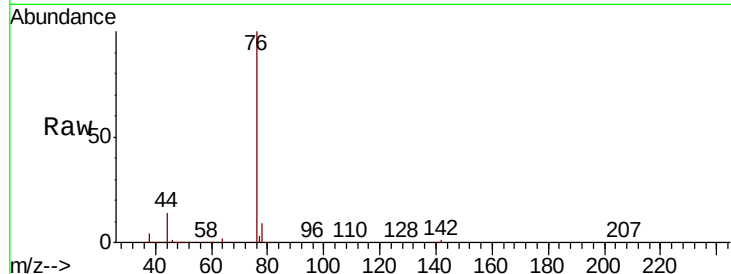
#17
Carbon Disulfide
Concen: 55.250 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

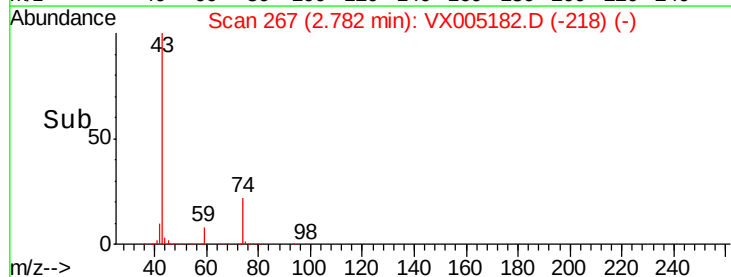
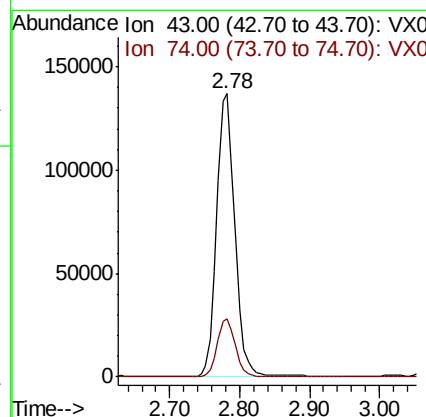
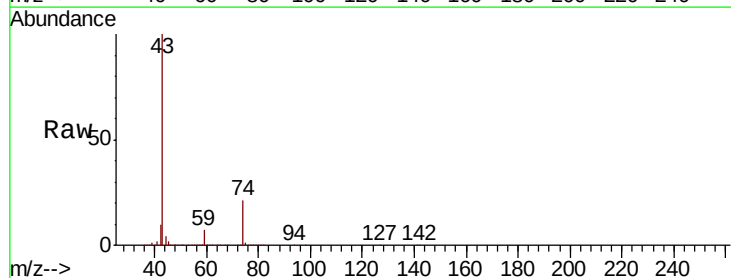
Manual Integrations
APPROVED

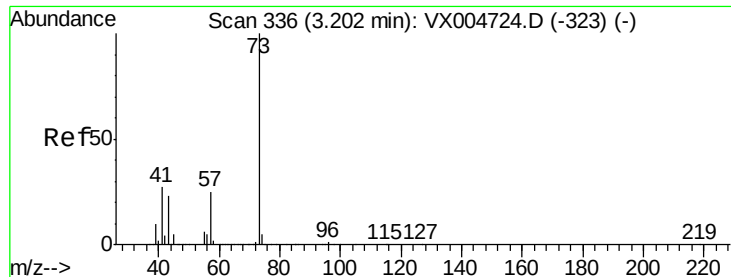
MMDadoda
10/11/2018 5:02:09 PM



#18
Methyl Acetate
Concen: 60.284 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	17.8	26.8





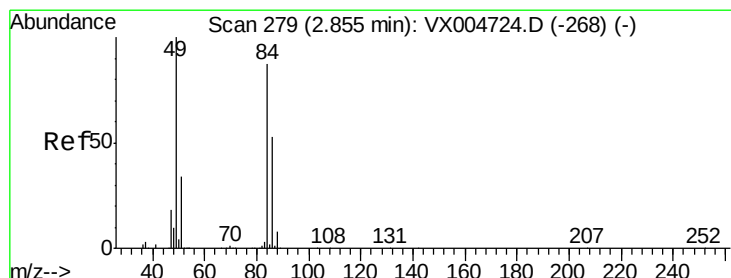
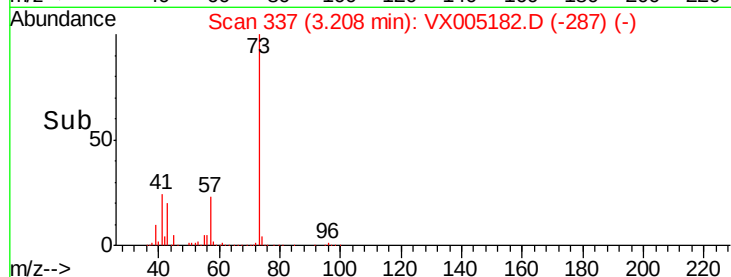
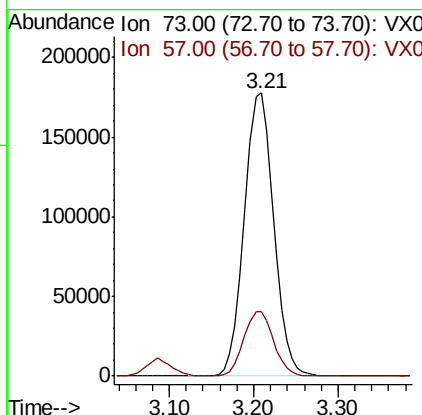
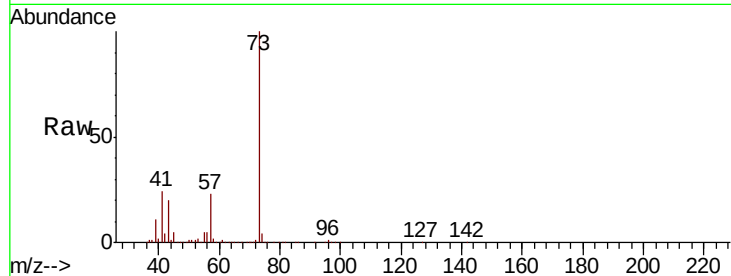
#19
Methyl tert-butyl Ether
Concen: 57.660 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	19.9	29.9

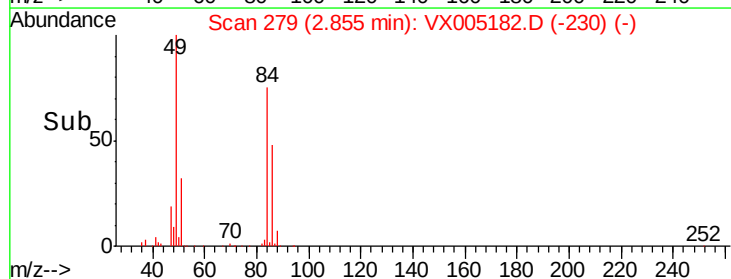
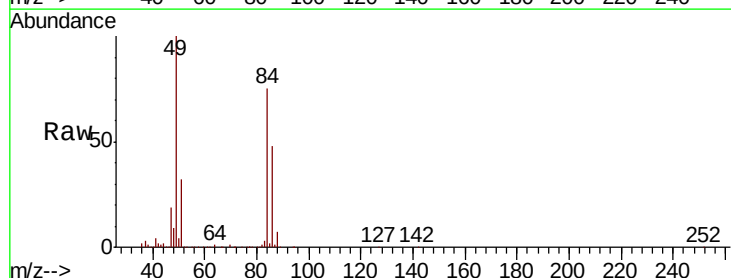
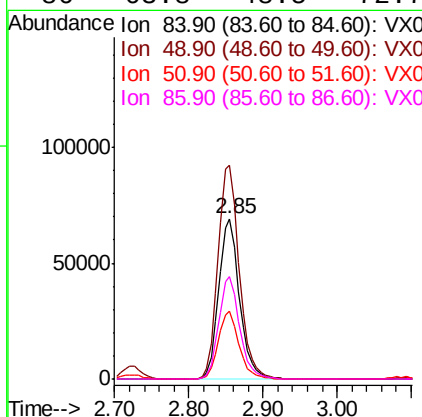
Manual Integrations
APPROVED

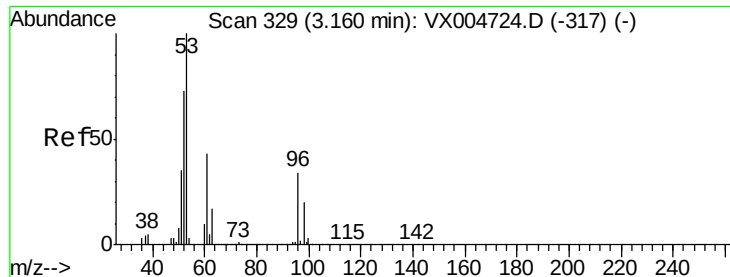
MMDadoda
10/11/2018 5:02:09 PM



#20
Methylene Chloride
Concen: 56.838 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.3	92.3	138.5
51	42.0	31.8	47.6
86	63.8	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 53.963 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 124608

Ion Ratio Lower Upper

96 100

61 151.6 101.0 151.6

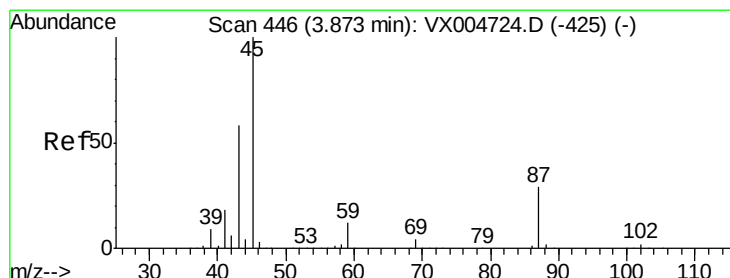
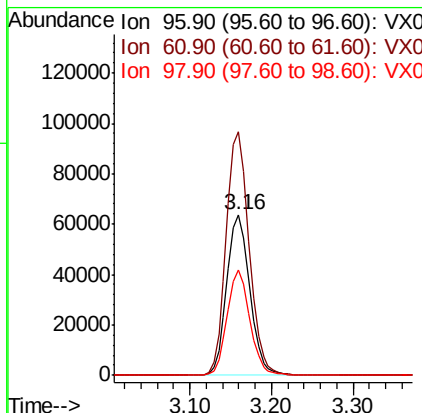
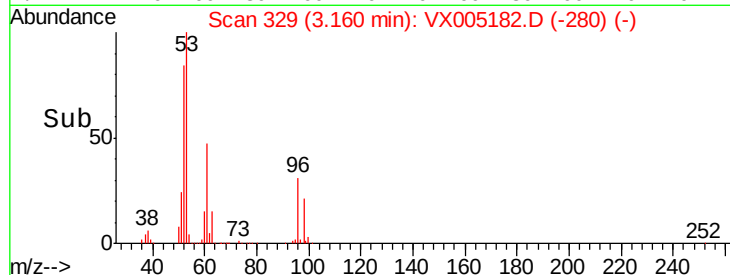
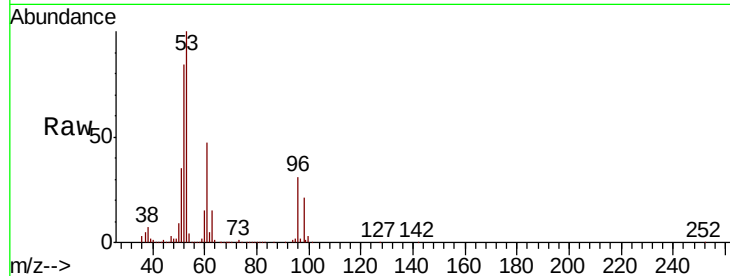
98 66.0 47.2 70.8

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:02:09 PM



#22

Diisopropyl ether

Concen: 56.866 ug/l

RT: 3.88 min Scan# 447

Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion: 45 Resp: 440734

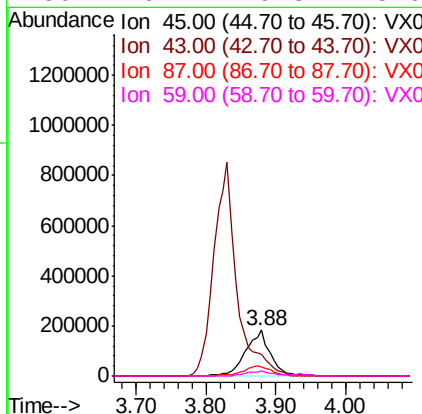
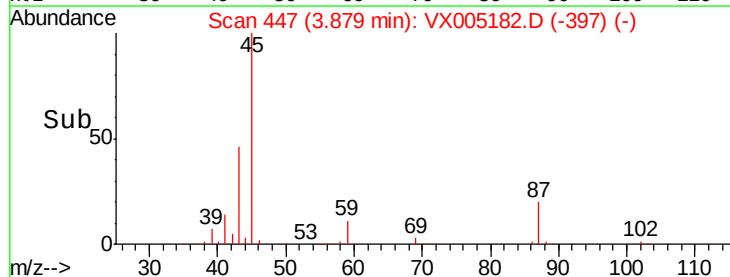
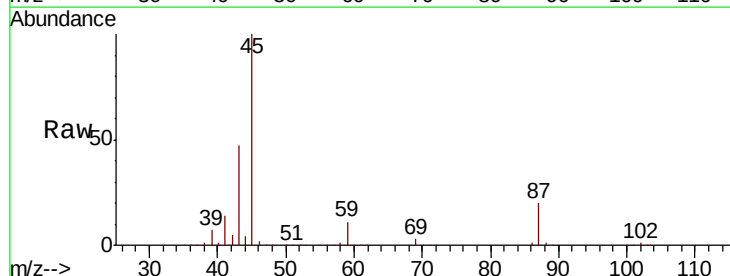
Ion Ratio Lower Upper

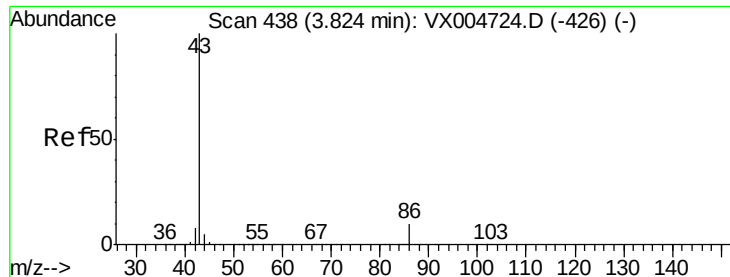
45 100

43 45.9 46.7 70.1#

87 20.1 22.9 34.3#

59 10.7 9.3 13.9





#23

Vinyl Acetate

Concen: 275.271 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1952865

Ion Ratio Lower Upper

43 100

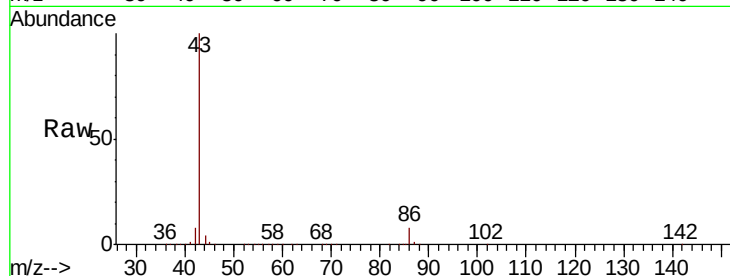
86 7.8 8.1 12.1#

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:02:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

800000

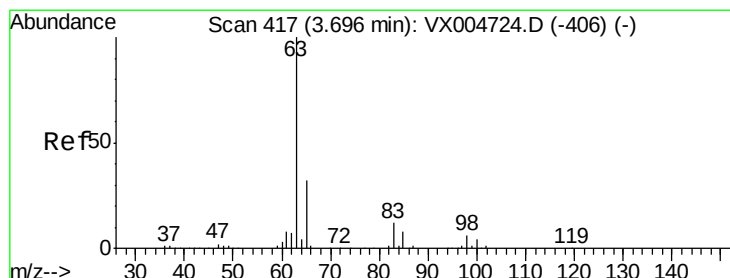
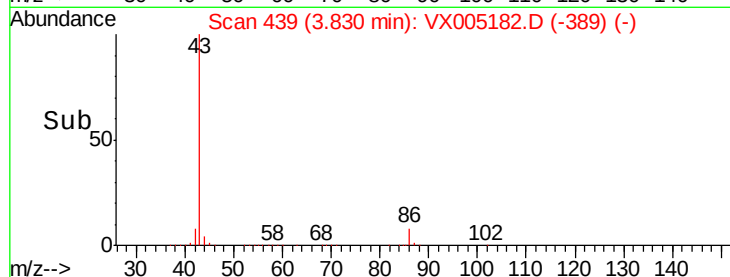
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.139 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

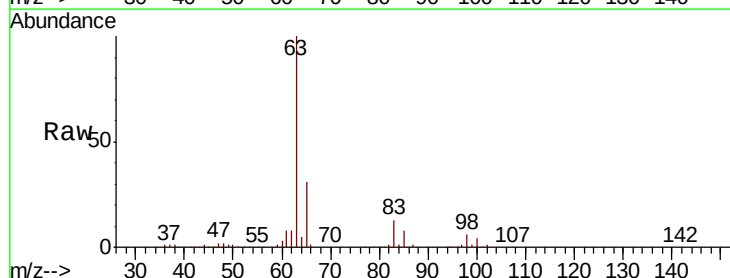
Tgt Ion: 63 Resp: 245672

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.3 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

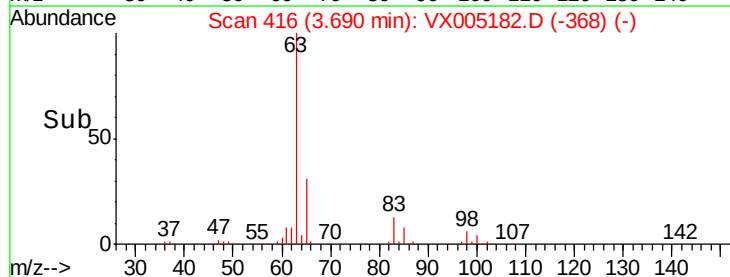
3.69

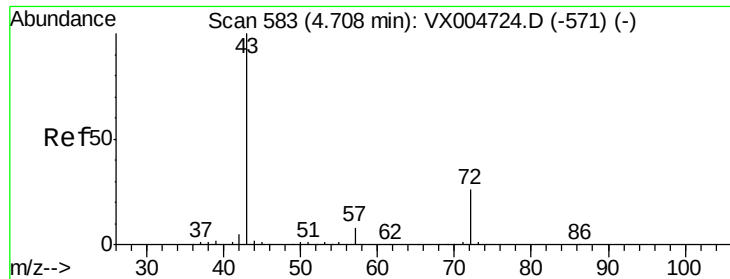
100000

50000

0

Time-->





#25

2-Butanone

Concen: 264.370 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 632702

Ion Ratio Lower Upper

43 100

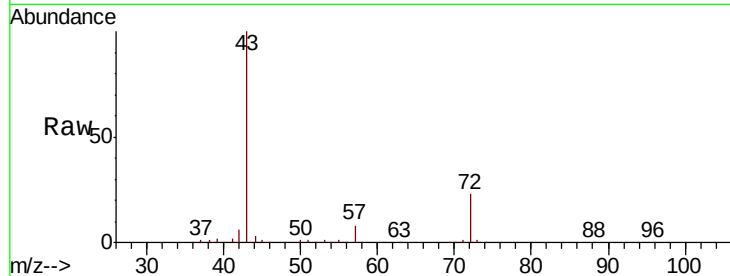
72 22.6 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:02:09 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

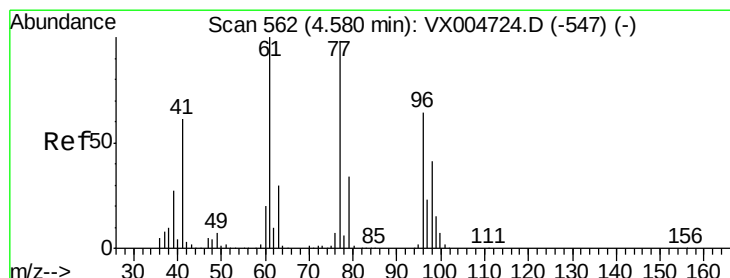
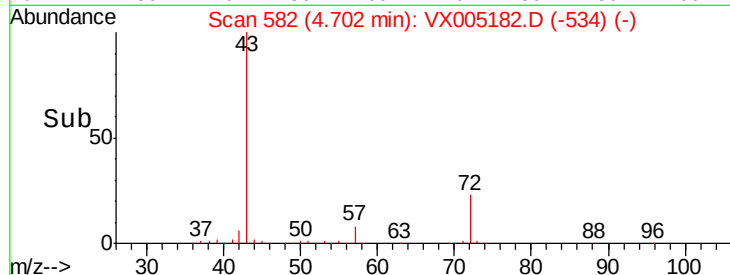
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 36.429 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005182.D

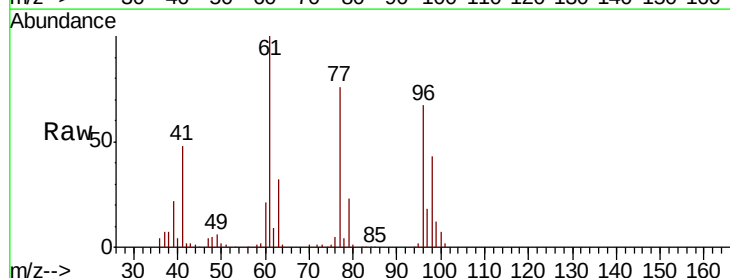
Acq: 10 Oct 2018 02:04

Tgt Ion: 77 Resp: 117279

Ion Ratio Lower Upper

77 100

97 25.1 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

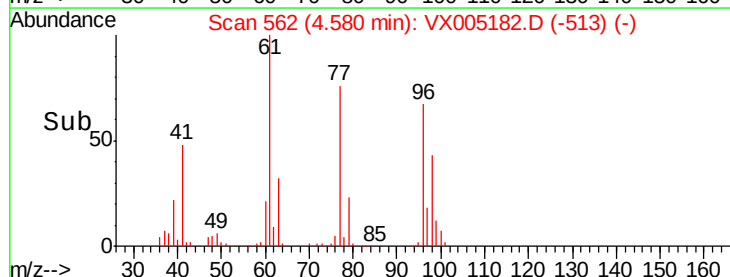
4.40

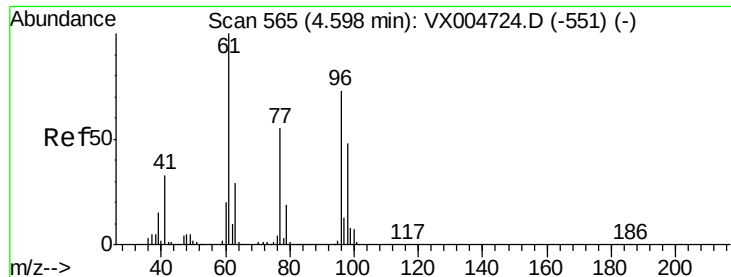
4.50

4.60

4.70

Time-->





#27

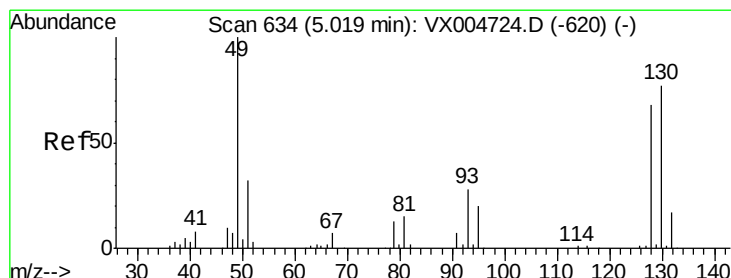
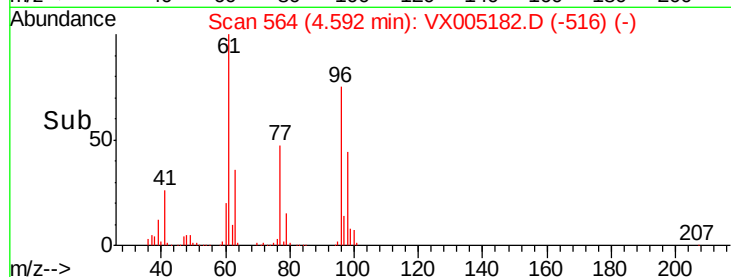
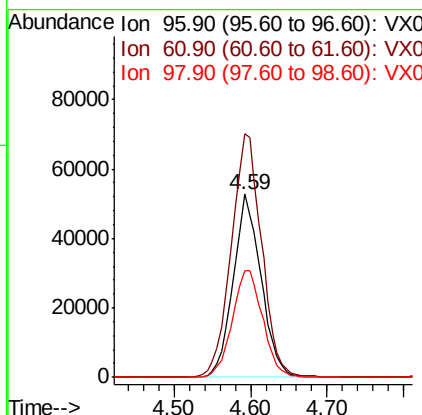
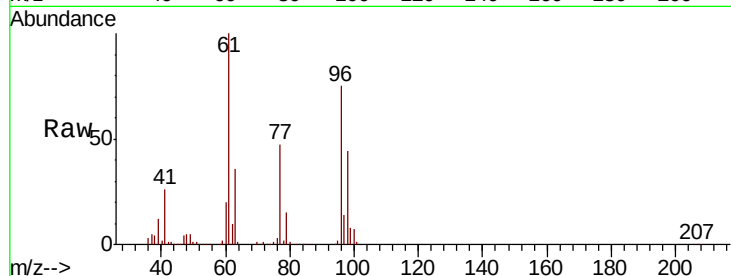
cis-1,2-Dichloroethene
Concen: 51.505 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	285.8
98	63.9	0.0	136.2

