

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
 Data File : VX005112.D
 Acq On : 08 Oct 2018 08:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:46 PM

Quant Time: Oct 08 17:06:48 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	5.66	168	226839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	323164	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200793	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	149616	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
35) Dibromofluoromethane	5.49	113	123047	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
50) Toluene-d8	8.71	98	469249	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	11.14	95	178394	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	145598	47.08	ug/l	99
3) Chloromethane	1.32	50	159572	42.53	ug/l	99
4) Vinyl Chloride	1.40	62	161485	45.88	ug/l	99
5) Bromomethane	1.64	94	121063	58.01	ug/l	96
6) Chloroethane	1.71	64	93861	48.89	ug/l	97
7) Trichlorofluoromethane	1.92	101	216716	49.74	ug/l	93
8) Diethyl Ether	2.18	74	84924	44.87	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	125422	50.54	ug/l	99
10) Methyl Iodide	2.51	142	124341	37.44	ug/l	92
11) Tert butyl alcohol	3.07	59	202667	223.68	ug/l	99
12) 1,1-Dichloroethene	2.37	96	113935	46.35	ug/l	96
13) Acrolein	2.29	56	68621	106.45	ug/l	93
14) Allyl chloride	2.72	41	259778	48.44	ug/l	95
15) Acrylonitrile	3.15	53	462940	232.10	ug/l	96
16) Acetone	2.45	43	431008	227.83	ug/l	93
17) Carbon Disulfide	2.56	76	306680	41.52	ug/l	100
18) Methyl Acetate	2.78	43	269183	56.16	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	434156	51.21	ug/l	94
20) Methylene Chloride	2.85	84	133641	48.56	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	122459	45.51	ug/l	84
22) Diisopropyl ether	3.87	45	480098	53.16	ug/l	95
23) Vinyl Acetate	3.82	43	2095881	253.55	ug/l	97
24) 1,1-Dichloroethane	3.69	63	251394	46.67	ug/l	100
25) 2-Butanone	4.70	43	616418	221.05	ug/l	98
26) 2,2-Dichloropropane	4.58	77	193434	51.57	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	135183	44.97	ug/l	93
28) Bromochloromethane	5.01	49	110794	43.68	ug/l	99
29) Tetrahydrofuran	5.15	42	395157	227.99	ug/l	98
30) Chloroform	5.21	83	228997	44.98	ug/l	96
31) Cyclohexane	5.57	56	202619	49.14	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	199687	48.03	ug/l	95
36) 1,1-Dichloropropene	5.79	75	171189	45.81	ug/l	94
37) Ethyl Acetate	4.85	43	218863	44.12	ug/l	98
38) Carbon Tetrachloride	5.78	117	176247	44.87	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX100818\
 Data File : VX005112.D
 Acq On : 08 Oct 2018 08:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:46 PM