Manual Integrations
APPROVED

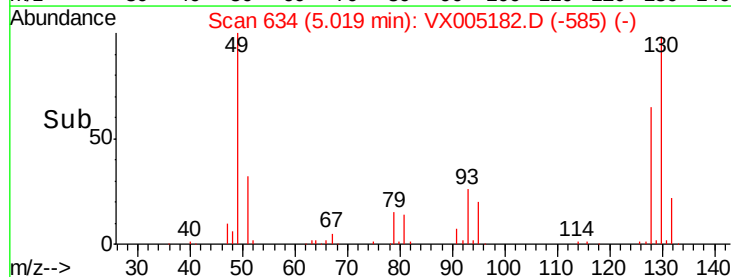
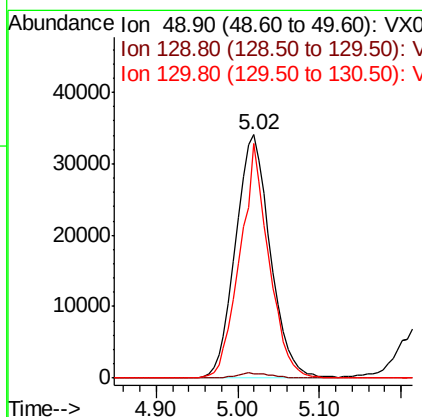
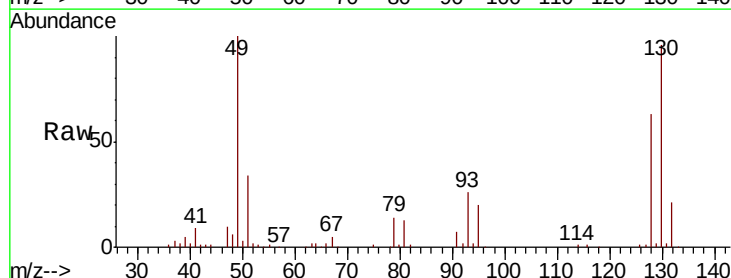
MMDadoda
10/11/2018 5:02:09 PM

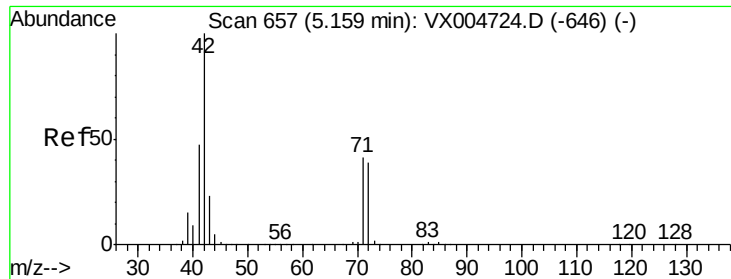


#28

Bromochloromethane
Concen: 46.220 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	80.2	62.0	93.0





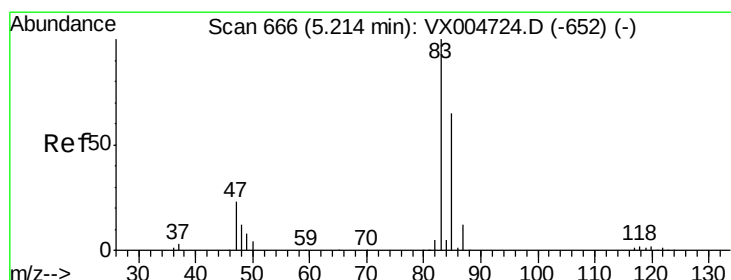
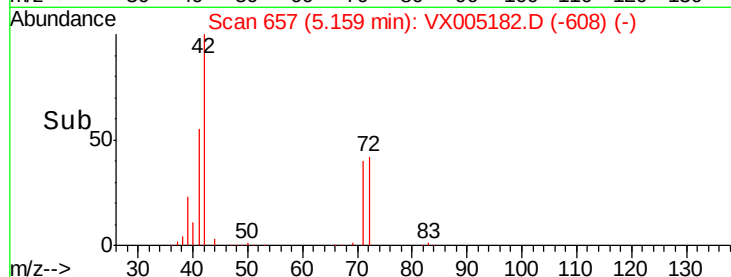
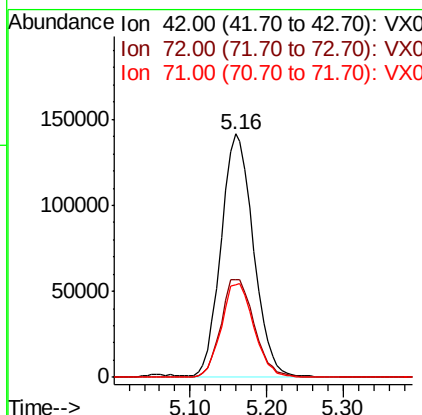
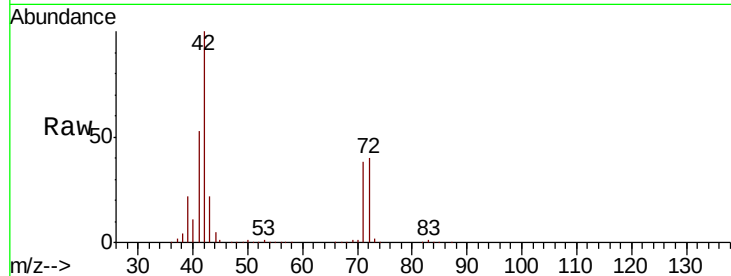
#29
Tetrahydrofuran
Concen: 278.344 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	39.0	32.2	48.4

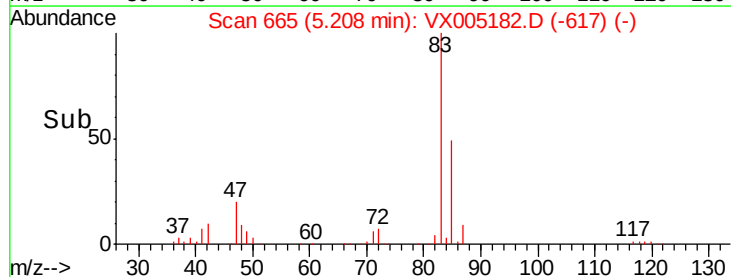
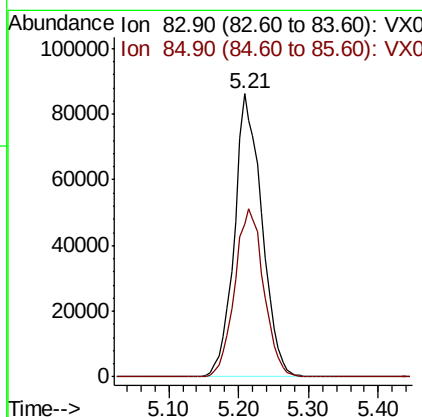
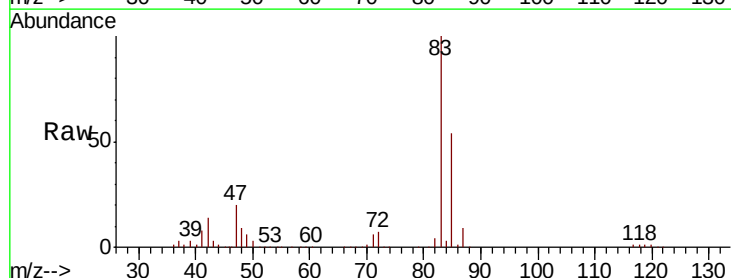
Manual Integrations
APPROVED

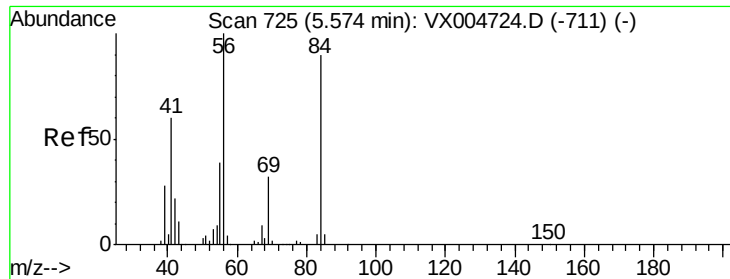
MMDadoda
10/11/2018 5:02:09 PM



#30
Chloroform
Concen: 53.840 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.2	52.4	78.6





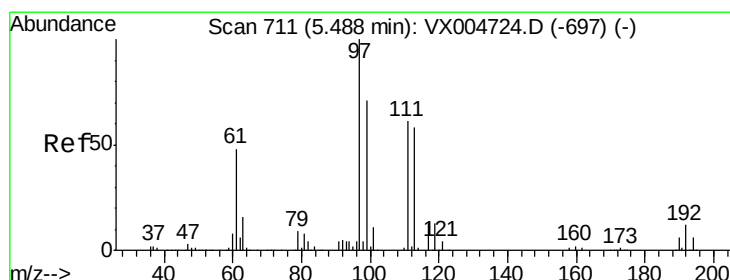
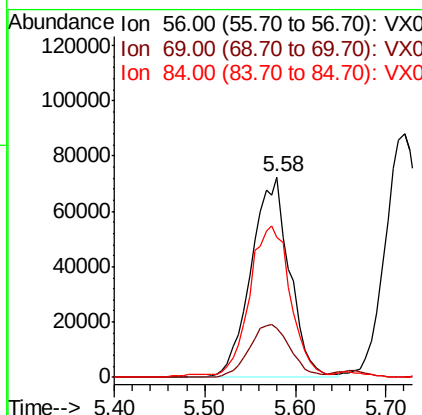
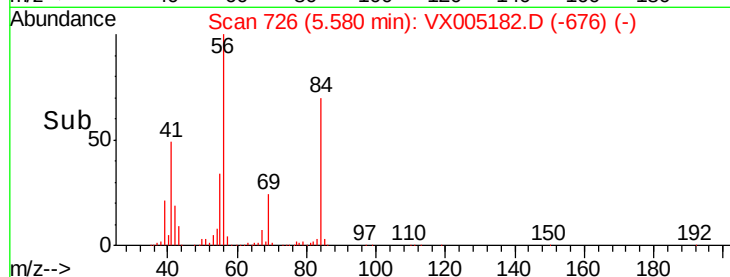
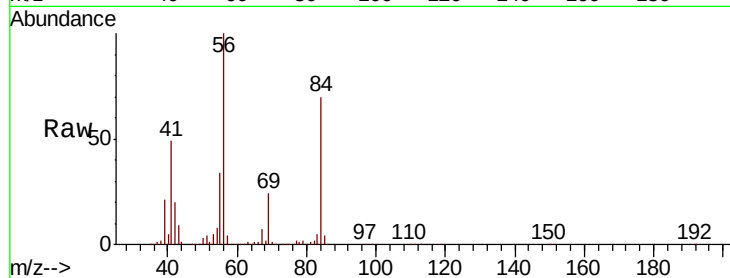
#31
Cyclohexane
Concen: 59.785 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	24.3	25.9	38.9#
84	68.6	71.9	107.9#

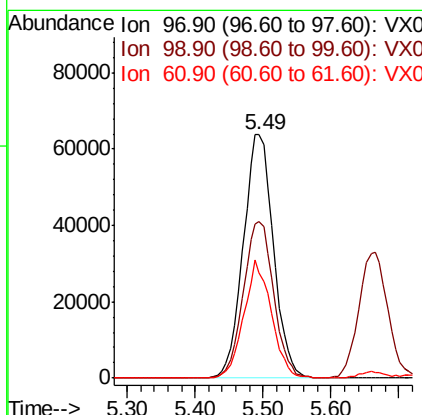
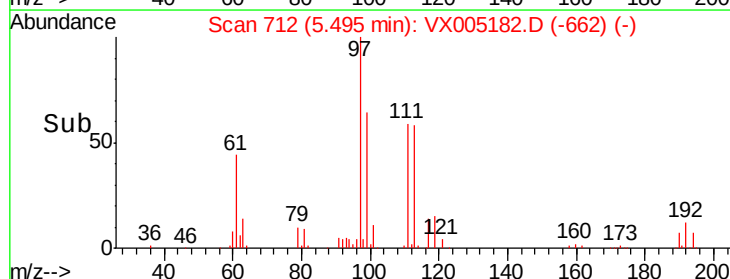
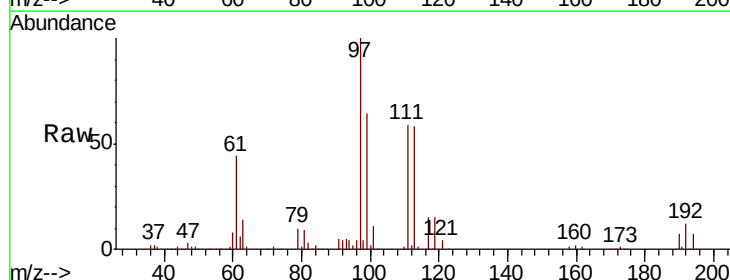
Manual Integrations
APPROVED

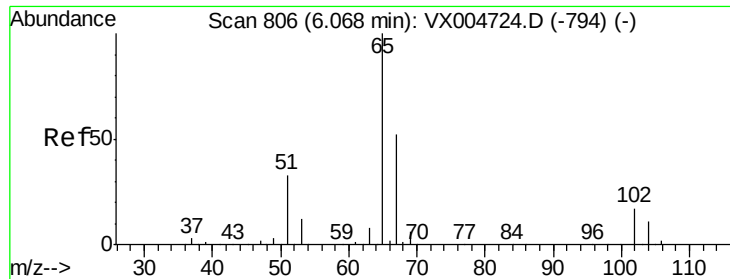
MMDadoda
10/11/2018 5:02:09 PM



#32
1,1,1-Trichloroethane
Concen: 55.210 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	54.6	82.0
61	44.5	37.5	56.3





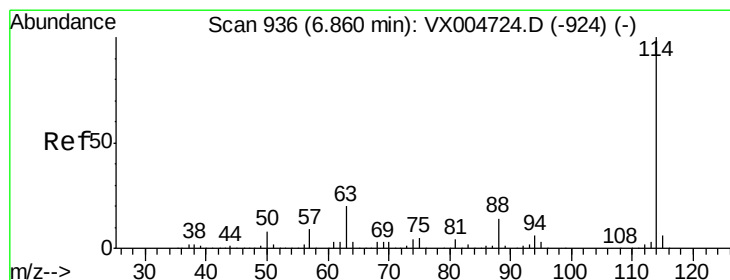
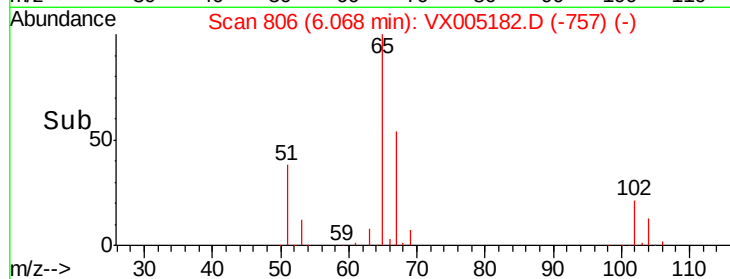
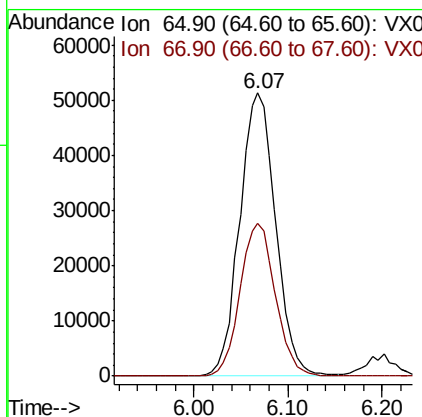
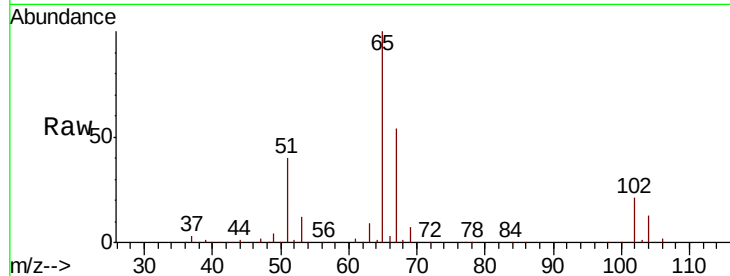
#33
 1,2-Dichloroethane-d4
 Concen: 49.241 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	107.4

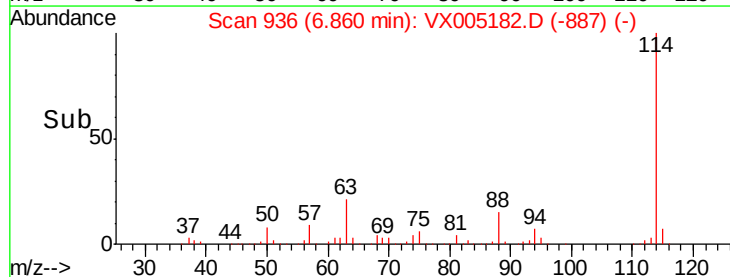
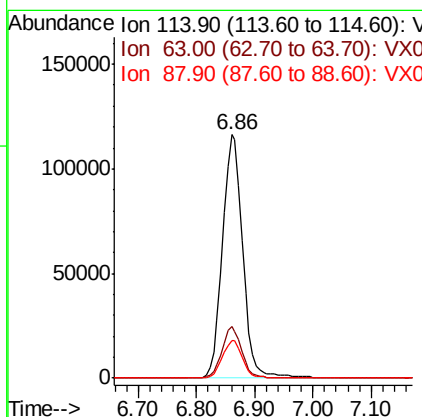
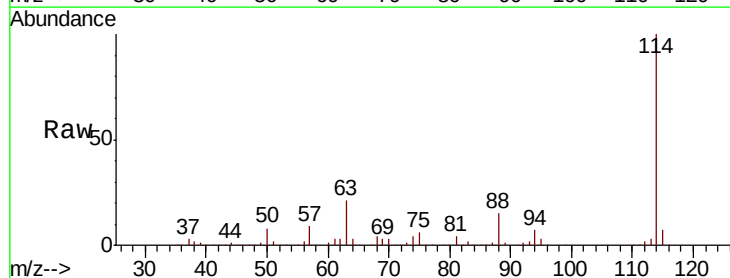
Manual Integrations
 APPROVED

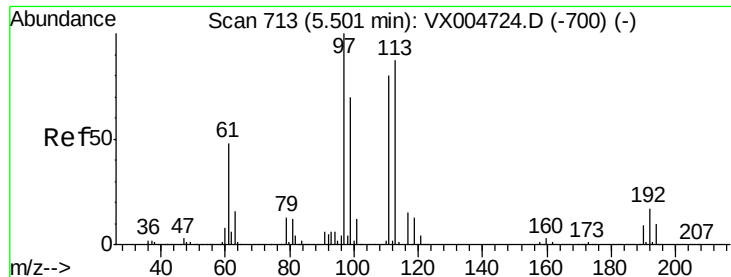
MMDadoda
 10/11/2018 5:02:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.8
88	15.5	0.0	27.0





#35

Dibromofluoromethane

Concen: 47.854 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

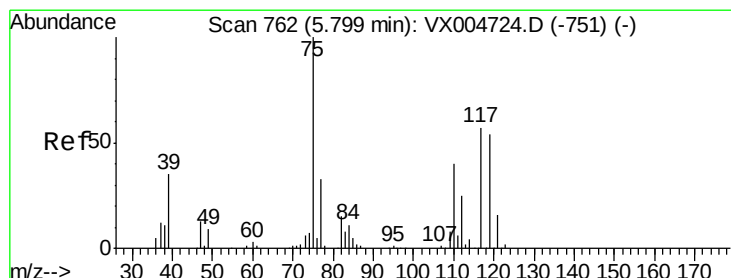
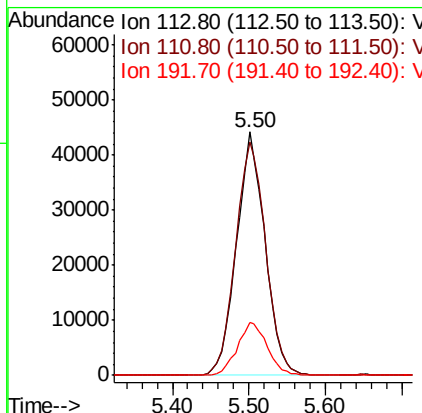
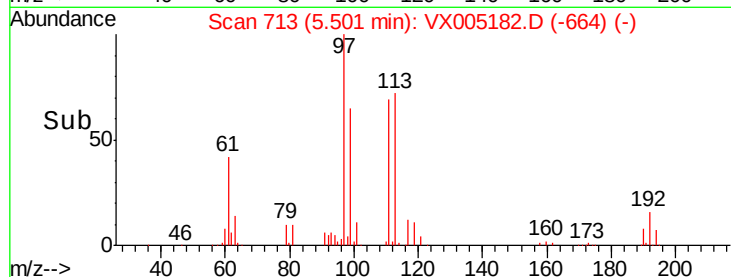
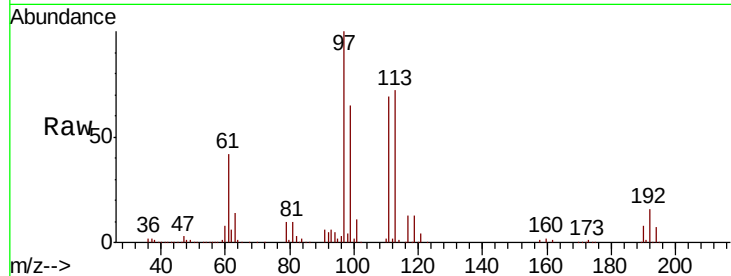
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	77.0	115.4
192	22.8	17.0	25.6

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM



#36

1,1-Dichloropropene

Concen: 51.281 ug/l

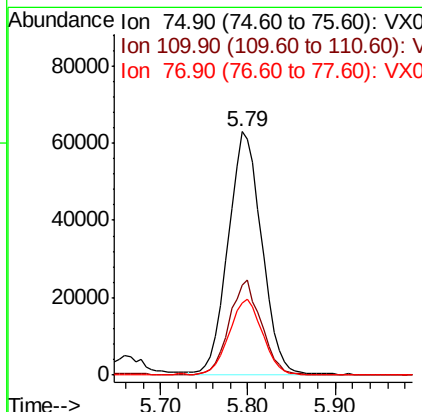
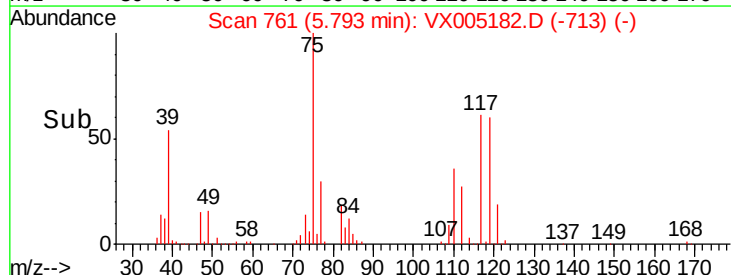
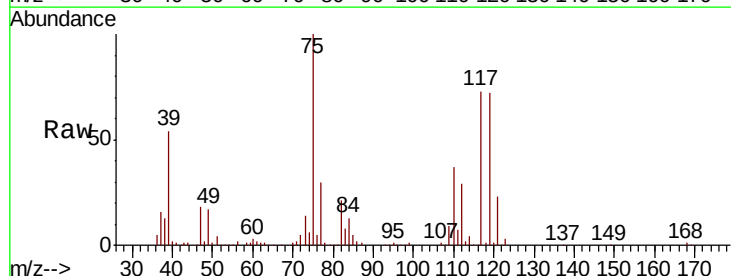
RT: 5.79 min Scan# 761

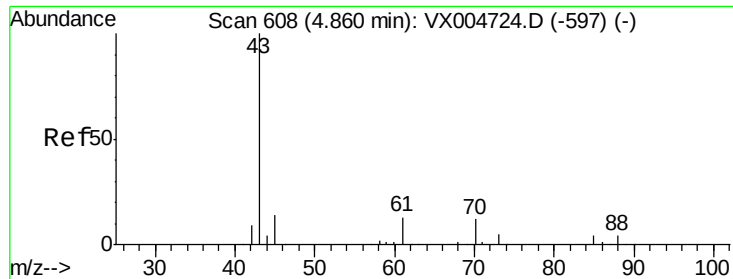
Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	20.0	59.9
77	30.9	27.1	40.7





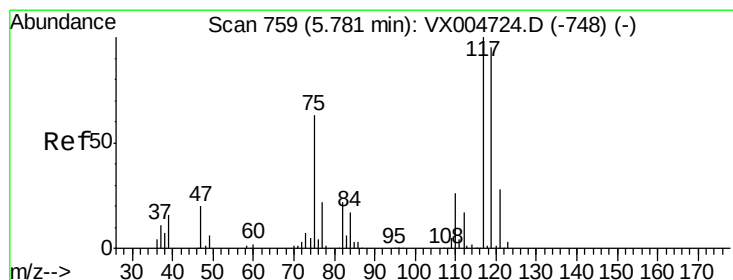
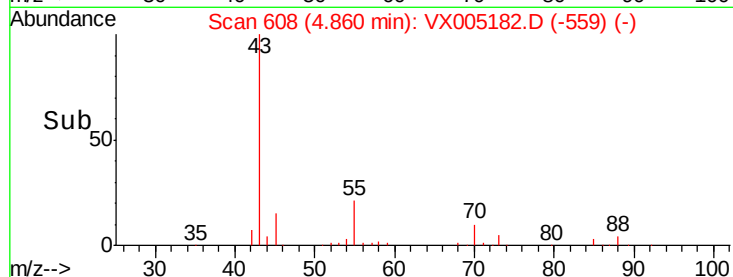
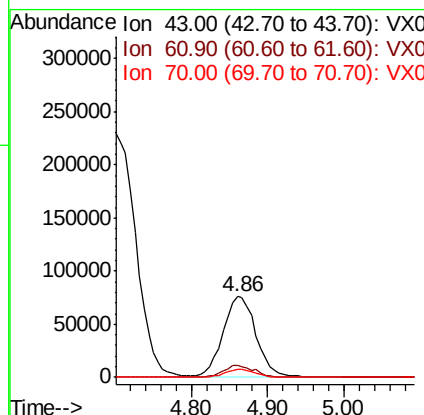
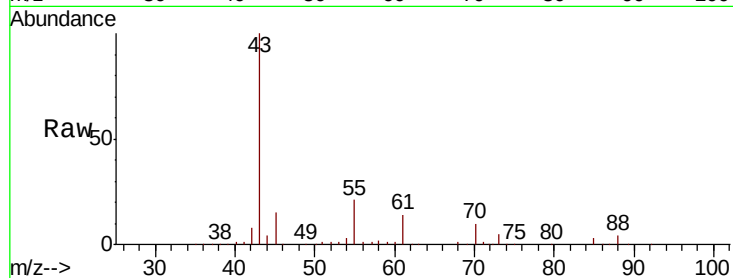
#37
Ethyl Acetate
Concen: 52.450 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.4	15.6
70	9.8	8.7	13.1