Quant Time: Oct 08 17:06:48 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	202944	53.19	ug/l	87
40) Benzene	6.14	78	510961	43.68	ug/l	95
41) Methacrylonitrile	5.06	41	124515	45.26	ug/l	98
42) 1,2-Dichloroethane	6.20	62	182045	44.02	ug/l	98
43) Isopropyl Acetate	6.46	43	330788	46.20	ug/l	96
44) Trichloroethene	7.21	130	138252	48.07	ug/l	97
45) 1,2-Dichloropropane	7.51	63	138840	48.39	ug/l	99
46) Dibromomethane	7.66	93	88955	49.34	ug/l	100
47) Bromodichloromethane	7.90	83	175234	51.91	ug/l	98
48) Methyl methacrylate	7.77	41	174820	53.80	ug/l	99
49) 1,4-Dioxane	7.76	88	71921	890.87	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1183509	262.54	ug/l	99
52) Toluene	8.79	92	323108	50.26	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	201839	52.91	ug/l	91
54) cis-1,3-Dichloropropene	8.43	75	215115	53.84	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	137436	48.81	ug/l	96
56) Ethyl methacrylate	9.18	69	215309	47.29	ug/l	98
57) 1,3-Dichloropropane	9.37	76	228050	48.66	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	552144	228.85	ug/l	99
59) 2-Hexanone	9.49	43	947826	252.32	ug/l	95
60) Dibromochloromethane	9.59	129	144164	51.19	ug/l	100
61) 1,2-Dibromoethane	9.67	107	139417	46.23	ug/l	95
64) Tetrachloroethene	9.34	164	140392	46.34	ug/l	96
65) Chlorobenzene	10.14	112	367822	46.60	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	135726	48.91	ug/l	100
67) Ethyl Benzene	10.25	91	629331	50.22	ug/l	94
68) m/p-Xylenes	10.36	106	493645	100.81	ug/l	96
69) o-Xylene	10.70	106	234808	52.21	ug/l	100
70) Styrene	10.71	104	403851	48.09	ug/l	99
71) Bromoform	10.86	173	120784	50.84	ug/l	96
73) Isopropylbenzene	11.02	105	649835	51.34	ug/l	99
74) N-amyl acetate	10.90	43	308924	44.60	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	226274	43.92	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	211712m	47.04	ug/l	
77) Bromobenzene	11.26	156	171706	46.71	ug/l	99
78) n-propylbenzene	11.36	91	761021	52.41	ug/l	100
79) 2-Chlorotoluene	11.42	91	446062	49.28	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	561762	48.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	69391	42.37	ug/l	95
82) 4-Chlorotoluene	11.51	91	532700	50.00	ug/l	99
83) tert-Butylbenzene	11.77	119	562384	53.97	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	578548	48.36	ug/l	99
85) sec-Butylbenzene	11.94	105	677852	53.41	ug/l	100
86) p-Isopropyltoluene	12.07	119	617654	53.71	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	330421	48.14	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	336438	47.48	ug/l	100
89) n-Butylbenzene	12.39	91	564726	54.07	ug/l	99
90) Hexachloroethane	12.60	117	99712	52.08	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	332985	46.42	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	54667	48.33	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
Data File : VX005112.D
Acq On : 08 Oct 2018 08:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM

Quant Time: Oct 08 17:06:48 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	262883	52.24	ug/l	99
94) Hexachlorobutadiene	13.78	225	133504	51.16	ug/l	99
95) Naphthalene	13.83	128	784364	47.01	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	264038	50.79	ug/l	99