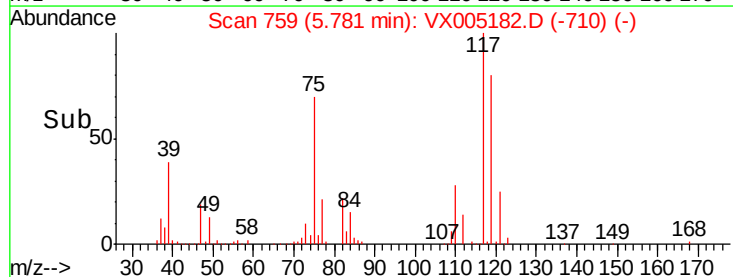
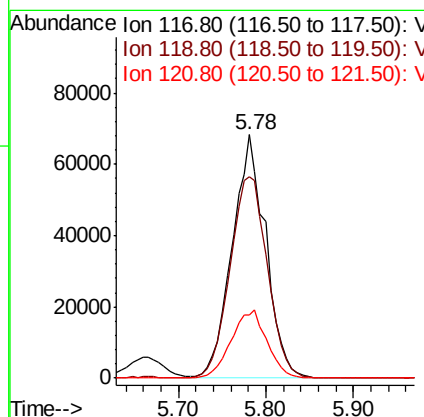
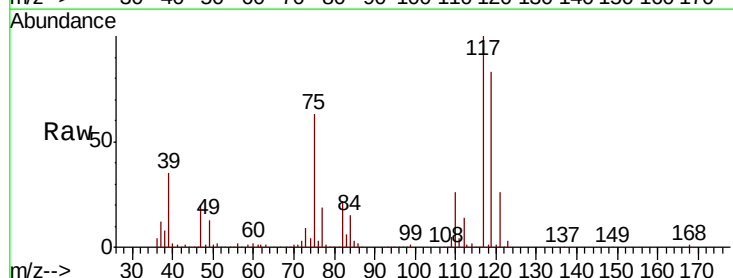
Manual Integrations
APPROVED

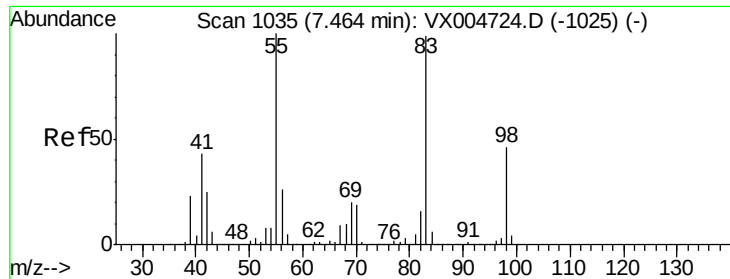
MMDadoda
10/11/2018 5:02:09 PM



#38
Carbon Tetrachloride
Concen: 52.994 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	82.7	75.2	112.8
121	25.7	22.5	33.7





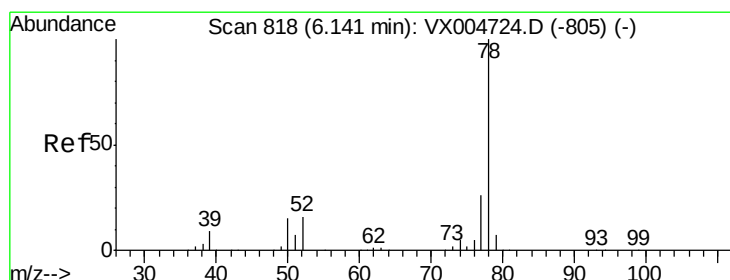
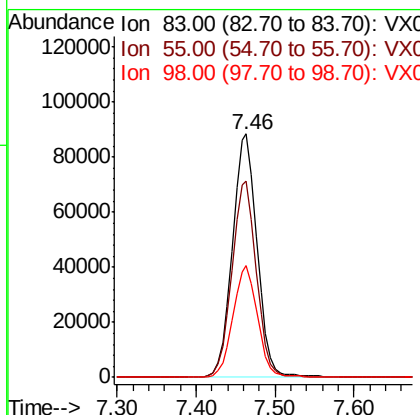
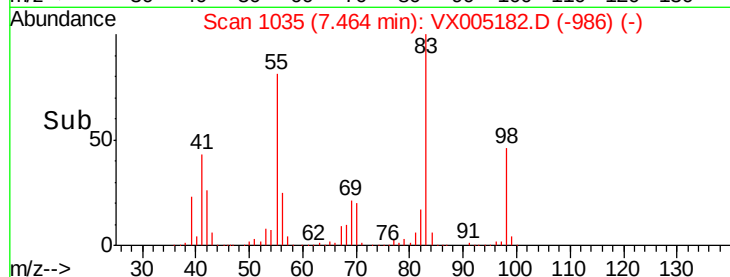
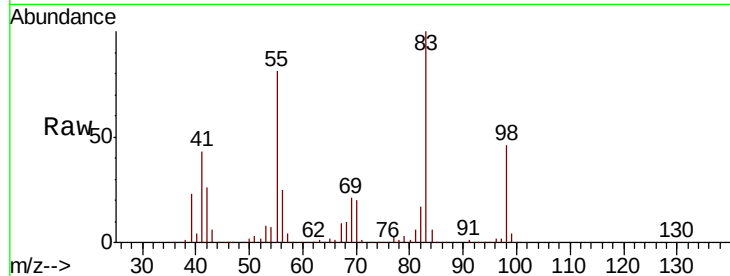
#39
Methylvlcyclohexane
Concen: 57.846 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	81.1	121.7#
98	45.7	37.3	55.9

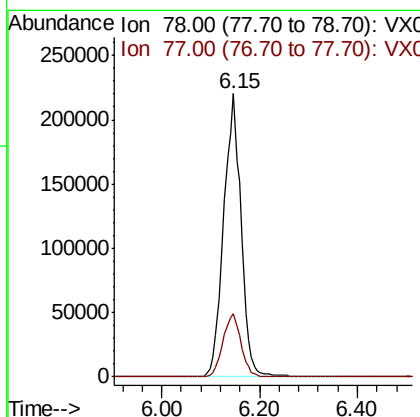
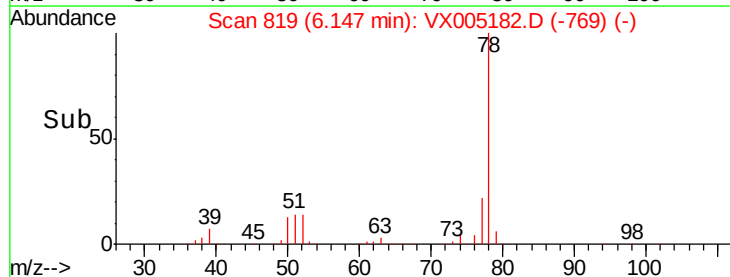
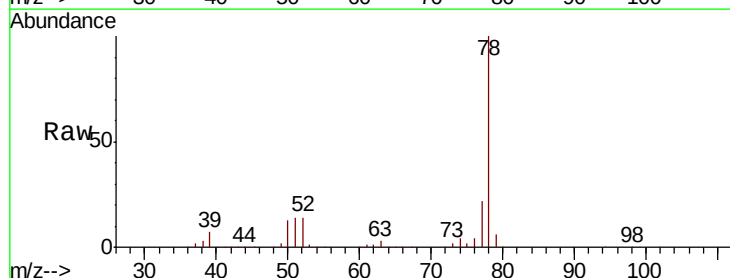
Manual Integrations
APPROVED

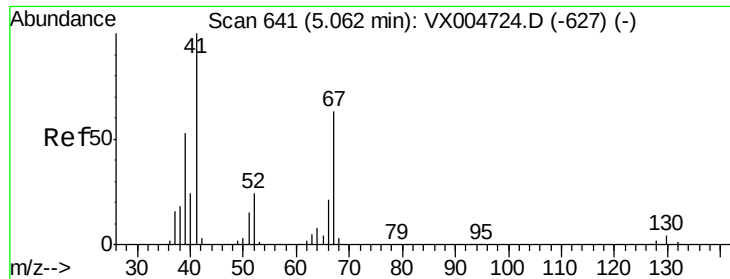
MMDadoda
10/11/2018 5:02:09 PM



#40
Benzene
Concen: 53.455 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	21.0	31.4





#41

Methacrylonitrile

Concen: 52.660 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

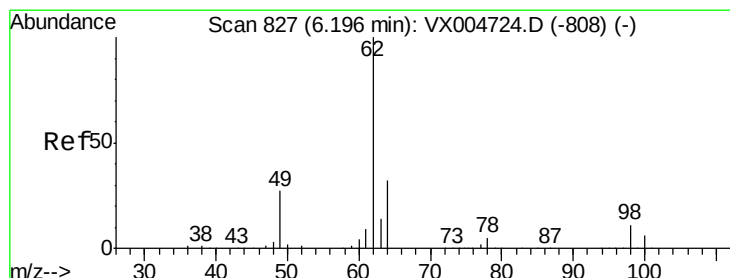
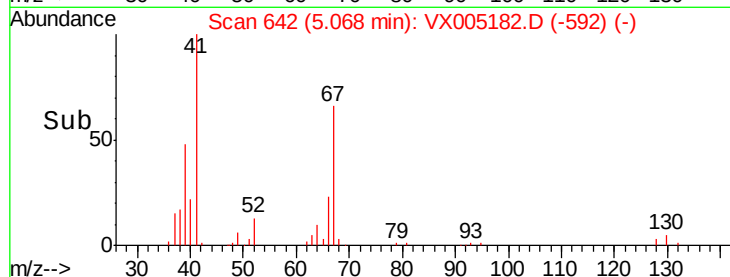
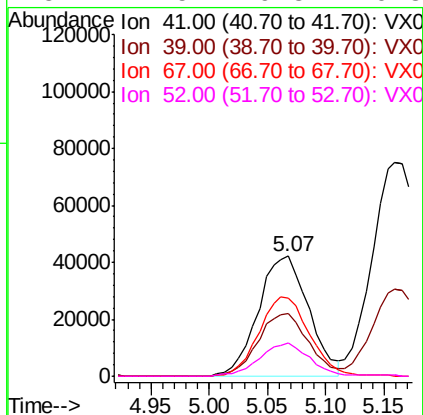
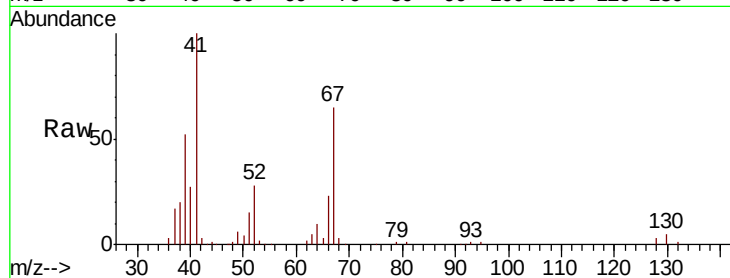
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	42.5	63.7
67	66.5	53.0	79.6
52	27.5	19.8	29.8

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM



#42

1,2-Dichloroethane

Concen: 52.059 ug/l

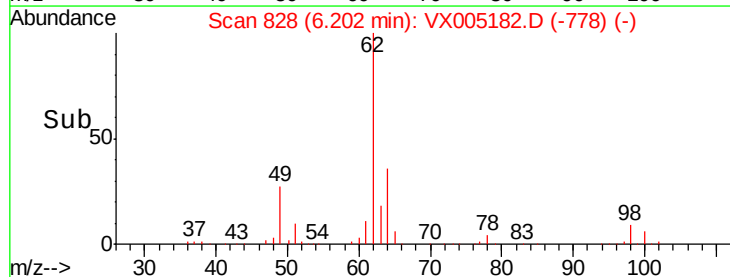
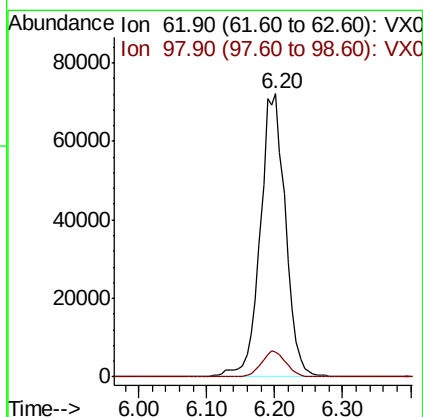
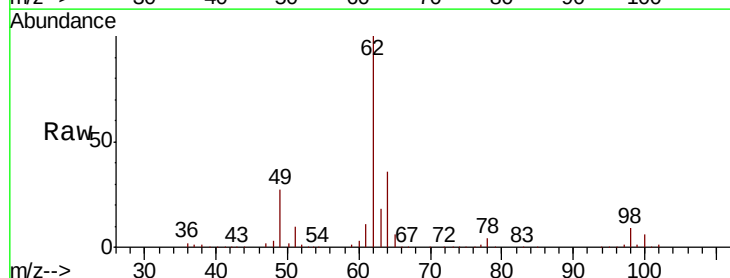
RT: 6.20 min Scan# 828

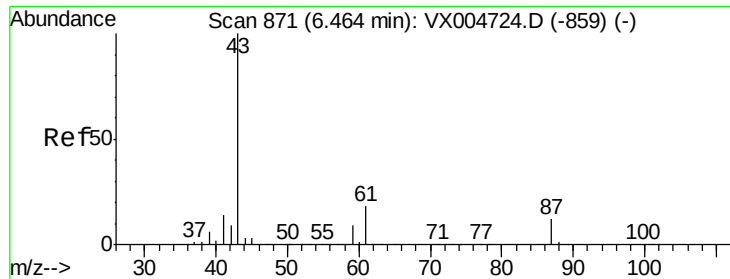
Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	20.2





#43

Isopropyl Acetate

Concen: 53.669 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

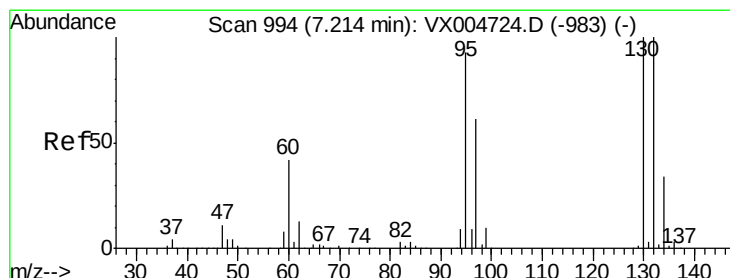
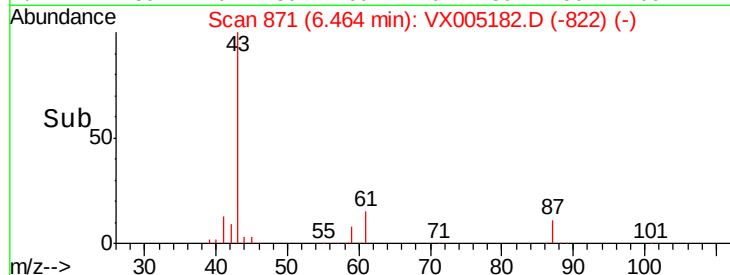
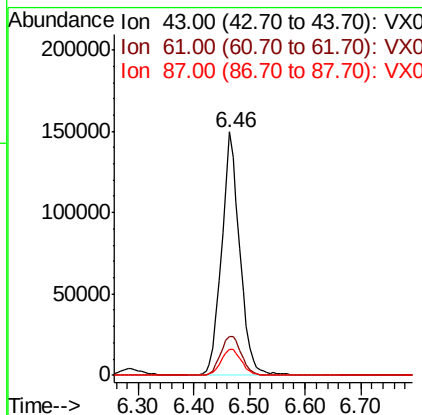
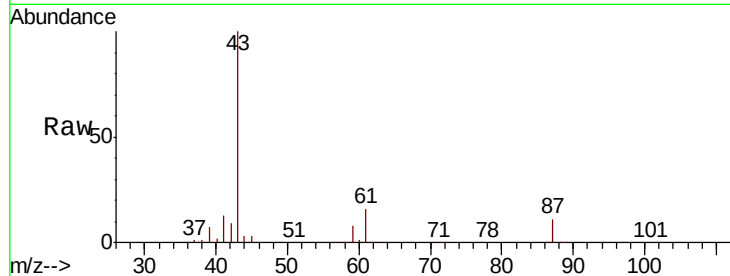
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	334787
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.2	21.4
87	12.2	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM



#44

Trichloroethene

Concen: 54.339 ug/l

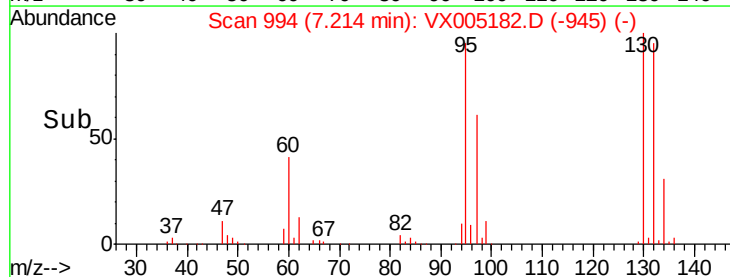
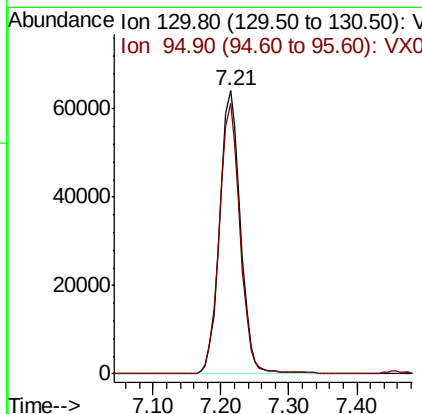
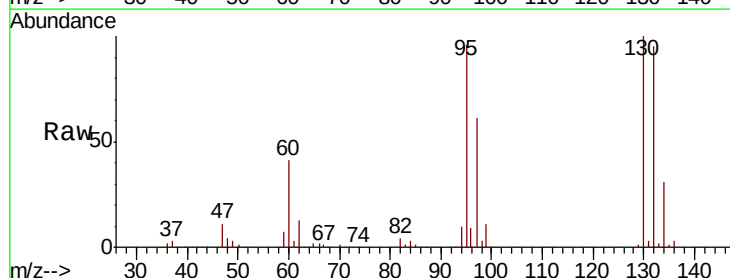
RT: 7.21 min Scan# 994

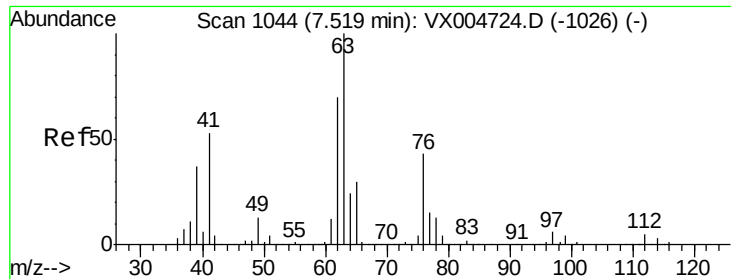
Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion:	130	Resp:	136165
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	186.8





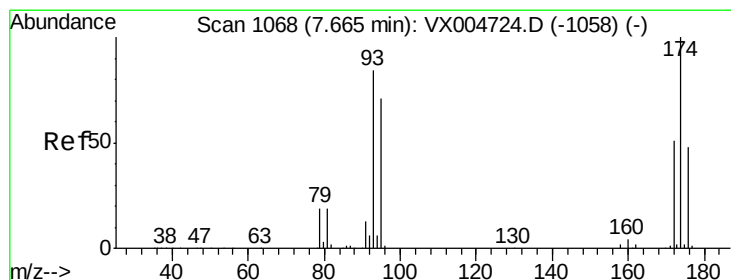
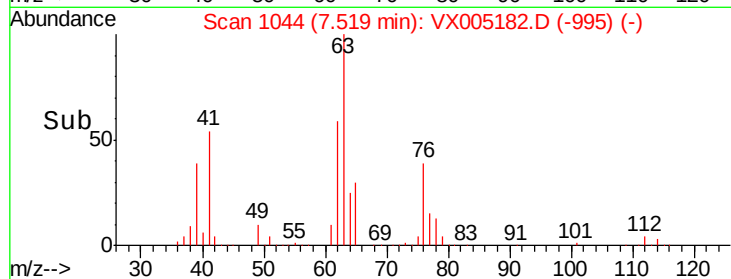
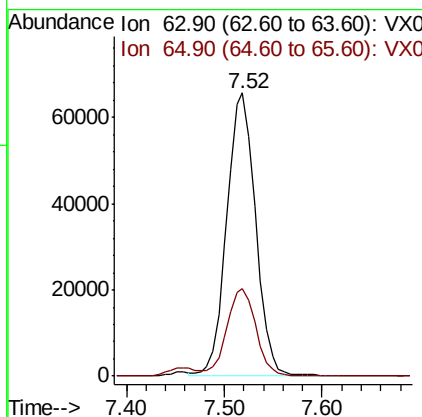
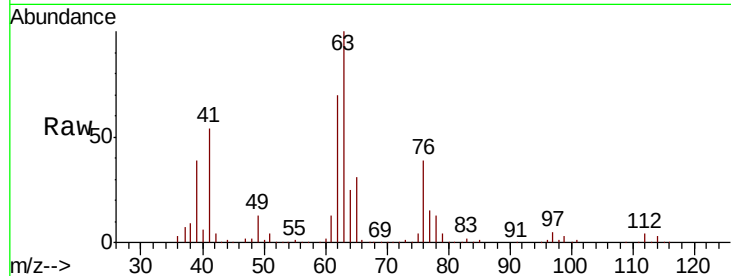
#45
1,2-Dichloropropane
Concen: 53.621 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 134036
Ion Ratio Lower Upper
63 100
65 30.9 23.9 35.9

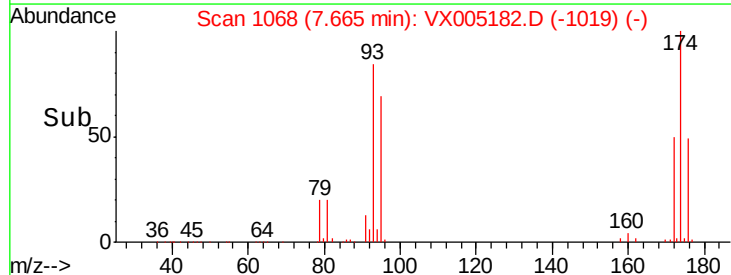
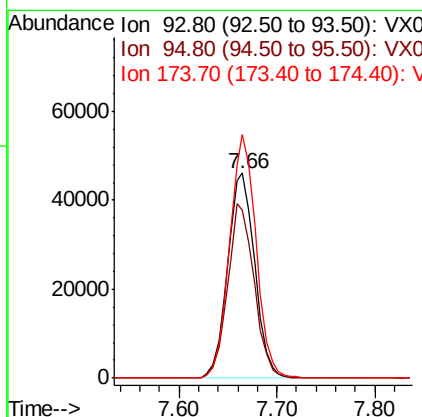
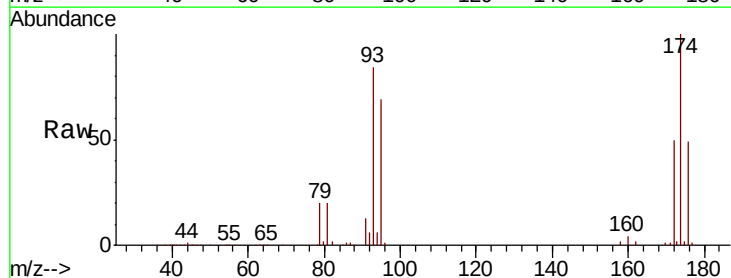
Manual Integrations
APPROVED

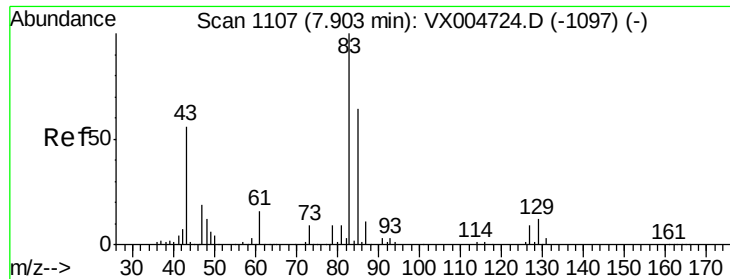
MMDadoda
10/11/2018 5:02:09 PM



#46
Dibromomethane
Concen: 56.135 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion: 93 Resp: 88186
Ion Ratio Lower Upper
93 100
95 83.2 66.7 100.1
174 116.3 92.7 139.1





#47

Bromodichloromethane

Concen: 57.717 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

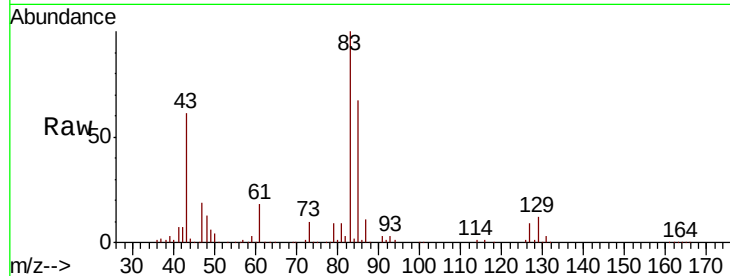
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	169762
Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.2	76.8
127	8.9	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM

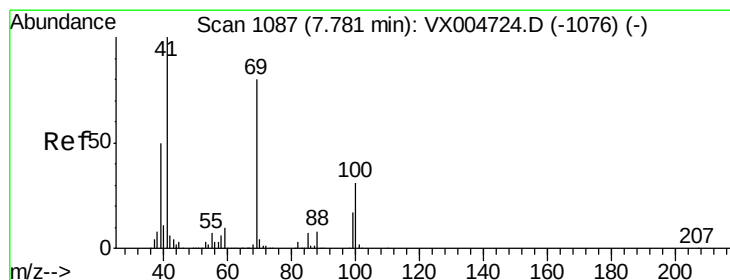
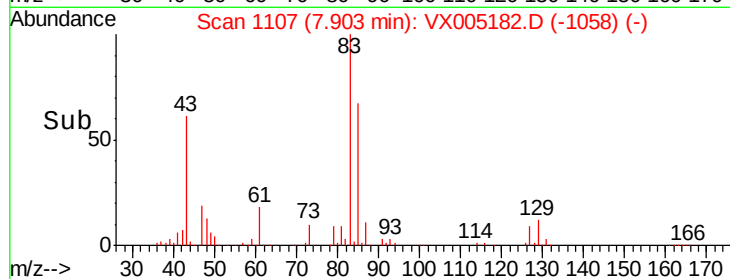
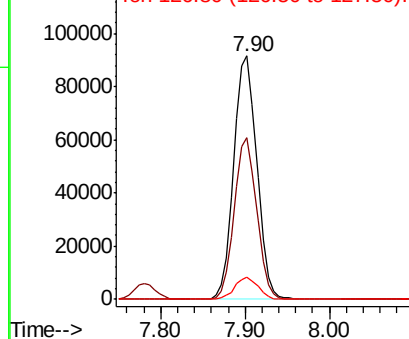


Abundance

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 61.012 ug/l

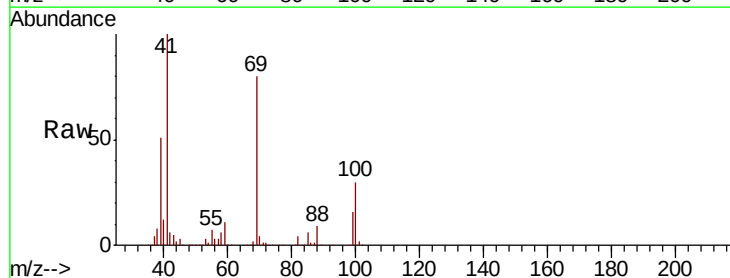
RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion:	41	Resp:	172747
Ion	Ratio	Lower	Upper
41	100		
69	82.0	63.8	95.6
39	52.0	40.7	61.1

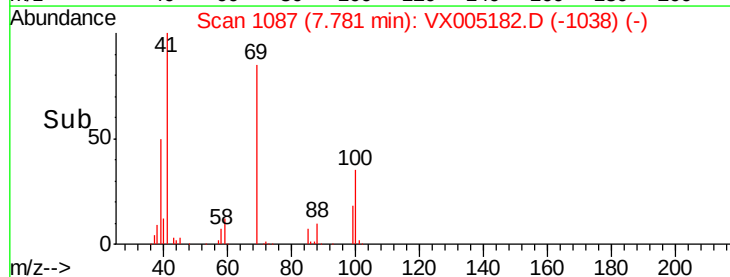
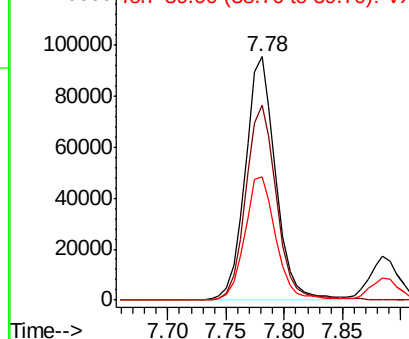


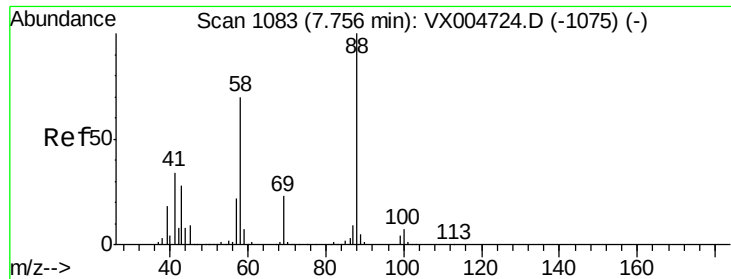
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





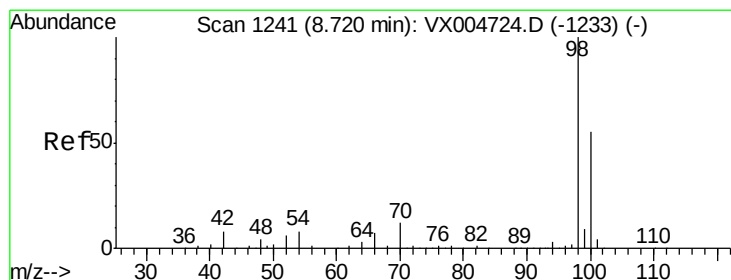
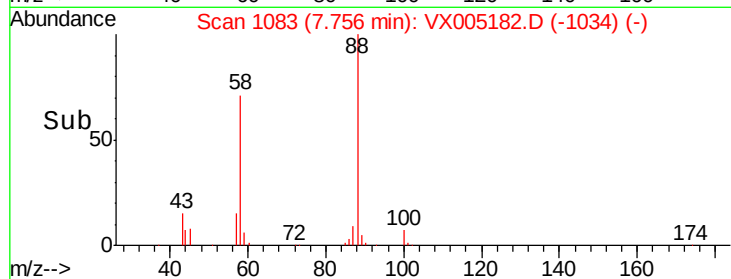
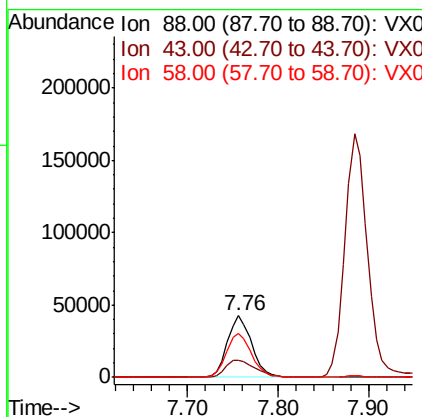
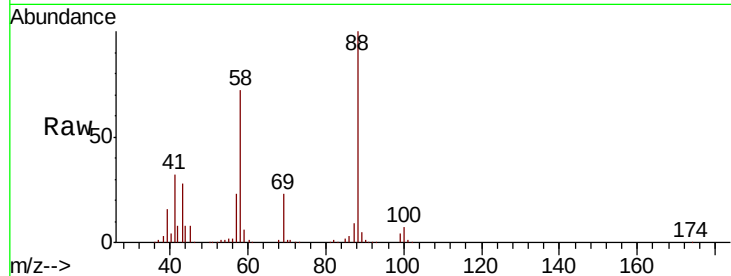
#49
1,4-Dioxane
Concen: 1127.241 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	79292
Ion	Ratio	Lower	Upper
88	100		
43	33.6	25.1	37.7
58	74.0	56.2	84.2

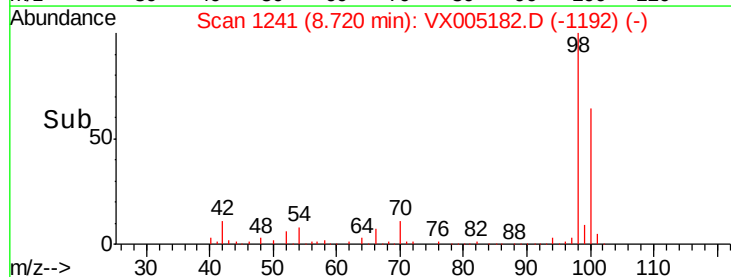
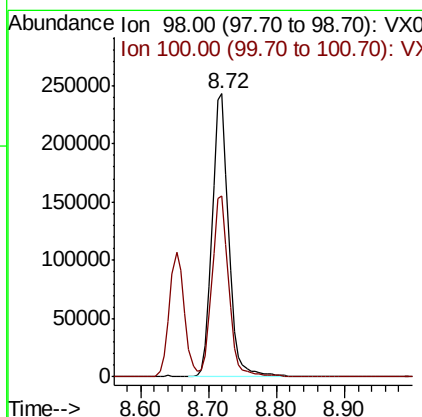
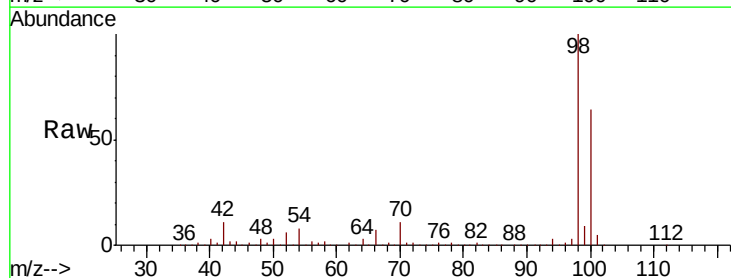
Manual Integrations
APPROVED

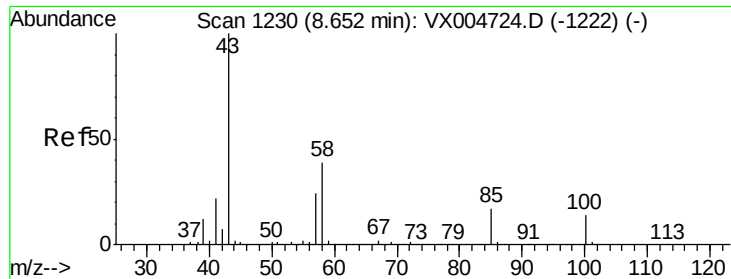
MMDadoda
10/11/2018 5:02:09 PM



#50
Toluene-d8
Concen: 51.631 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	98	Resp	409618
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.9	77.9





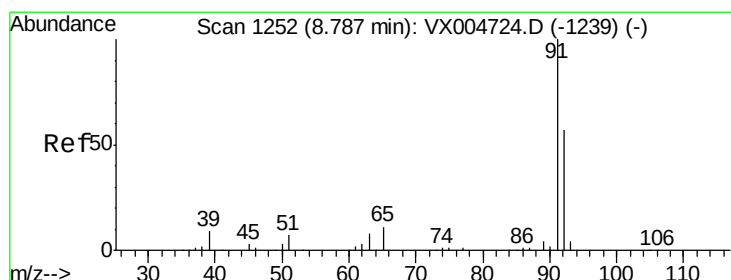
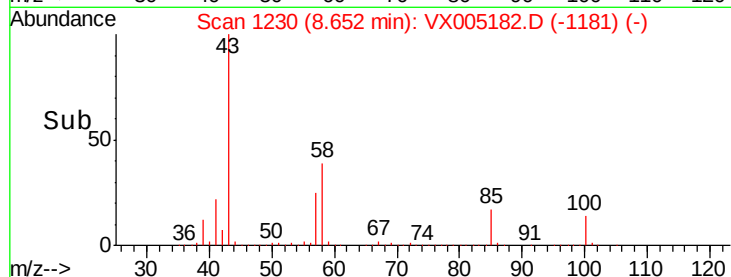
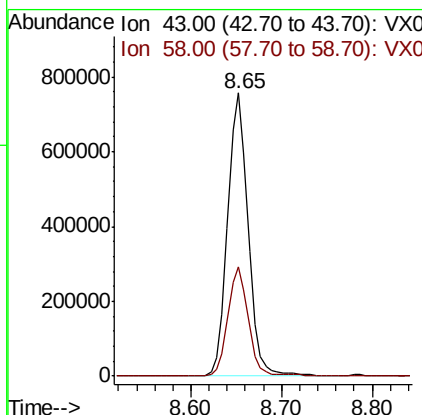
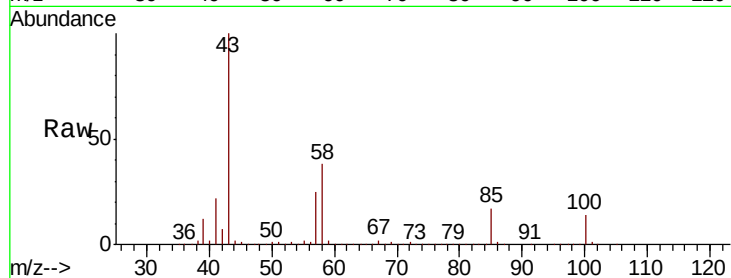
#51
4-Methyl-2-Pentanone
Concen: 303.703 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1192866
Ion Ratio Lower Upper
43 100
58 38.4 30.5 45.7

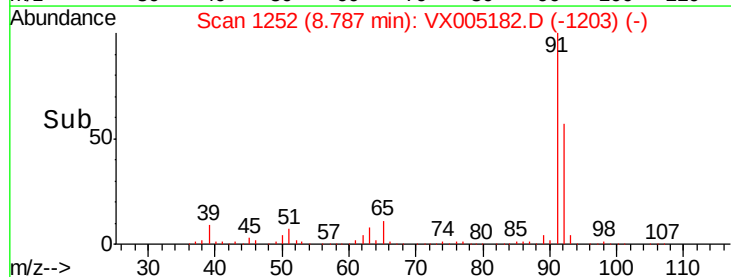
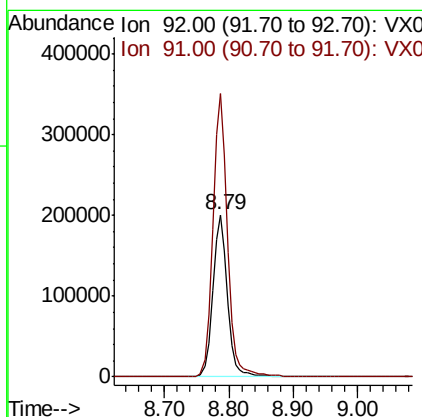
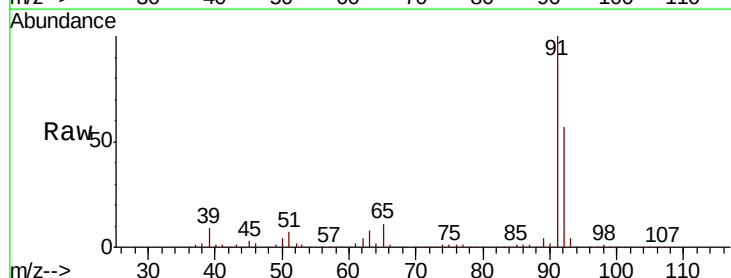
Manual Integrations
APPROVED

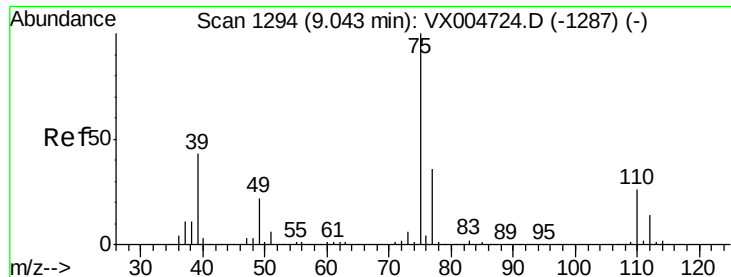
MMDadoda
10/11/2018 5:02:09 PM



#52
Toluene
Concen: 56.806 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion: 92 Resp: 318170
Ion Ratio Lower Upper
92 100
91 175.6 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 54.133 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 179925

Ion Ratio Lower Upper

75 100

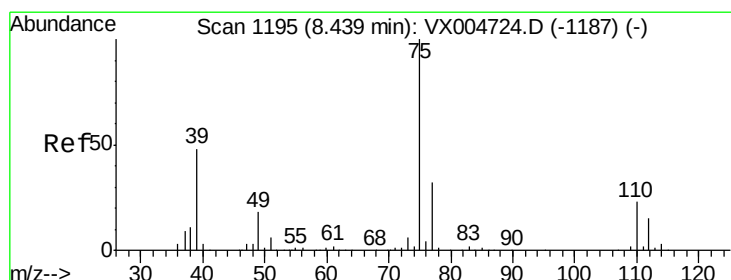
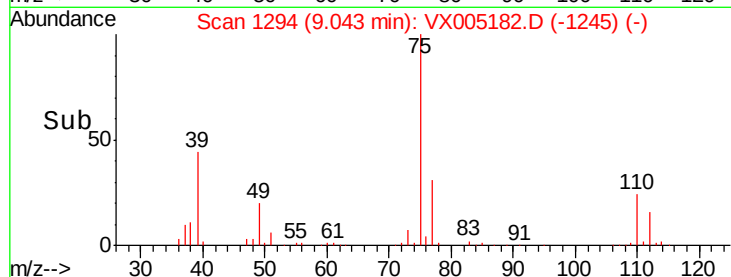
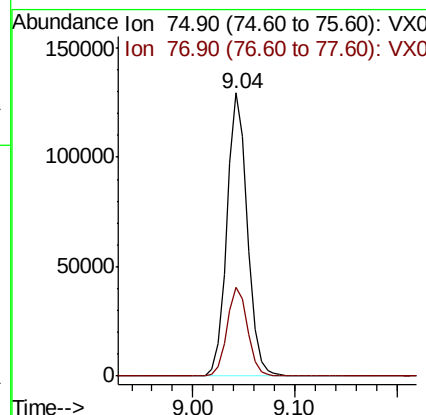
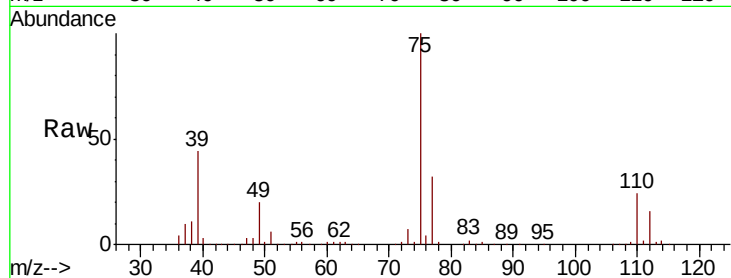
77 31.5 28.9 43.3

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:02:09 PM



#54

cis-1,3-Dichloropropene

Concen: 55.818 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

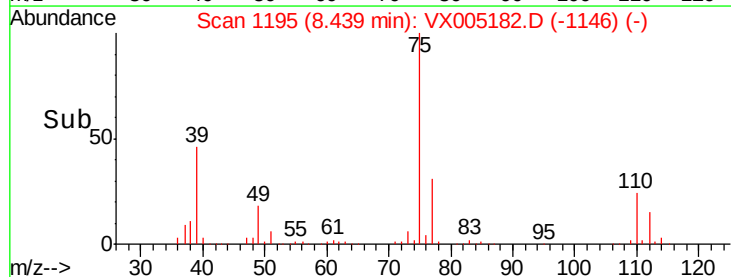
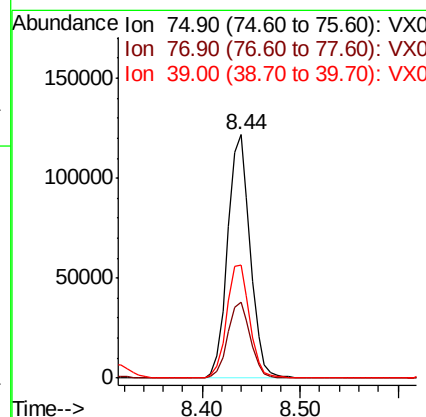
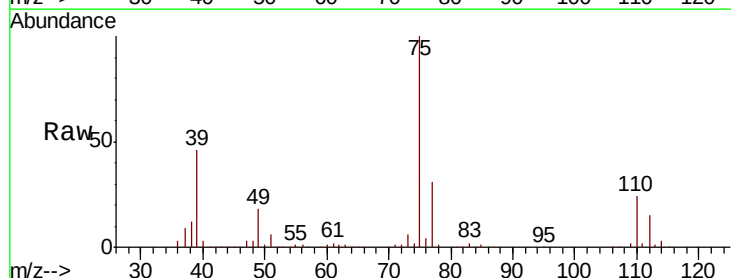
Tgt Ion: 75 Resp: 194323

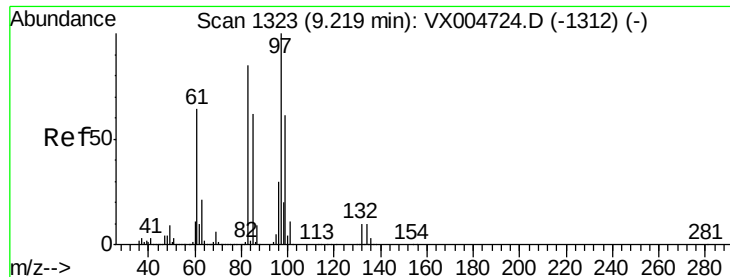
Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

39 46.4 38.3 57.5





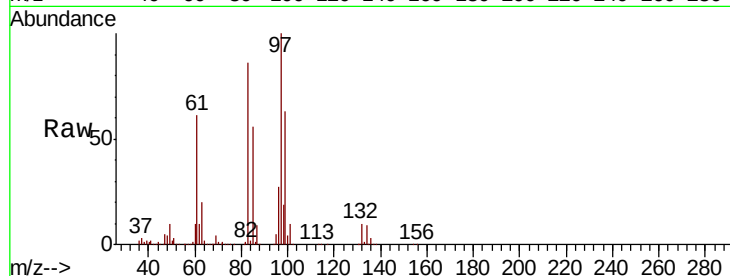
#55
 1,1,2-Trichloroethane
 Concen: 53.544 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

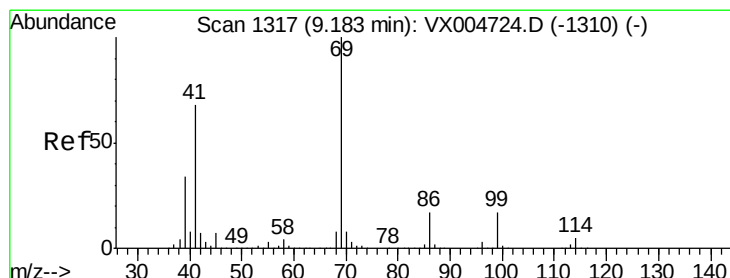
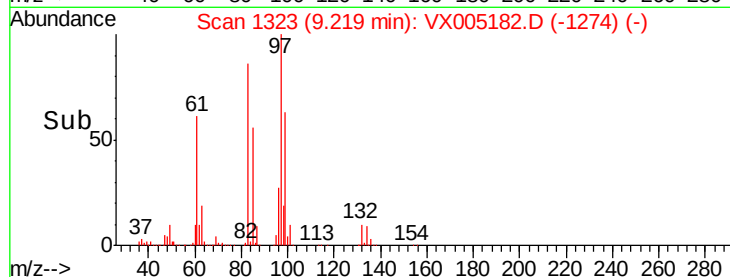
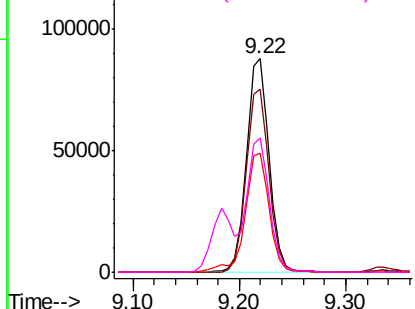
Tot Ion:	97	Resp:	131368
Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.2	102.2
85	55.9	49.9	74.9
99	63.0	48.9	73.3

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 5:02:09 PM

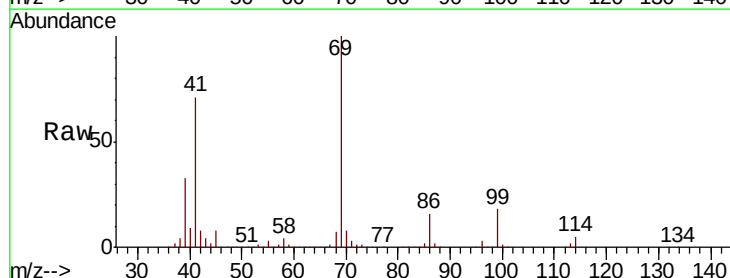


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

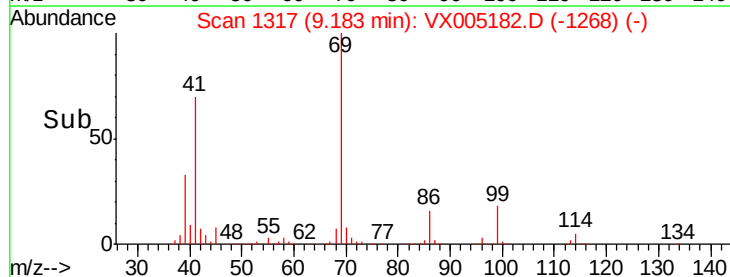
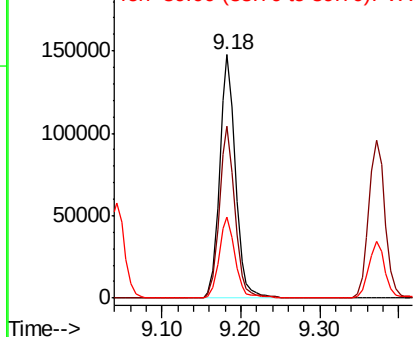


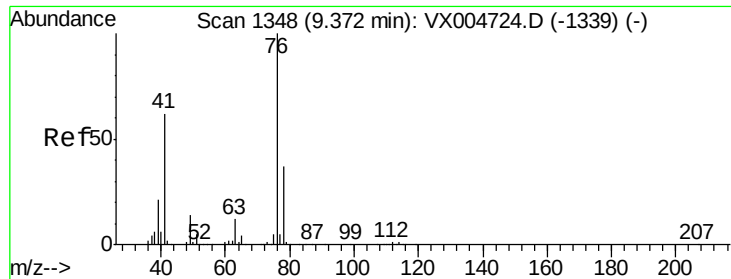
#56
 Ethyl methacrylate
 Concen: 51.750 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion:	69	Resp:	206452
Ion	Ratio	Lower	Upper
69	100		
41	69.6	56.9	85.3
39	33.7	28.4	42.6



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





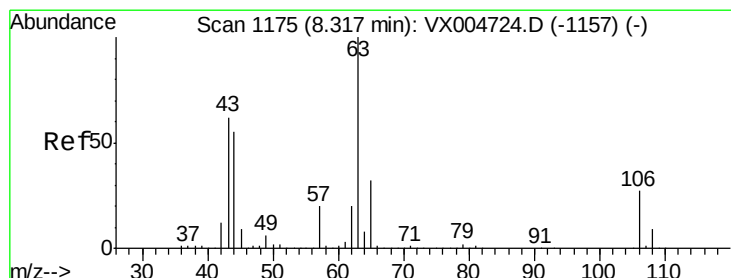
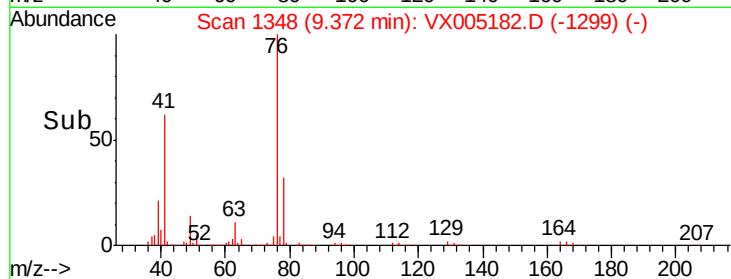
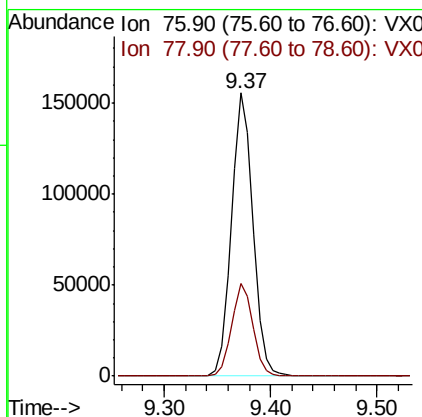
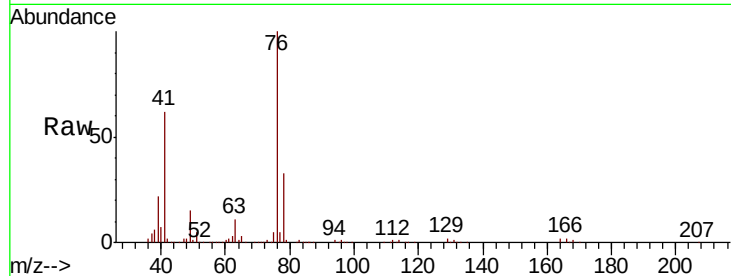
#57
 1,3-Dichloropropane
 Concen: 54.064 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.6	40.0

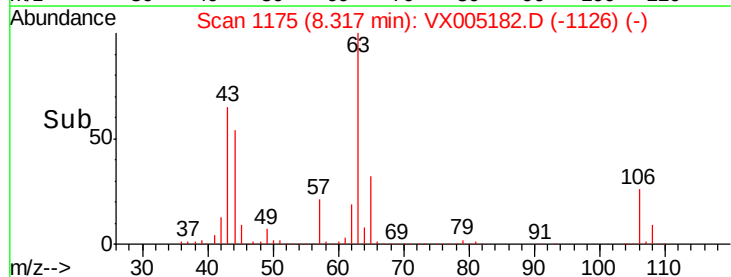
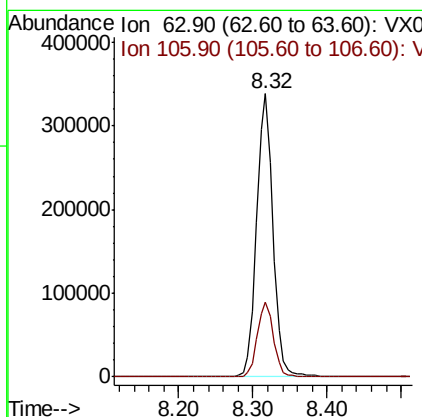
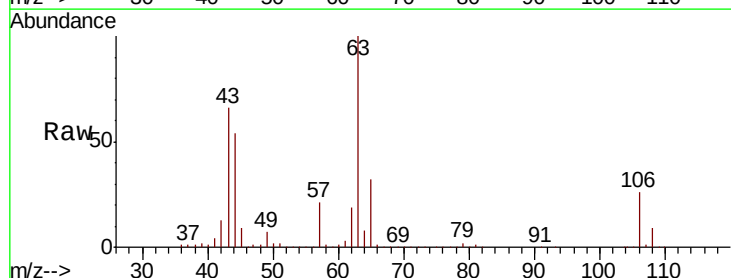
Manual Integrations
 APPROVED

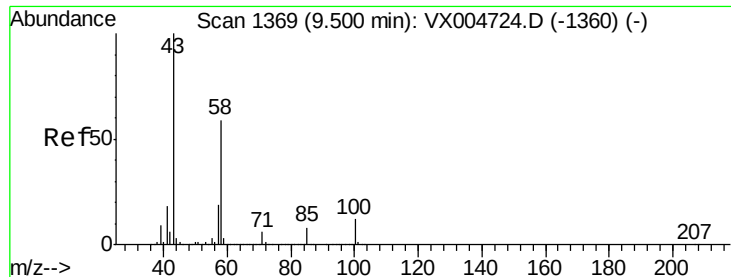
MMDadoda
 10/11/2018 5:02:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.948 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.0	31.6





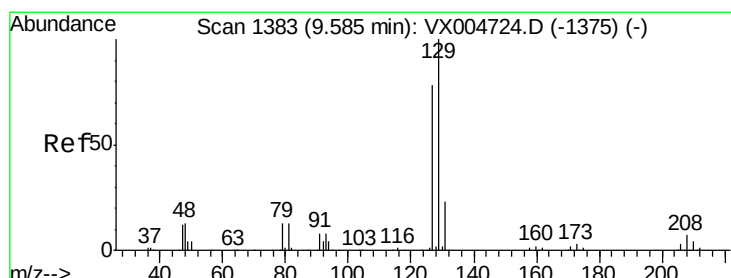
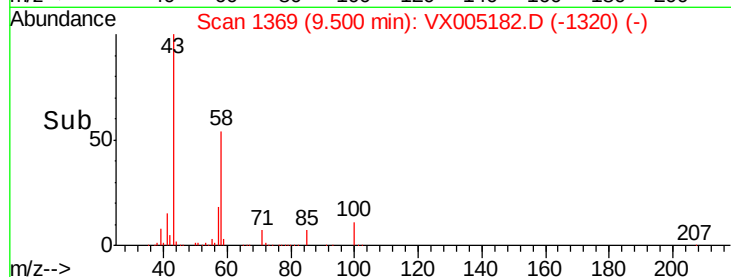
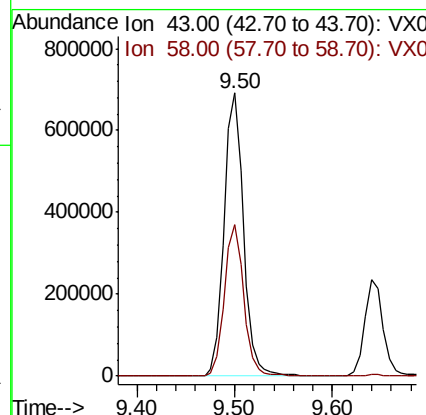
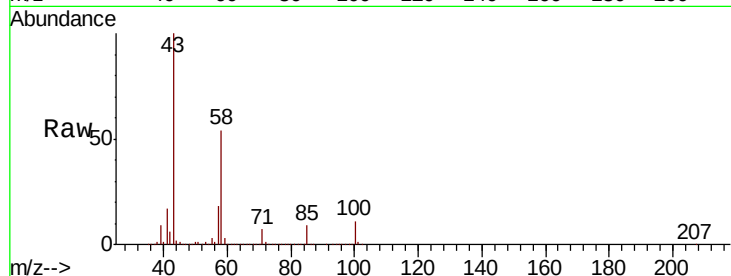
#59
2-Hexanone
Concen: 292.632 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	28.4	85.3

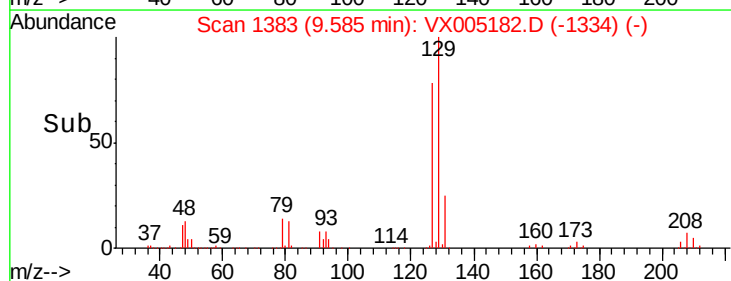
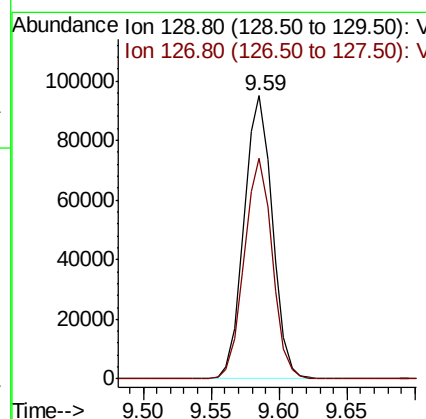
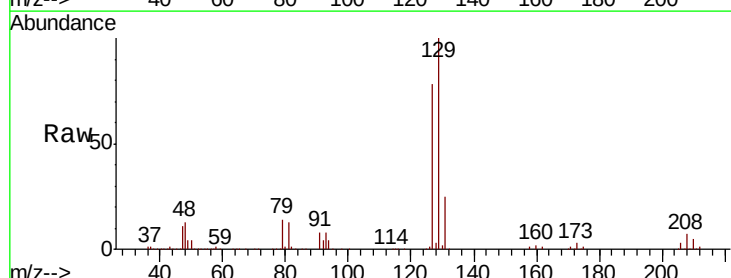
Manual Integrations
APPROVED

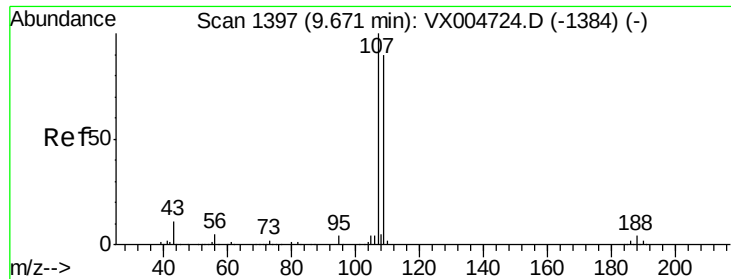
MMDadoda
10/11/2018 5:02:09 PM



#60
Dibromochloromethane
Concen: 56.608 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.1	117.2





#61

1,2-Dibromoethane

Concen: 52.998 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 139253

Ion Ratio Lower Upper

107 100

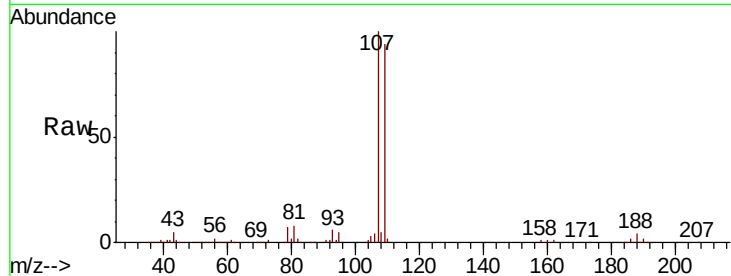
109 93.7 72.1 108.1

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:02:09 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

100000

80000

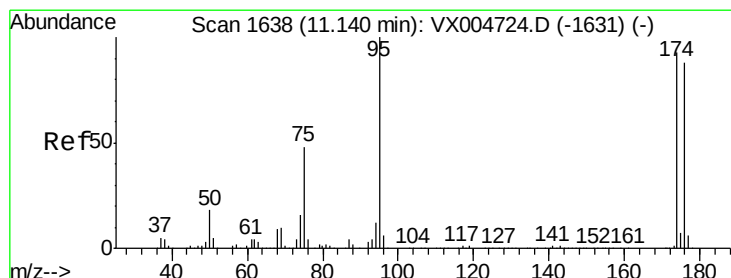
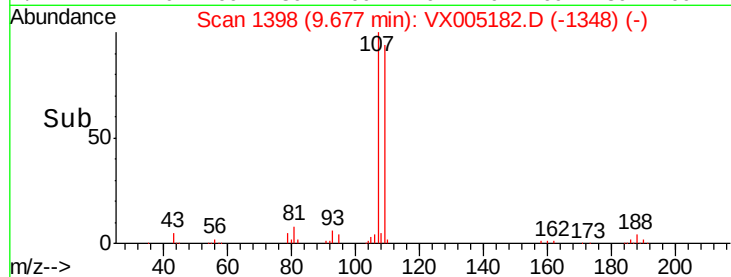
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.846 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

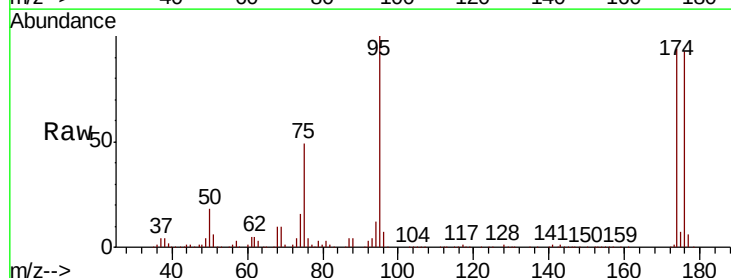
Tgt Ion: 95 Resp: 156756

Ion Ratio Lower Upper

95 100

174 92.4 0.0 185.0

176 89.8 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

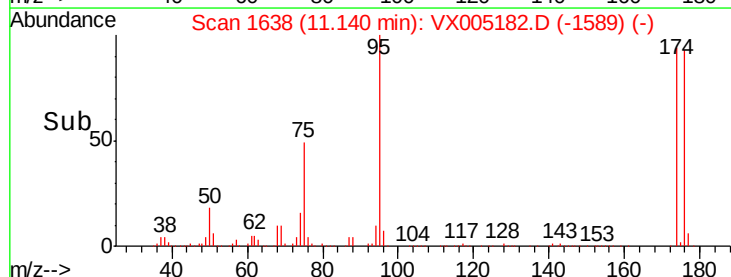
150000

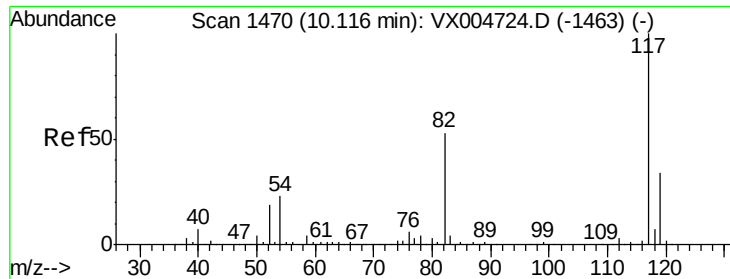
100000

50000

0

Time-->





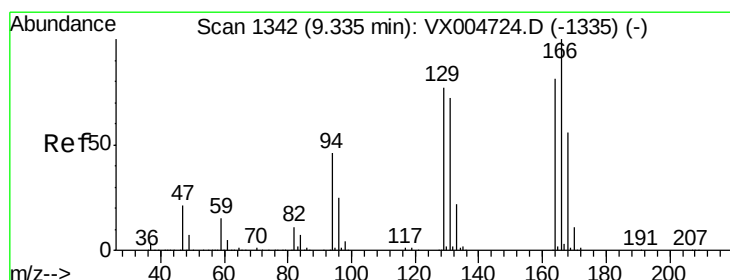
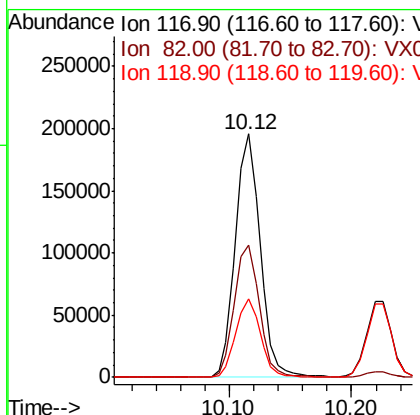
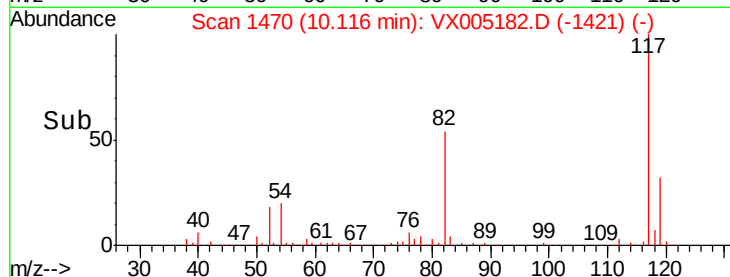
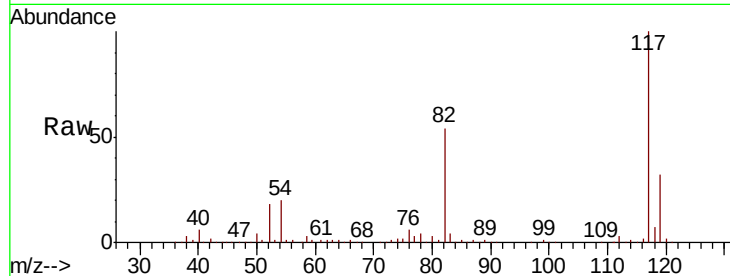
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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

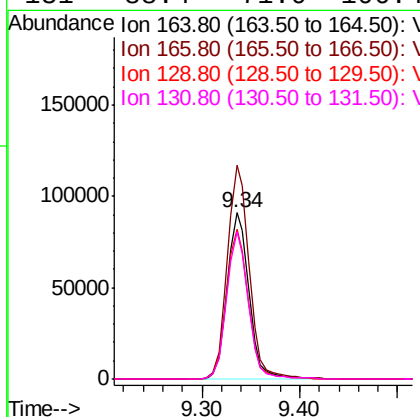
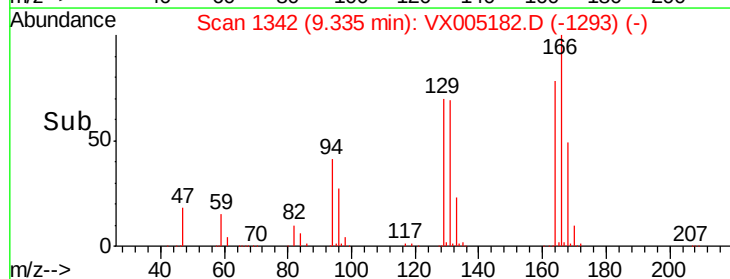
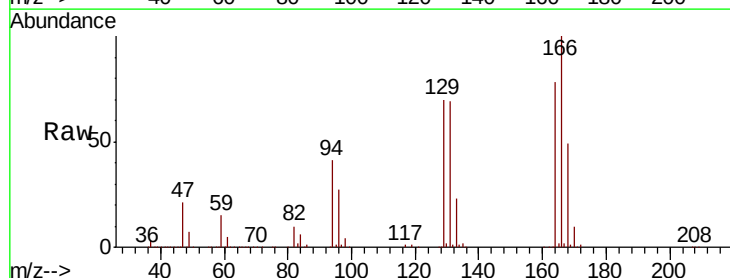
Manual Integrations
APPROVED

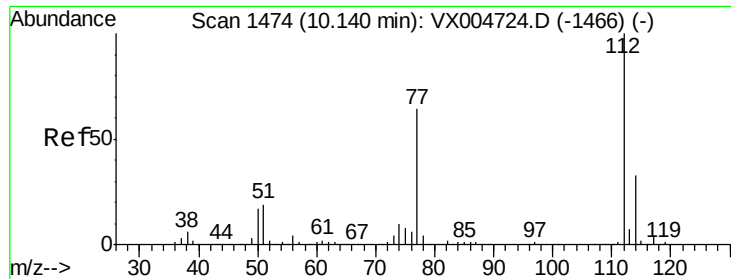
MMDadoda
10/11/2018 5:02:09 PM



#64
Tetrachloroethene
Concen: 52.153 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	98.4	147.6
129	90.0	76.1	114.1
131	88.4	71.0	106.4





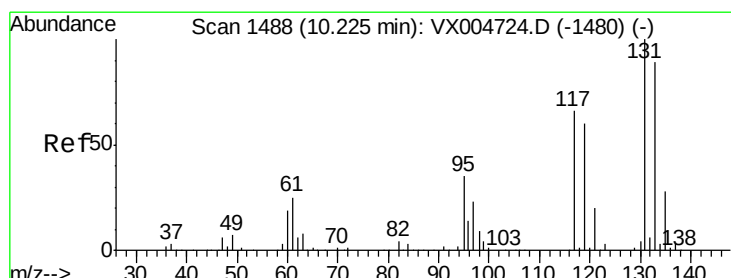
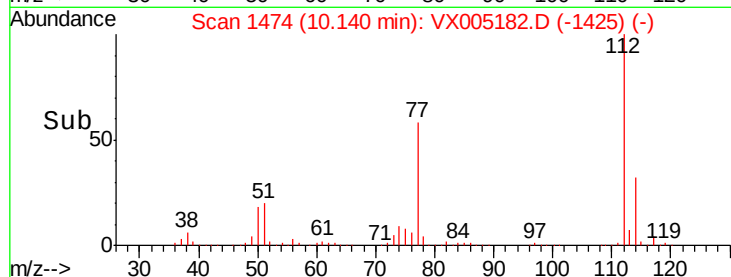
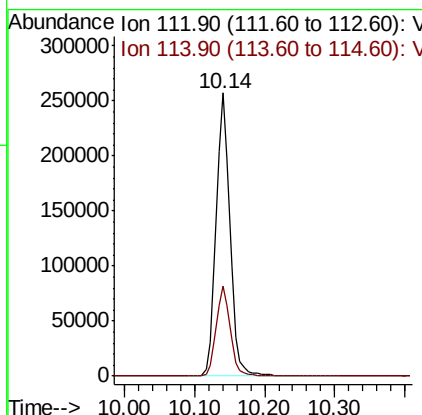
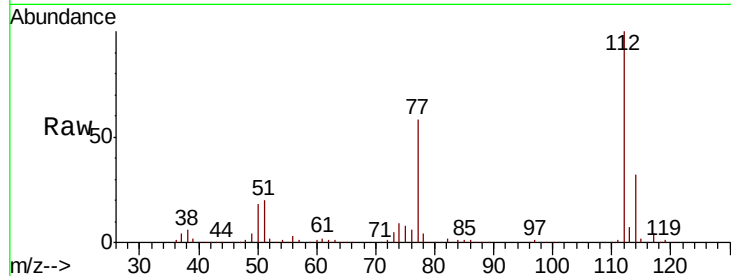
#65
Chlorobenzene
Concen: 50.412 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 356625
Ion Ratio Lower Upper
112 100
114 31.8 26.7 40.1

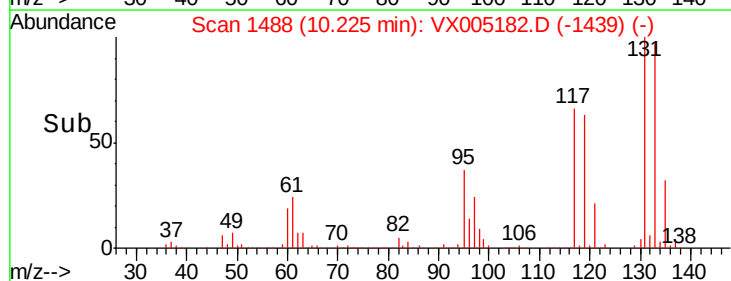
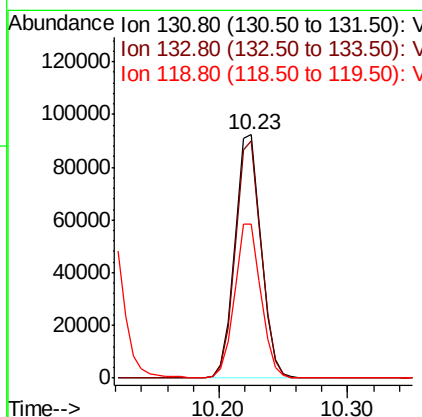
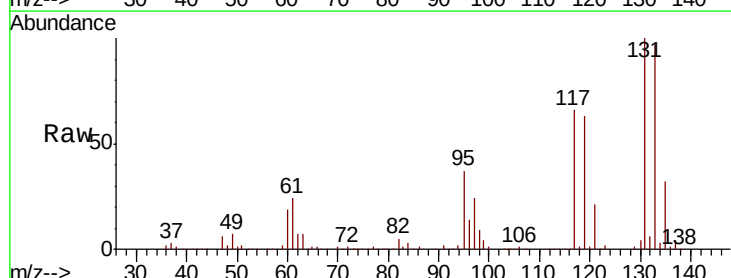
Manual Integrations
APPROVED

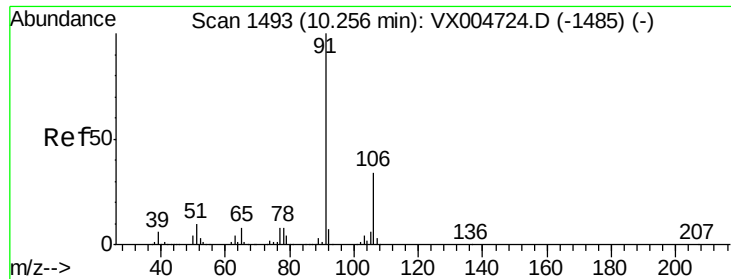
MMDadoda
10/11/2018 5:02:09 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.750 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion:131 Resp: 131190
Ion Ratio Lower Upper
131 100
133 96.1 48.4 145.0
119 63.6 32.3 96.8