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

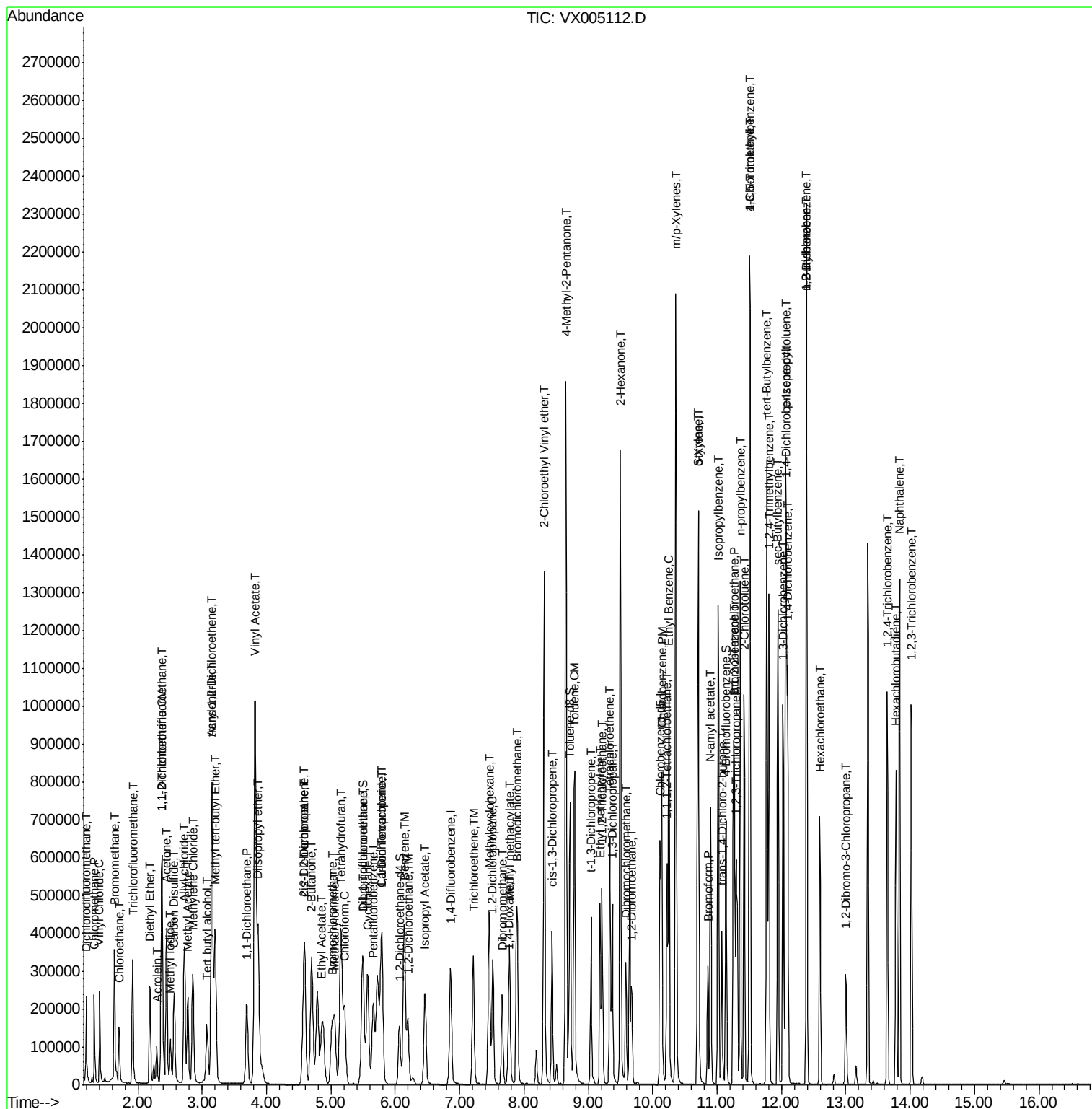
```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
Data File : VX005112.D
Acq On    : 08 Oct 2018   08:18
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2      Sample Multiplier: 1
```

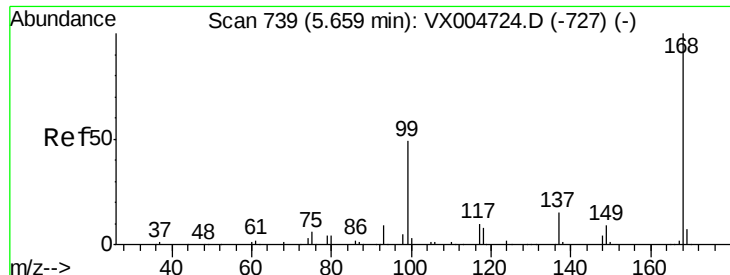
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

MMDadoda
10/9/2018 1:47:46 PM

Quant Time: Oct 08 17:06:48 2018
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 226839