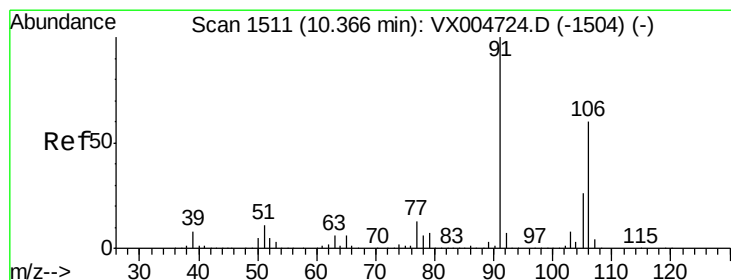
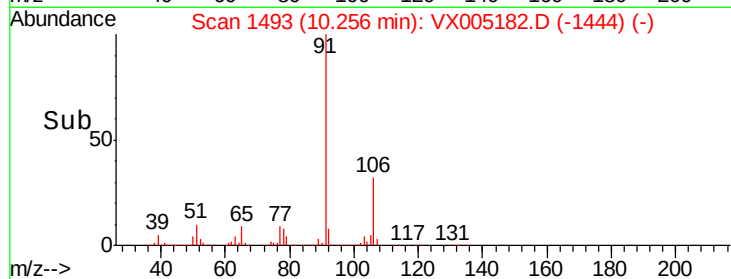
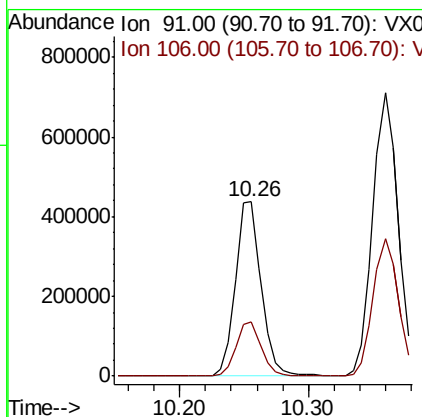
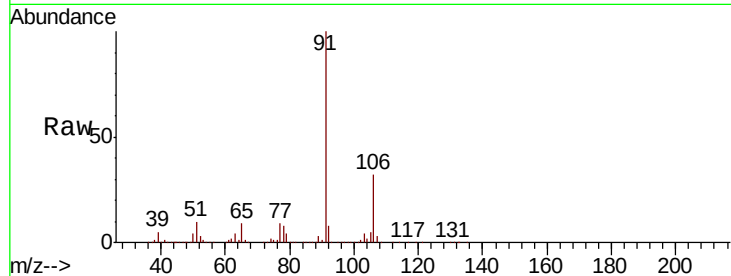
#67
Ethyl Benzene
Concen: 54.491 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	26.9	40.3

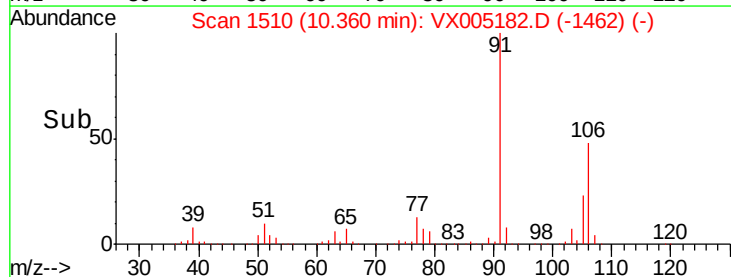
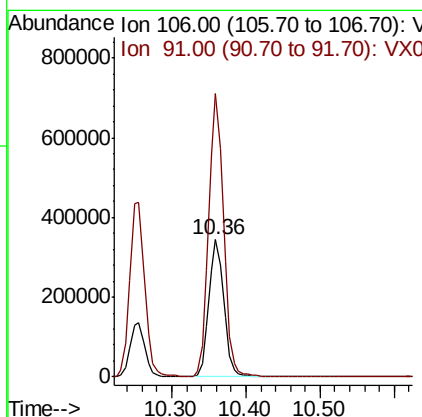
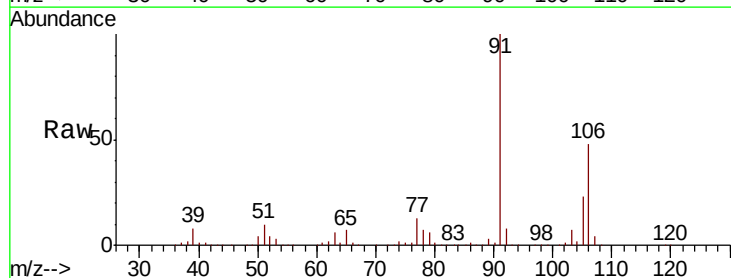
Manual Integrations
APPROVED

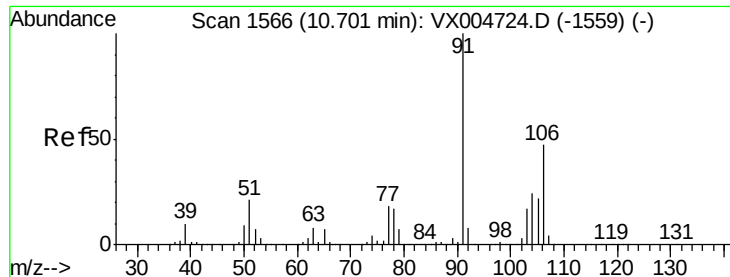
MMDadoda
10/11/2018 5:02:09 PM



#68
m/p-Xylenes
Concen: 108.718 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.4	157.5	236.3





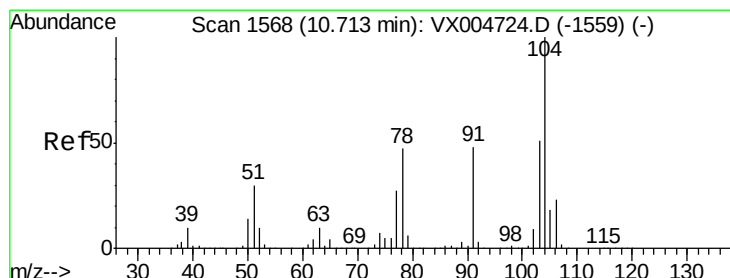
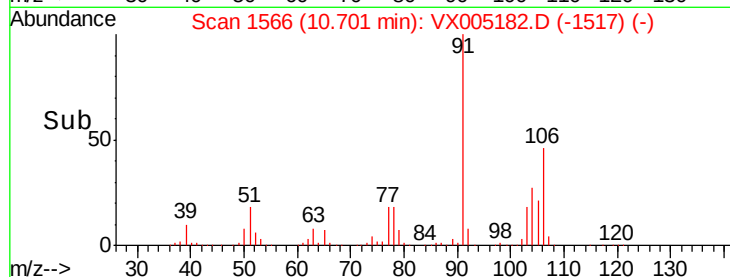
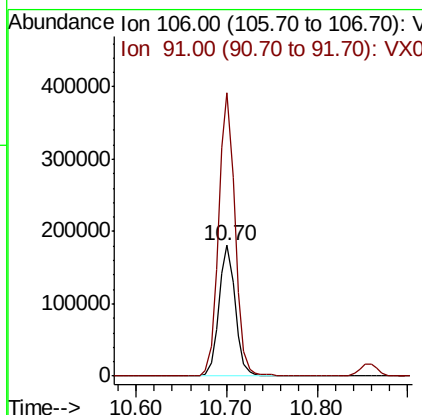
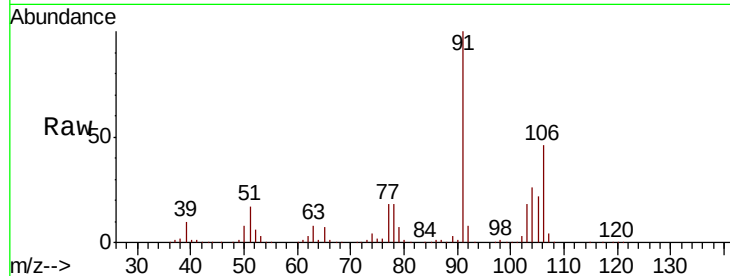
#69
o-Xylene
Concen: 56.819 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 229046
Ion Ratio Lower Upper
106 100
91 217.0 108.3 324.8

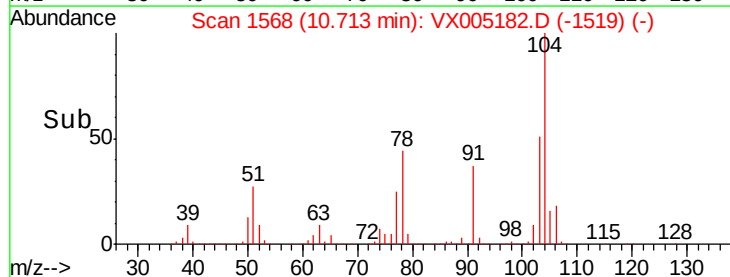
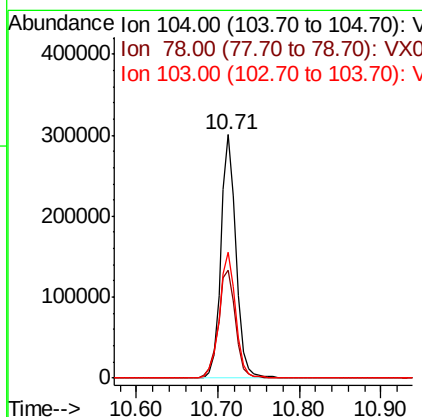
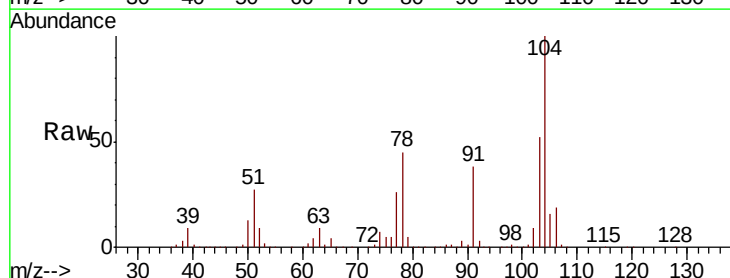
Manual Integrations
APPROVED

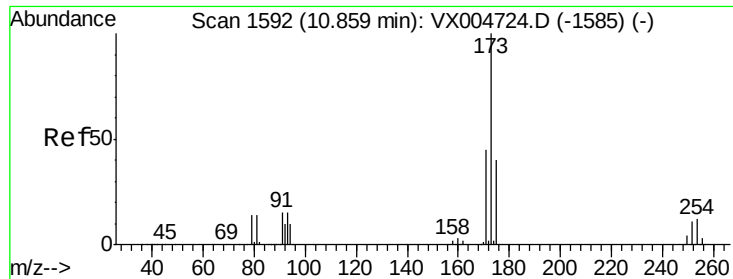
MMDadoda
10/11/2018 5:02:09 PM



#70
Styrene
Concen: 51.543 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion:104 Resp: 389128
Ion Ratio Lower Upper
104 100
78 50.7 40.0 60.0
103 55.9 44.3 66.5





#71

Bromoform

Concen: 54.366 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

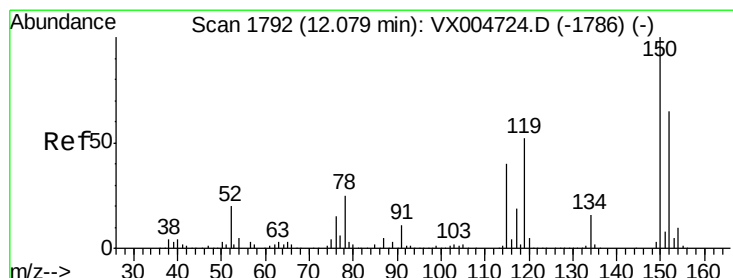
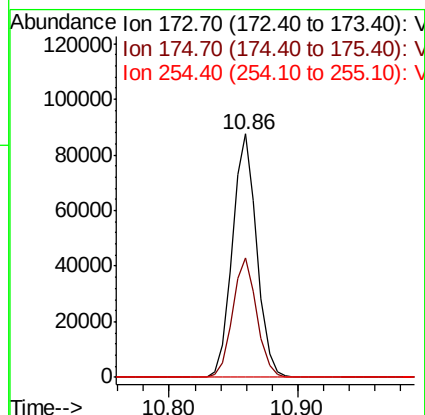
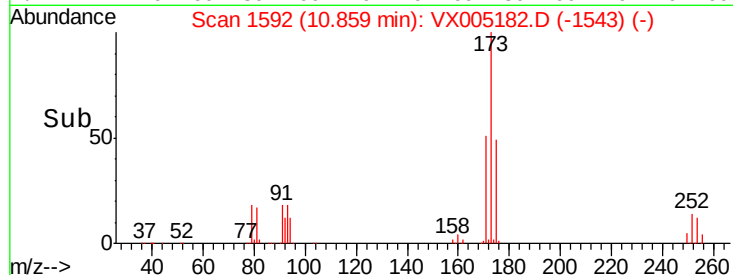
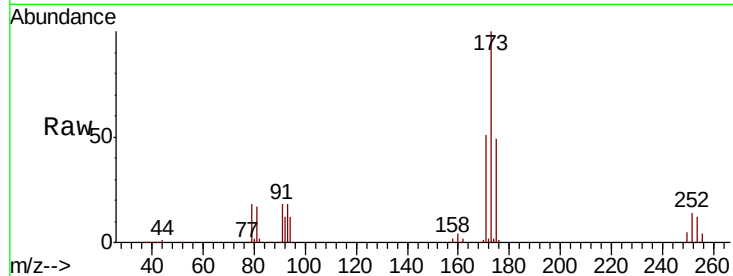
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	115755
Ion Ratio	Lower	Upper	
173	100		
175	48.4	23.3	69.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

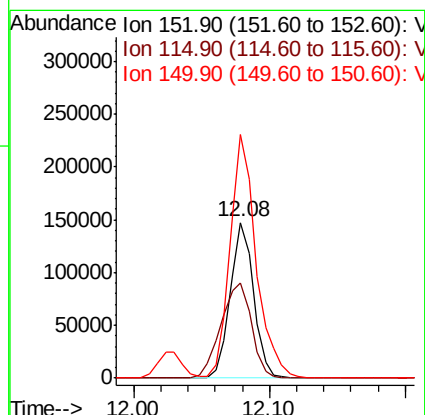
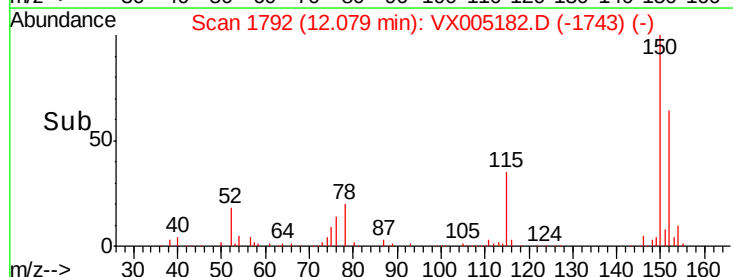
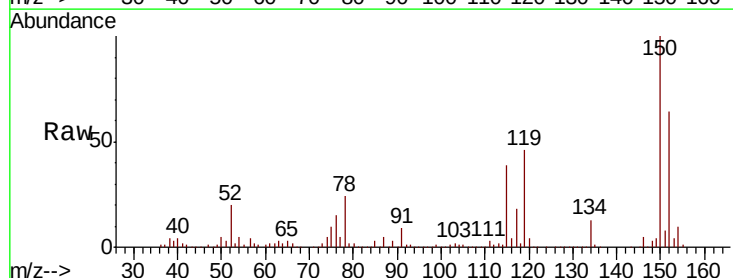
RT: 12.08 min Scan# 1792

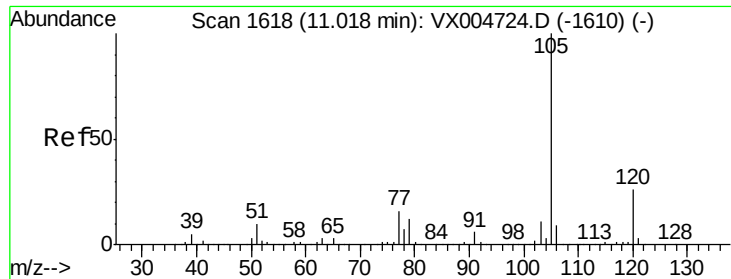
Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion:	152	Resp:	175393
Ion Ratio	Lower	Upper	
152	100		
115	80.5	40.2	120.6
150	175.0	0.0	351.0





#73

Isopropylbenzene

Concen: 56.563 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 625314

Ion Ratio Lower Upper

105 100

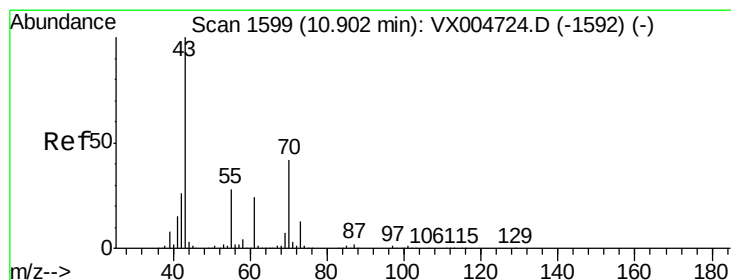
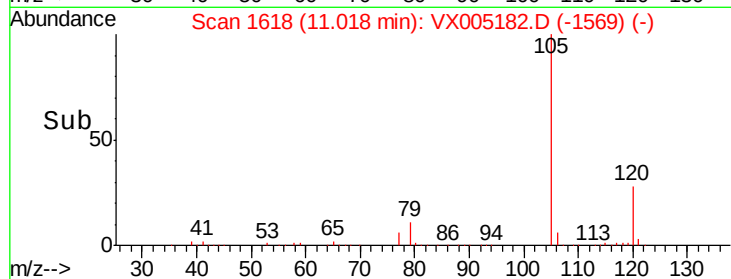
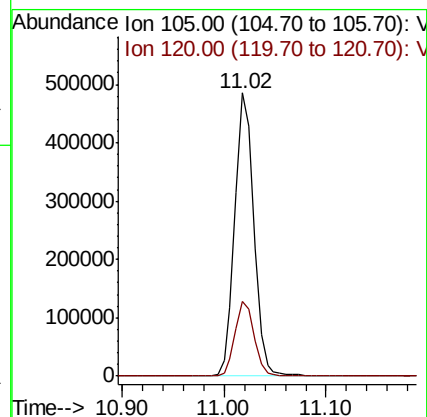
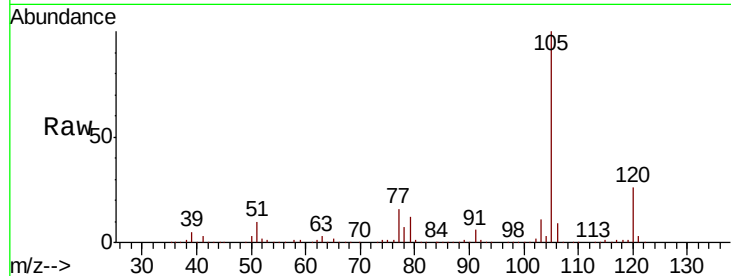
120 26.5 13.2 39.5

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:02:09 PM



#74

N-ethyl acetate

Concen: 49.560 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion: 43 Resp: 301049

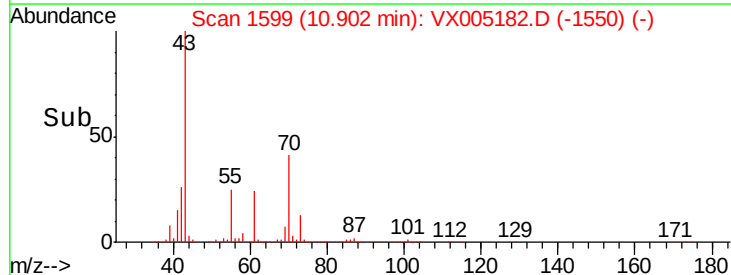
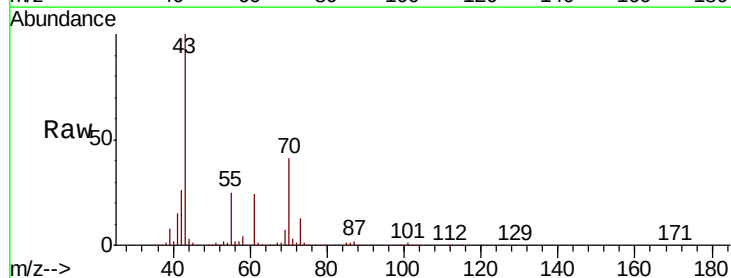
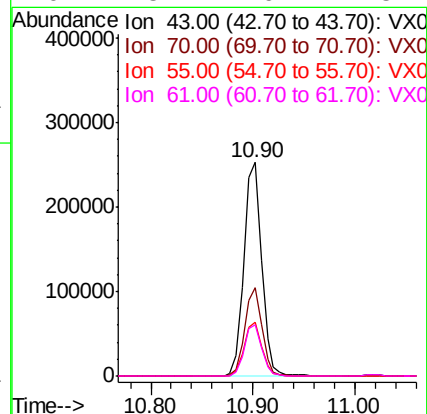
Ion Ratio Lower Upper

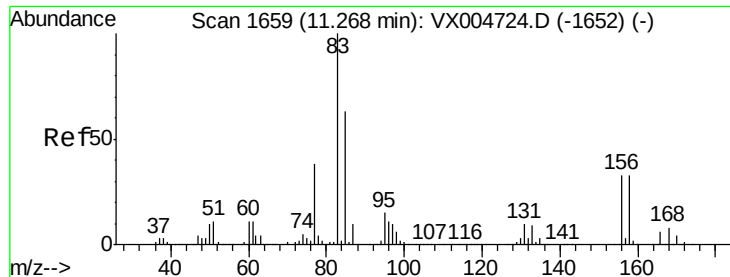
43 100

70 40.0 32.6 48.8

55 25.2 21.6 32.4

61 23.7 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.053 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

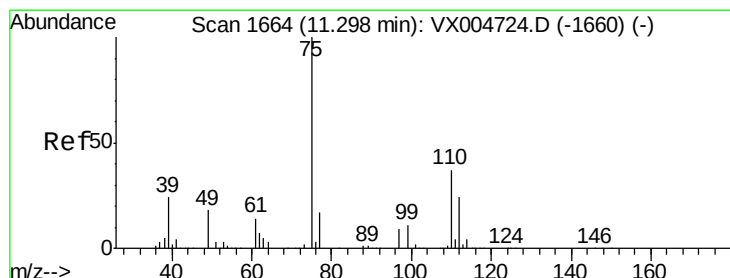
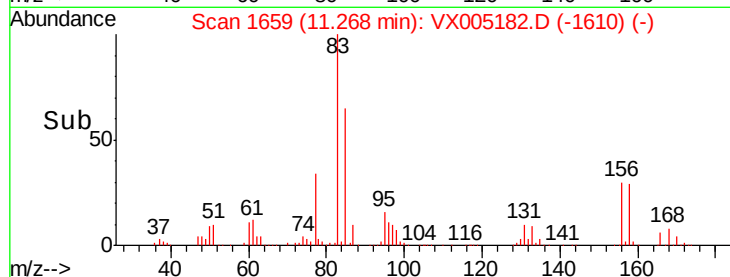
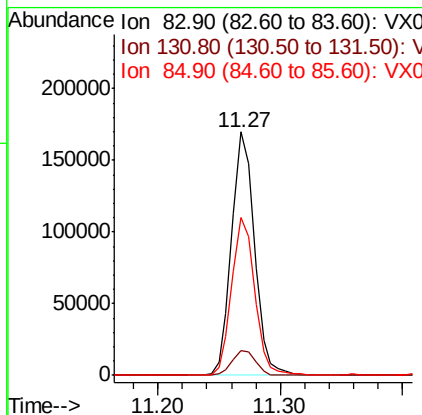
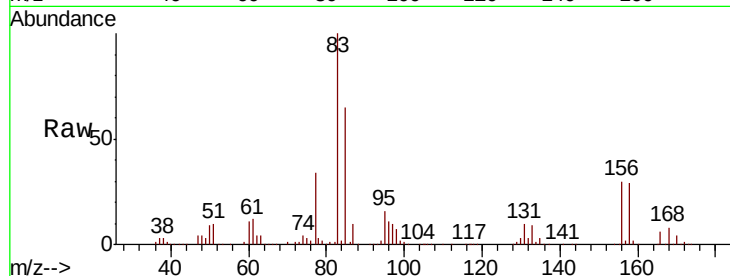
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	220748
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	64.9	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM



#76

1,2,3-Trichloropropane

Concen: 51.624 ug/l m

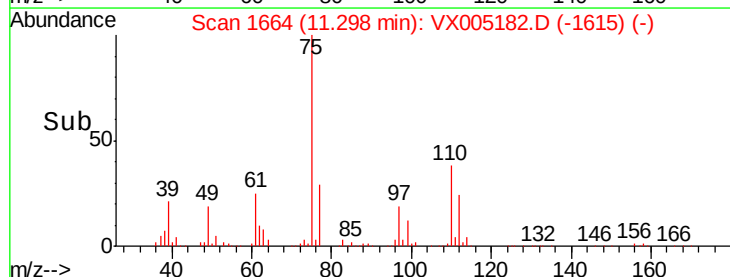
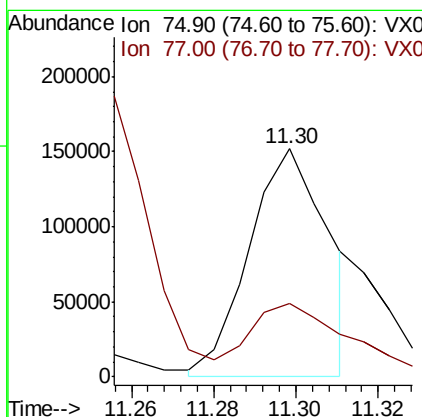
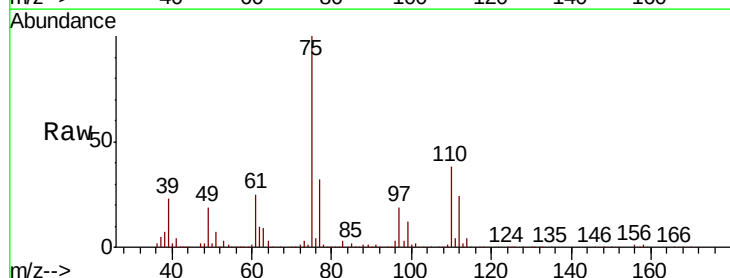
RT: 11.30 min Scan# 1664

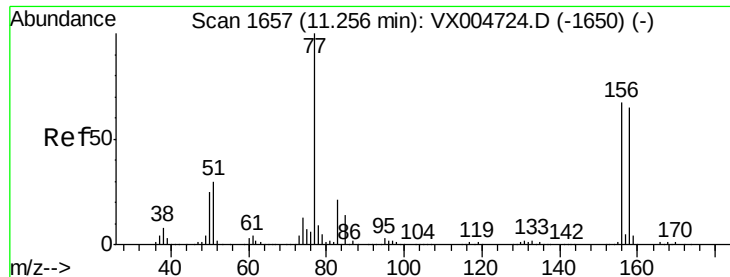
Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion:	75	Resp:	202944
Ion Ratio	Lower	Upper	
75	100		
77	40.8	21.4	64.3





#77

Bromobenzene

Concen: 51.832 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

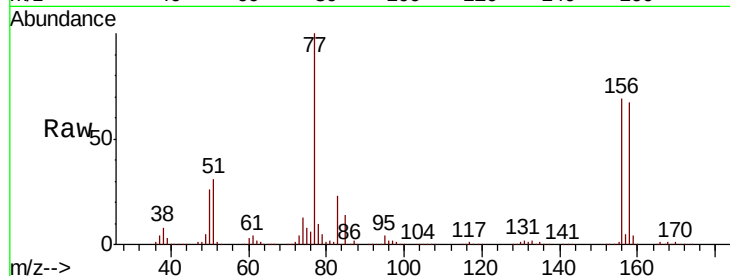
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.8	73.4	220.2
158	97.4	49.1	147.4

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM

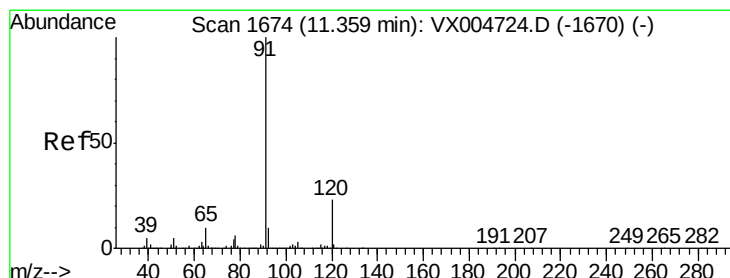
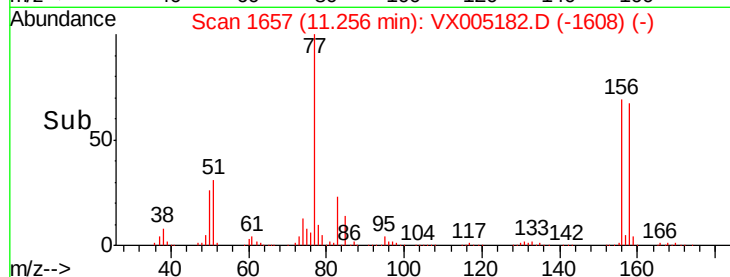
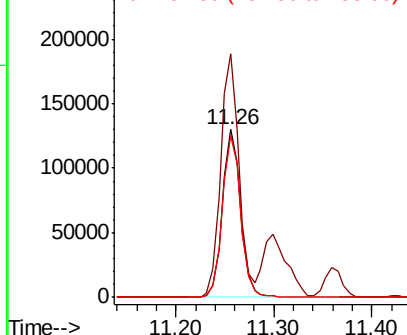


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.963 ug/l

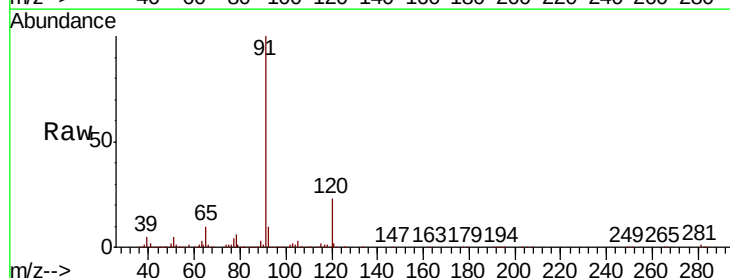
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

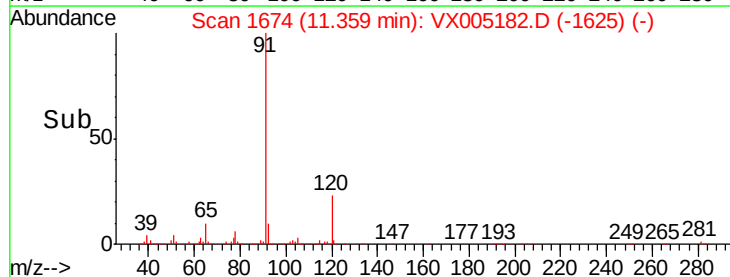
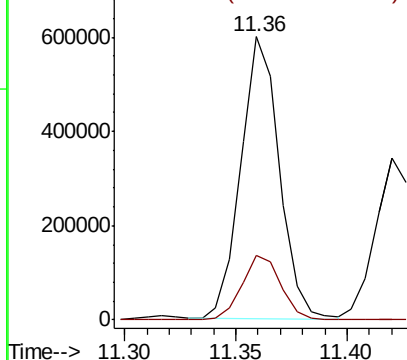
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	12.0	36.0

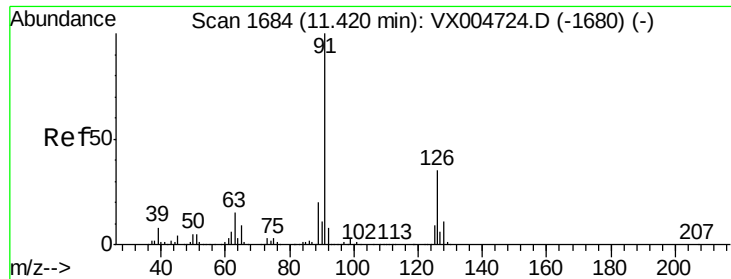


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





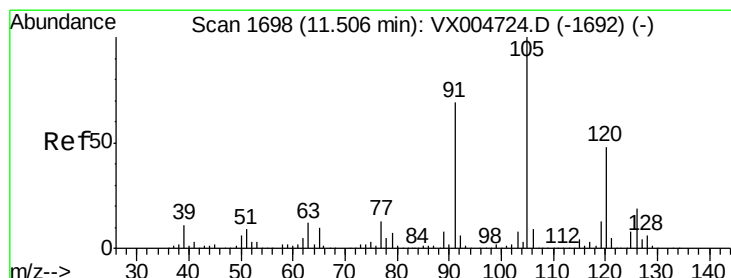
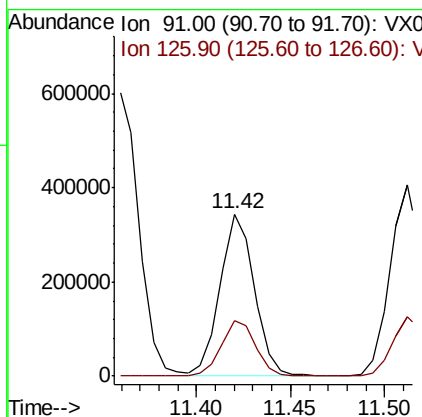
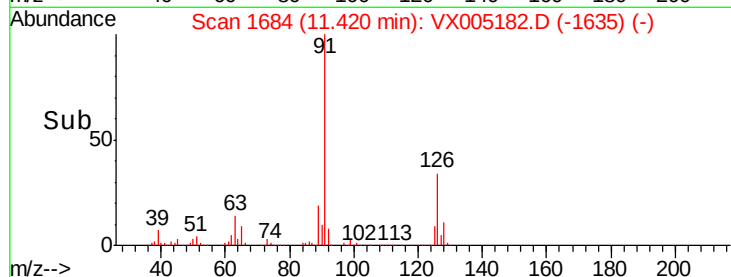
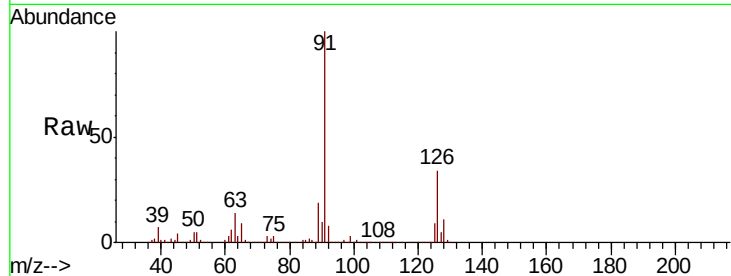
#79
 2-Chlorotoluene
 Concen: 54.170 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 428301
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.9

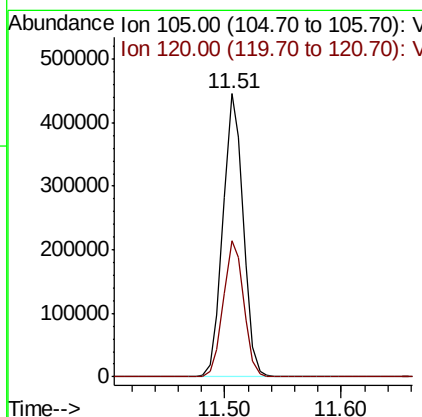
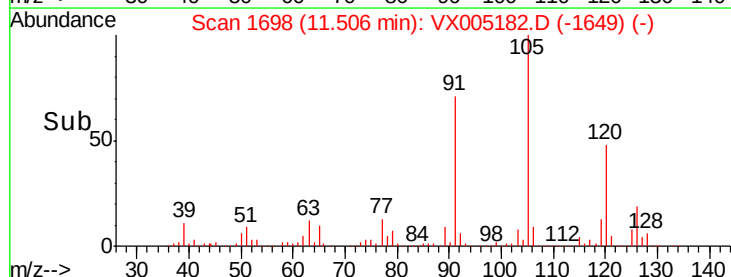
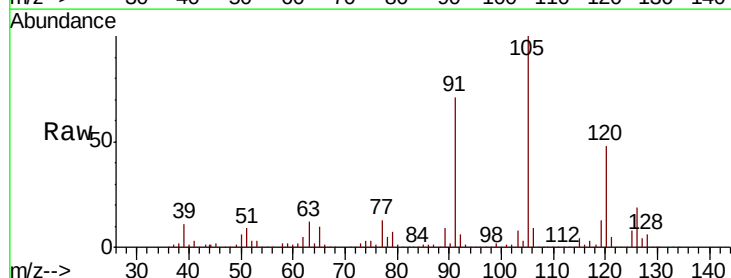
Manual Integrations
 APPROVED

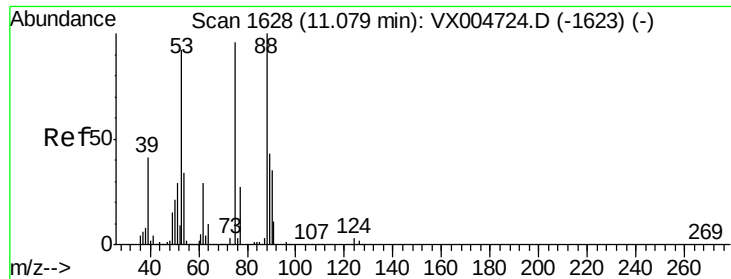
MMDadoda
 10/11/2018 5:02:09 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.899 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion: 105 Resp: 535890
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 39.901 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

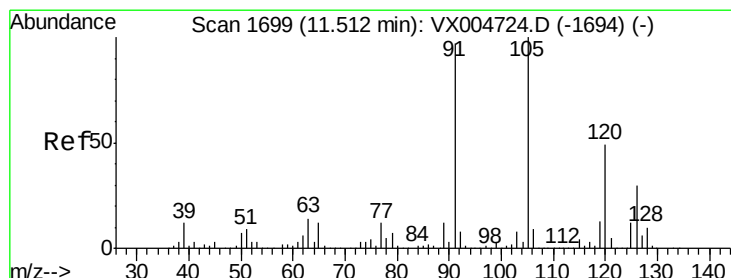
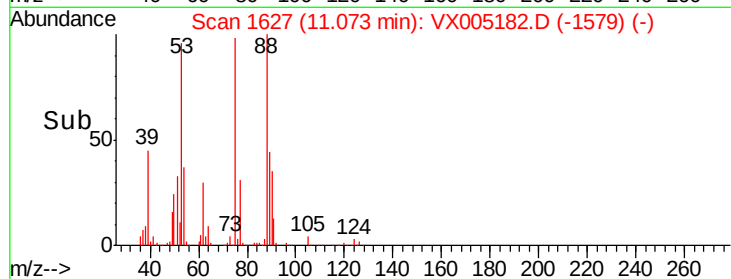
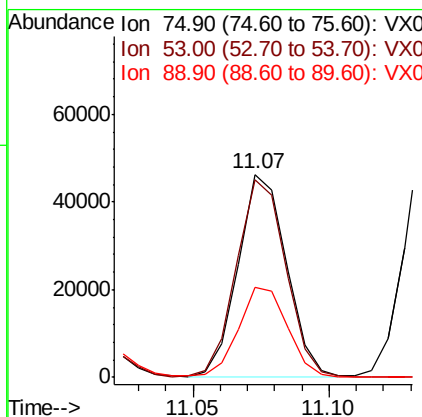
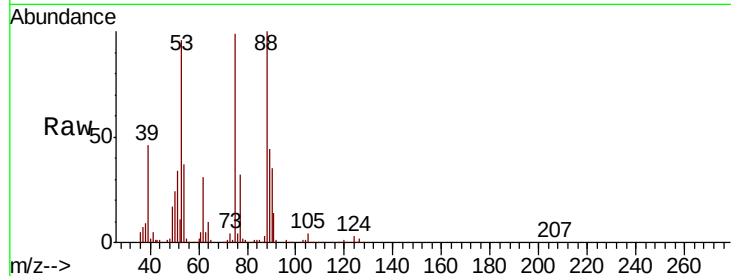
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	56910
Ion	Ratio	Lower	Upper
75	100		
53	99.9	80.2	120.4
89	45.5	37.1	55.7

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM



#82

4-Chlorotoluene

Concen: 54.430 ug/l

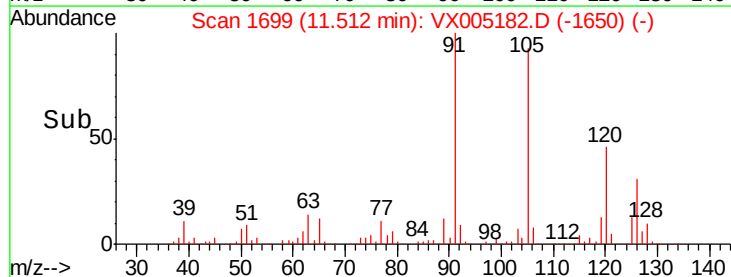
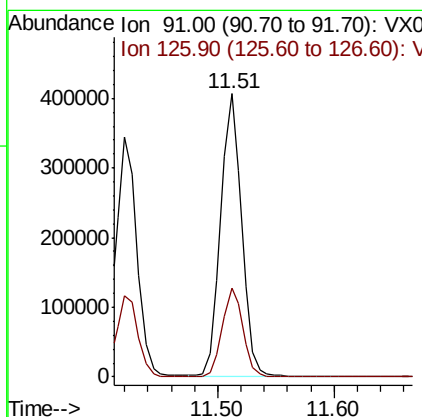
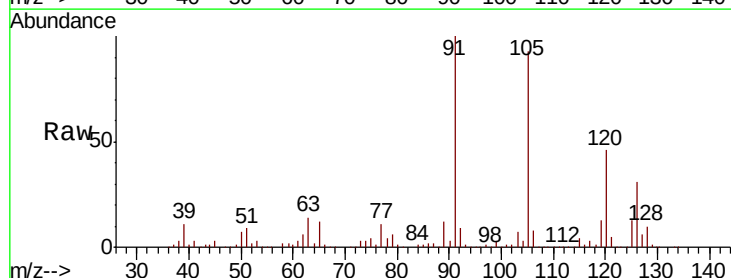
RT: 11.51 min Scan# 1699

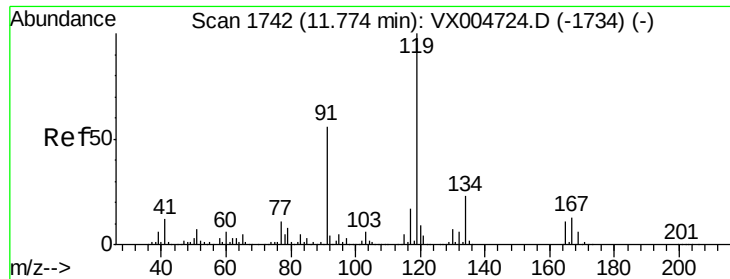
Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion:	91	Resp:	506544
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.5	46.5





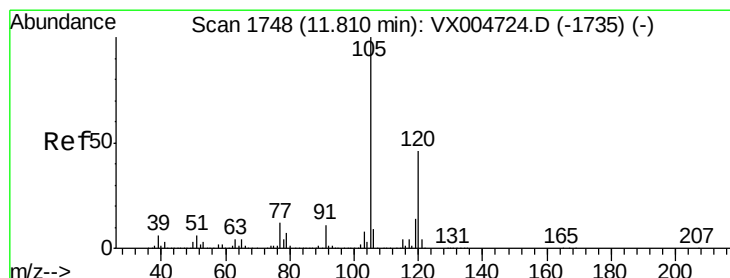
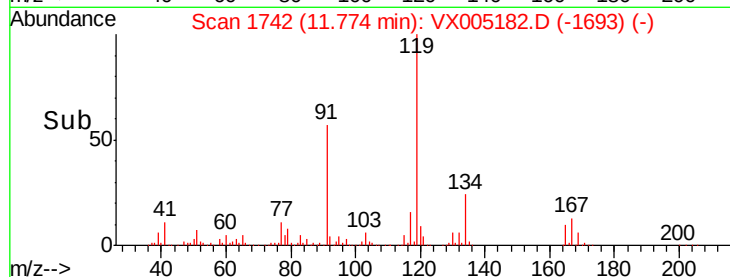
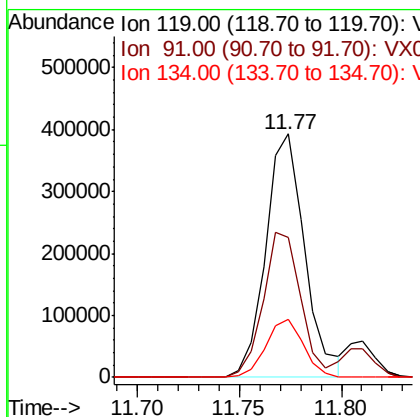
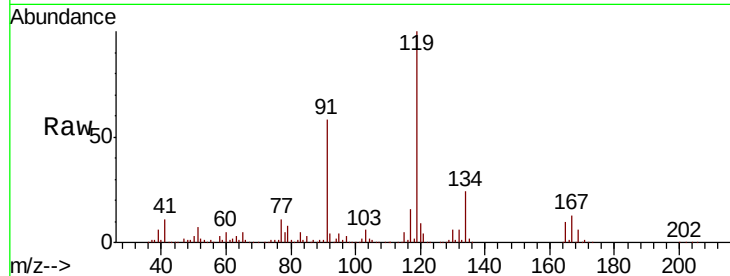
#83
 tert-Butylbenzene
 Concen: 57.466 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.2	27.5	82.5
134	23.1	11.5	34.4

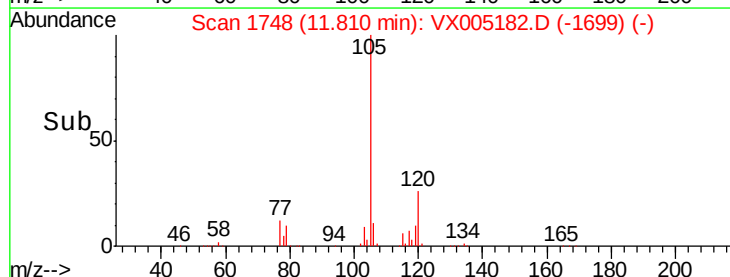
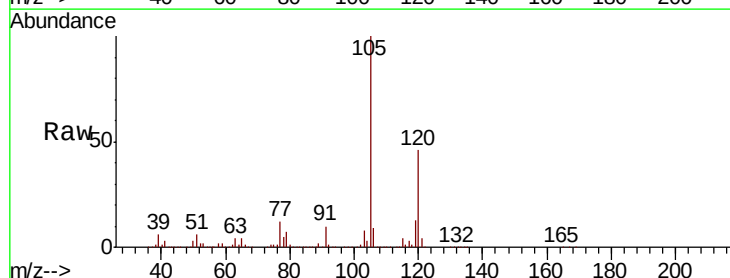
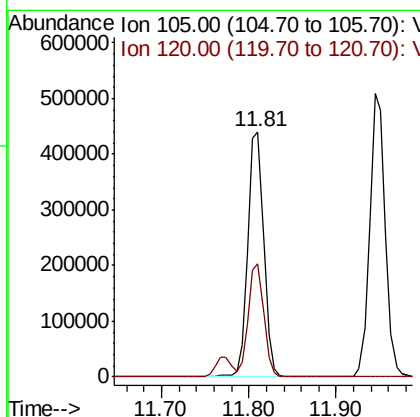
Manual Integrations
 APPROVED

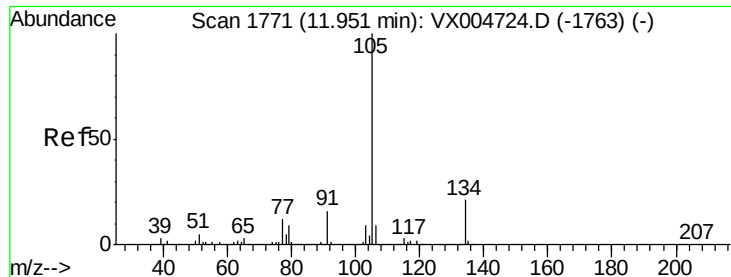
MMDadoda
 10/11/2018 5:02:09 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.764 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.8	68.3





#85

sec-Butylbenzene

Concen: 57.240 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 634601

Ion Ratio Lower Upper

105 100

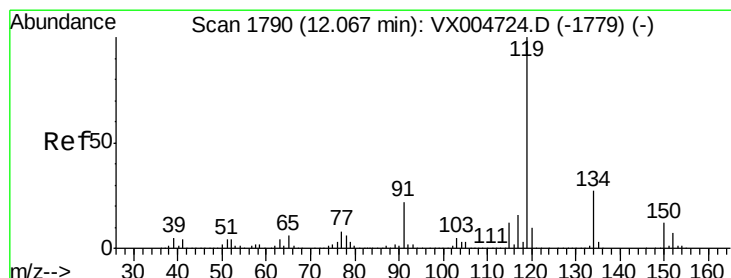
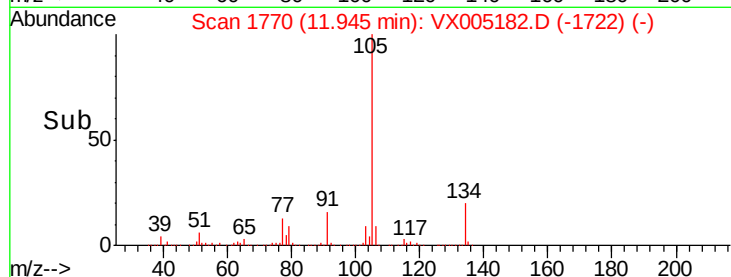
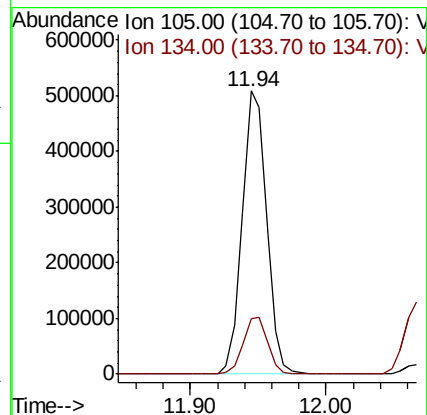
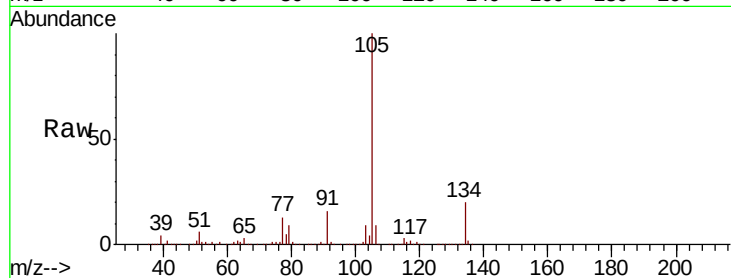
134 20.3 10.2 30.4

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:02:09 PM



#86

p-Isopropyltoluene

Concen: 56.904 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

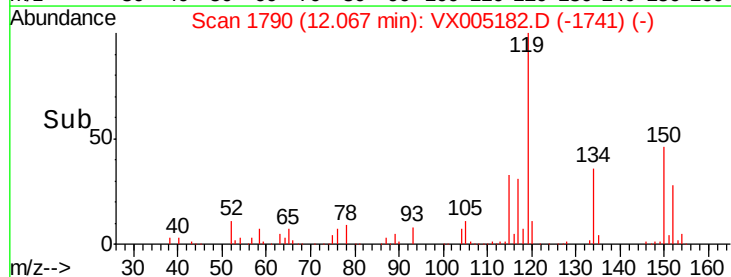
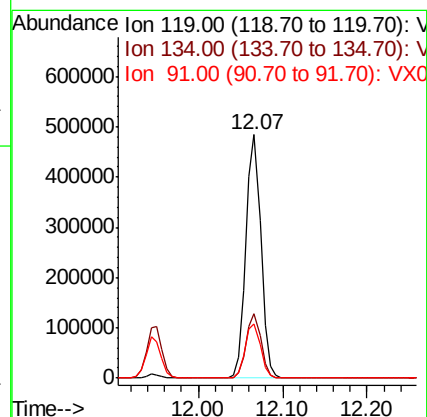
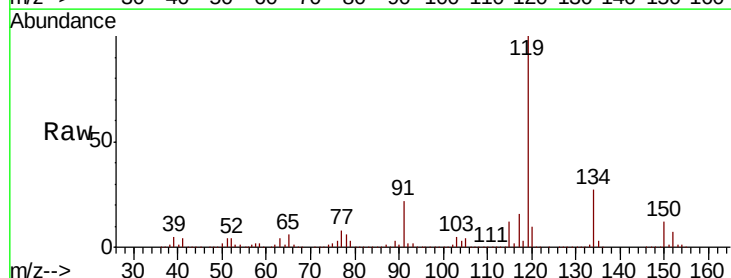
Tgt Ion:119 Resp: 571578

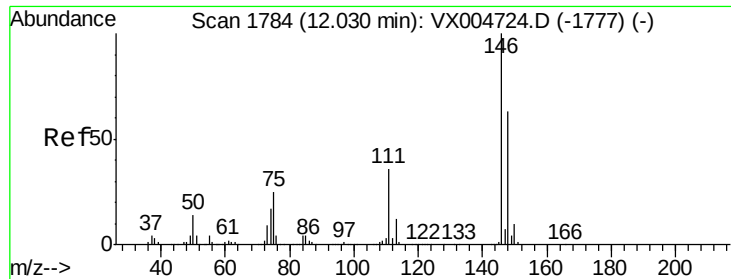
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.8 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 51.621 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

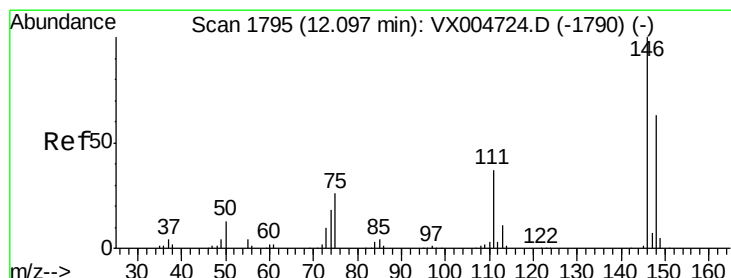
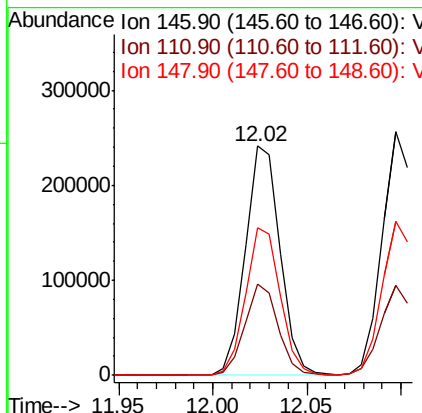
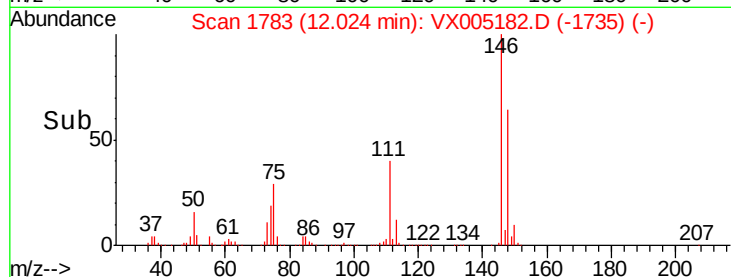
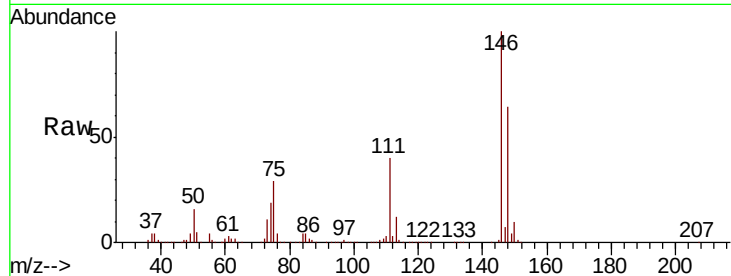
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	309518
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.9	56.9
148	64.2	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM



#88

1,4-Dichlorobenzene

Concen: 50.890 ug/l

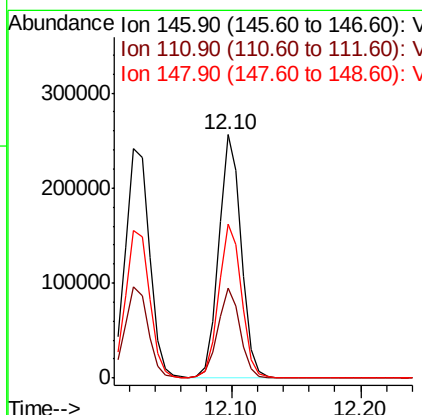
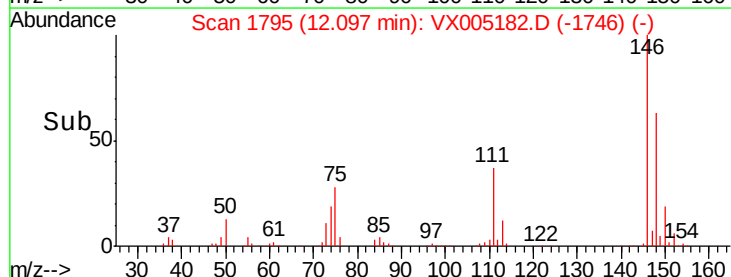
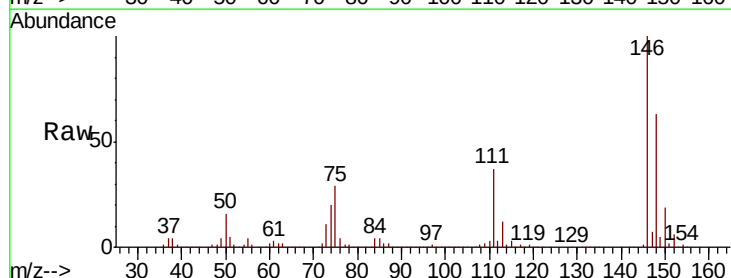
RT: 12.10 min Scan# 1795

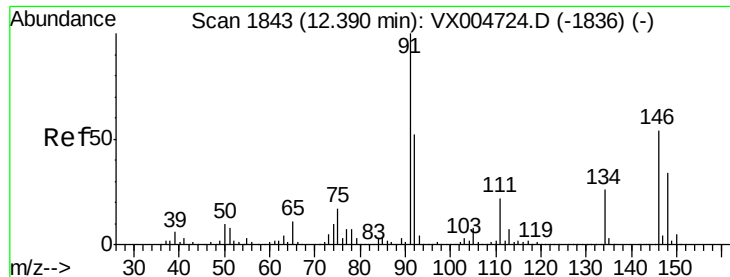
Delta R.T. -0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion:	146	Resp:	314990
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.4	55.2
148	64.5	32.0	96.0





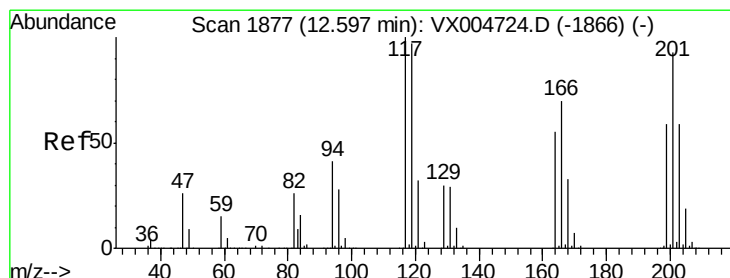
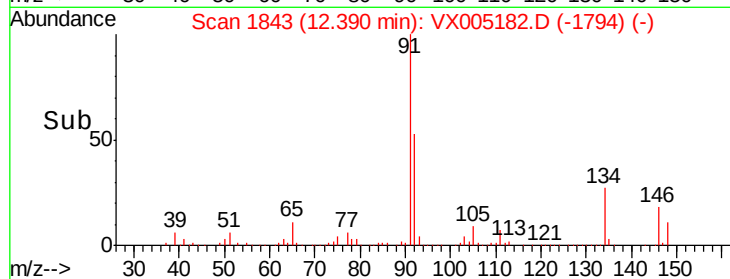
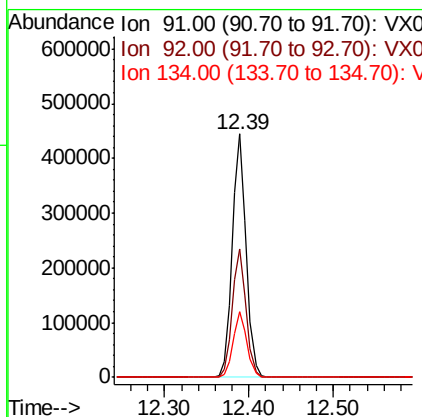
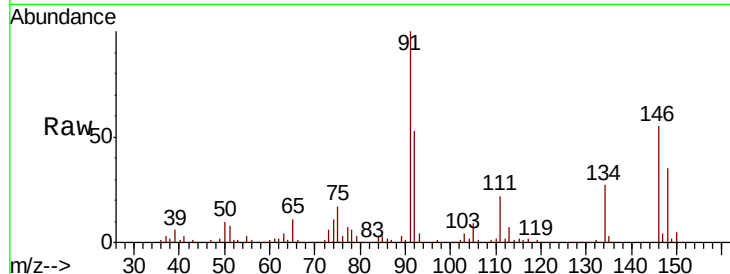
#89
n-Butylbenzene
Concen: 54.783 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	26.5	13.2	39.6

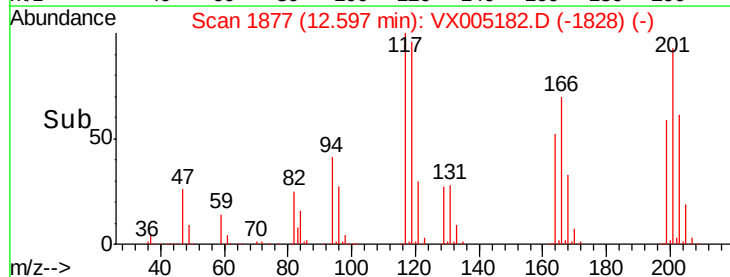
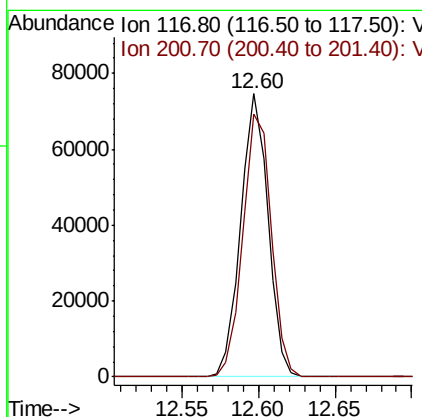
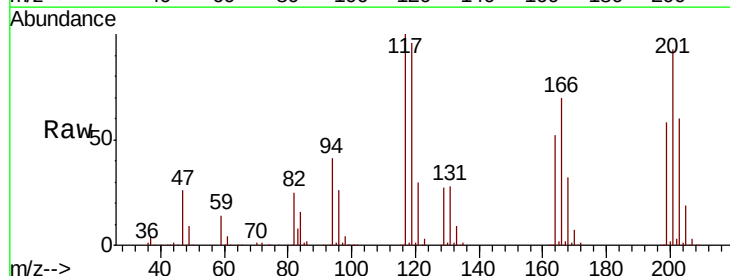
Manual Integrations
APPROVED

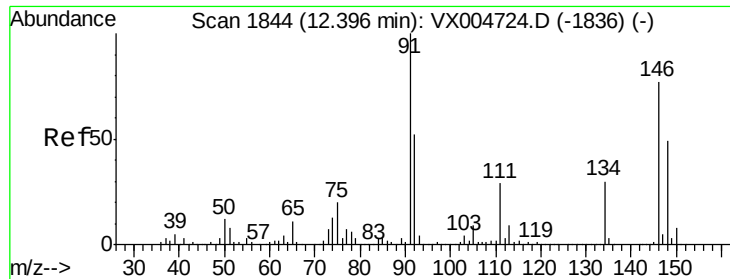
MMDadoda
10/11/2018 5:02:09 PM



#90
Hexachloroethane
Concen: 55.328 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.8	48.4	145.0





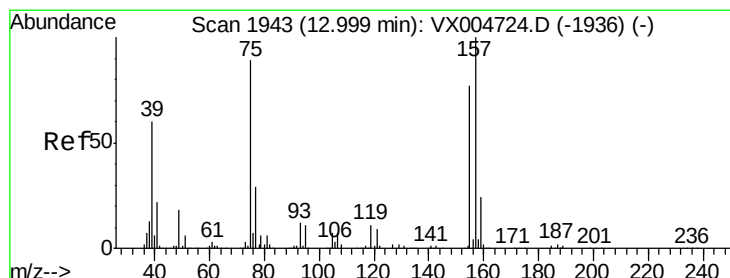
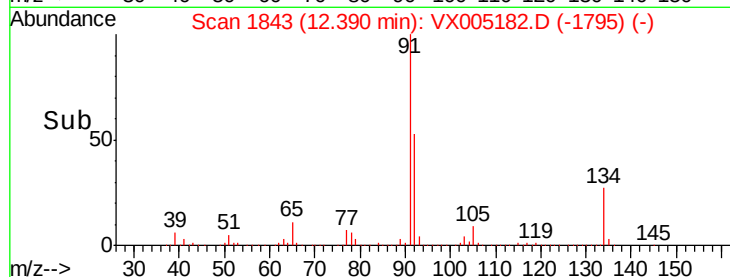
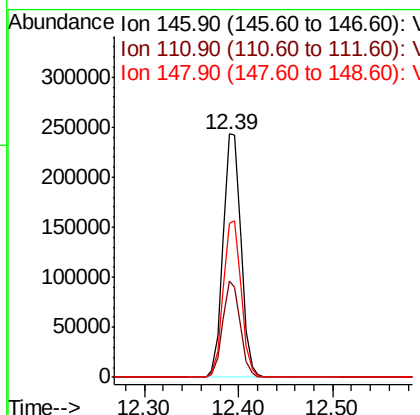
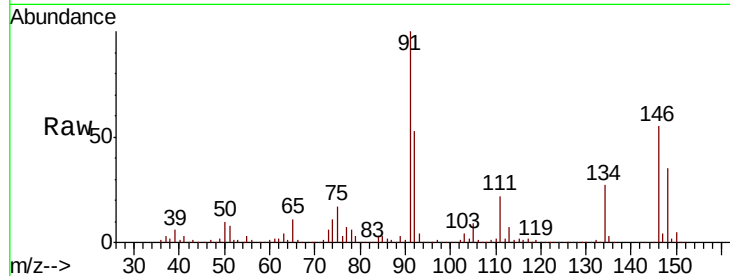
#91
 1,2-Dichlorobenzene
 Concen: 51.000 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	64.4	31.8	95.4

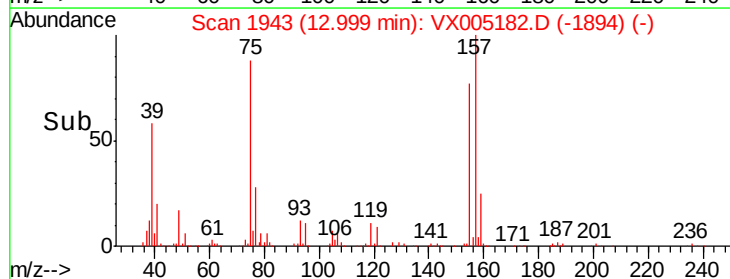
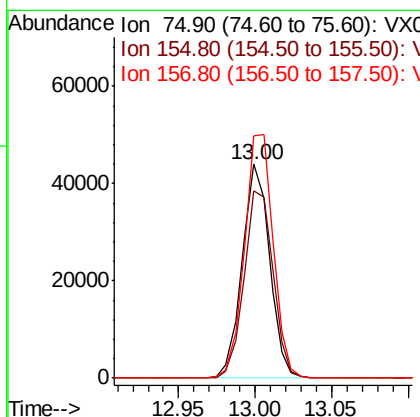
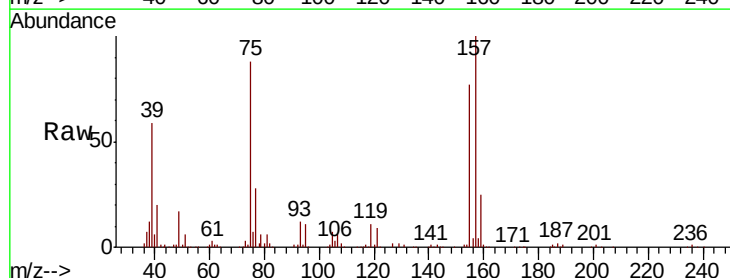
Manual Integrations
 APPROVED

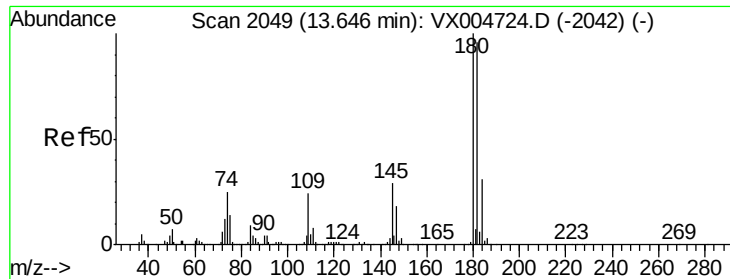
MMDadoda
 10/11/2018 5:02:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.381 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	46.1	138.3
157	119.1	60.2	180.6





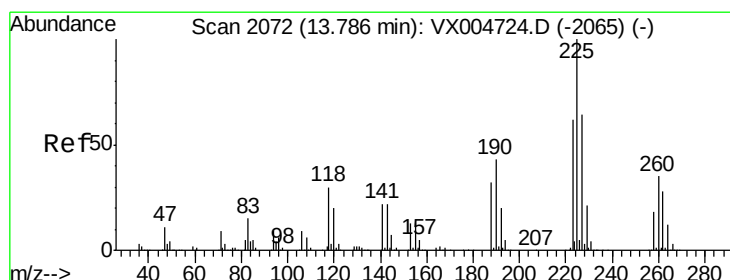
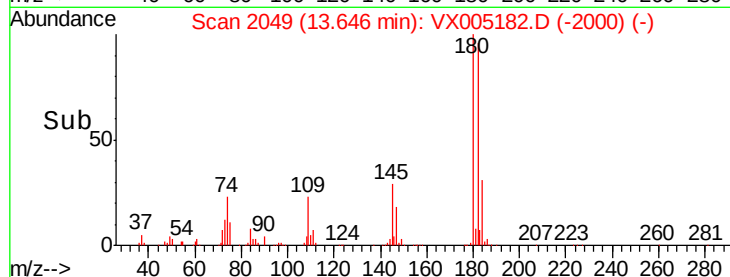
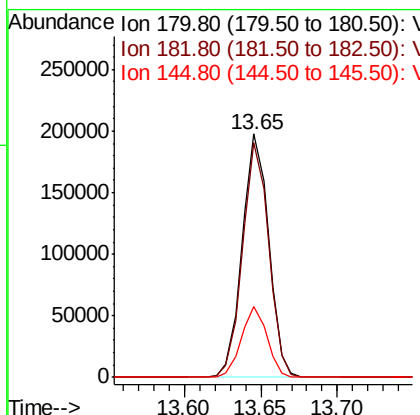
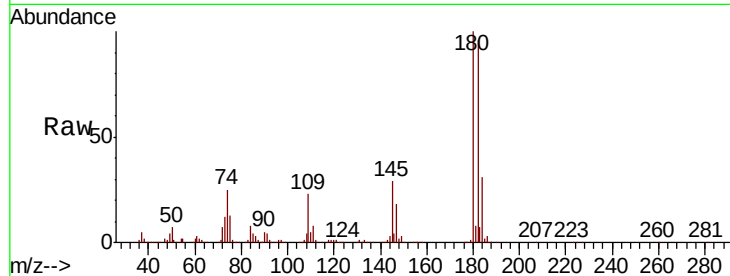
#93
 1,2,4-Trichlorobenzene
 Concen: 53.883 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.8	143.4	
145	28.1	14.1	42.4	

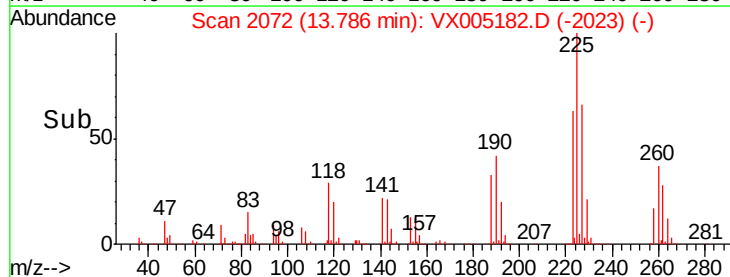
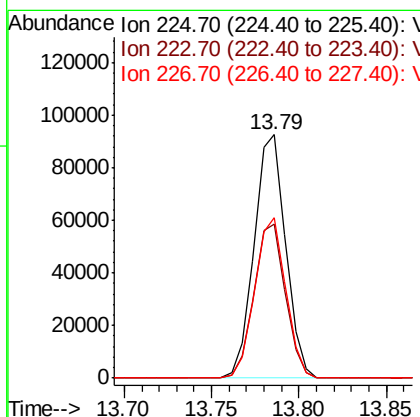
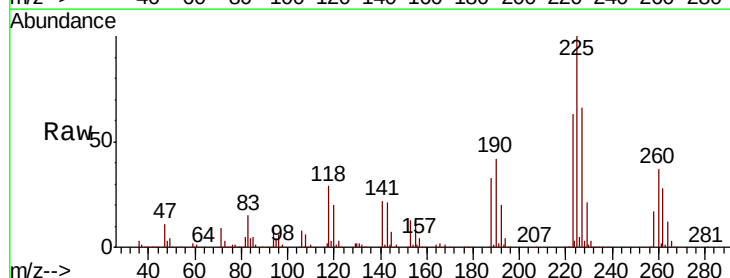
Manual Integrations
 APPROVED

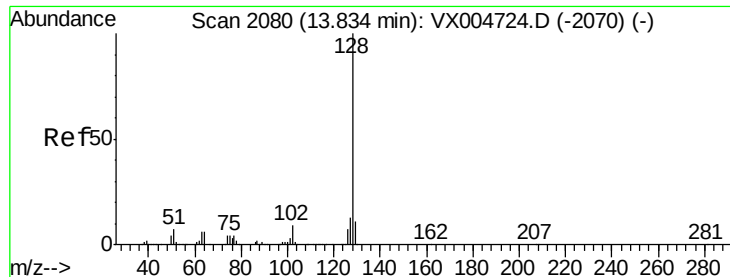
MMDadoda
 10/11/2018 5:02:09 PM



#94
 Hexachlorobutadiene
 Concen: 50.795 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.3	93.8	
227	64.7	31.9	95.5	





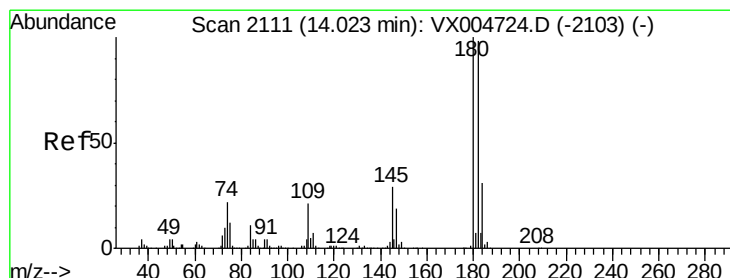
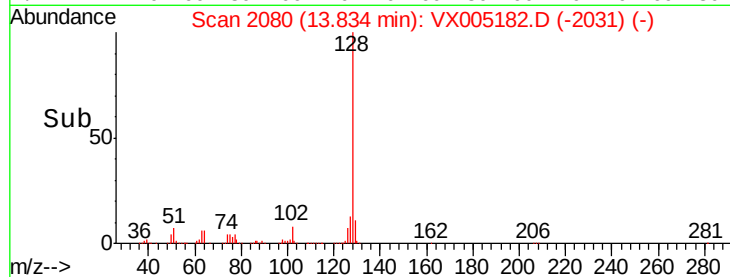
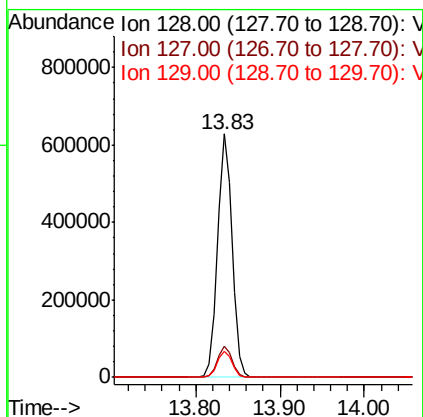
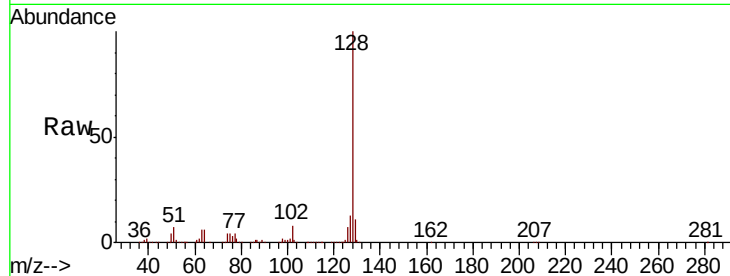
#95
Naphthalene
Concen: 51.764 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:02:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.889 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.8
145	29.9	15.0	45.0