Ion Ratio Lower Upper

168 100

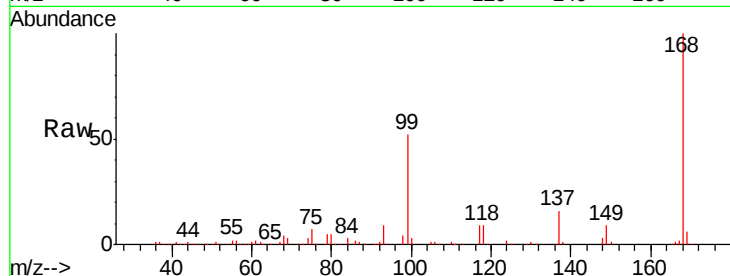
99 51.4 39.3 58.9

Manual Integrations

APPROVED

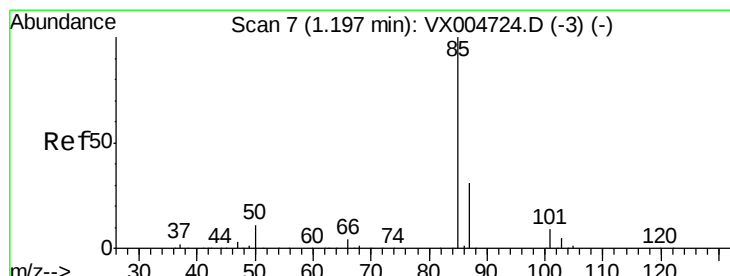
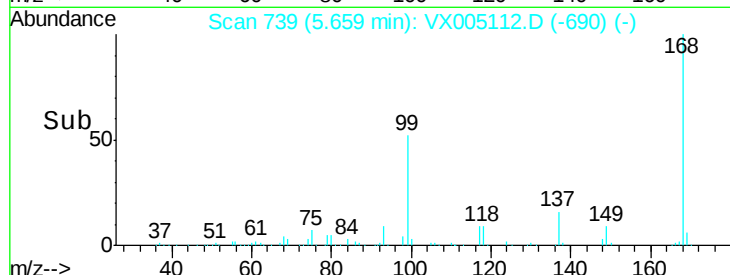
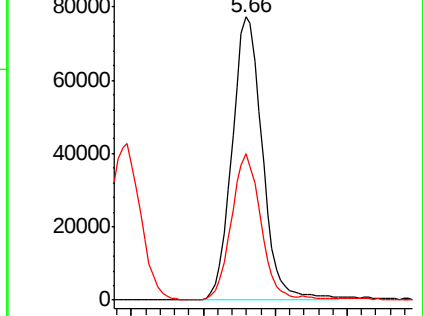
MMDadoda

10/9/2018 1:47:46 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.08 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005112.D

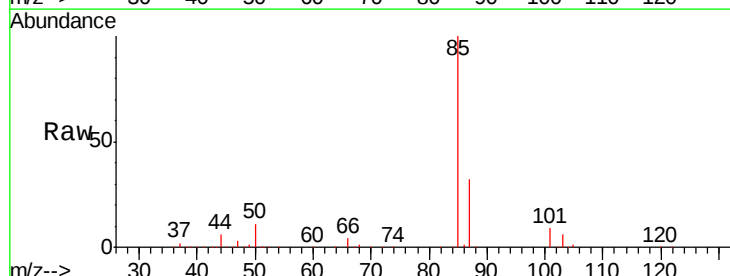
Acq: 08 Oct 2018 08:18

Tgt Ion: 85 Resp: 145598

Ion Ratio Lower Upper

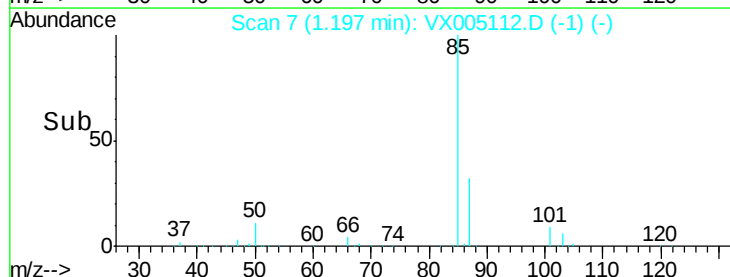
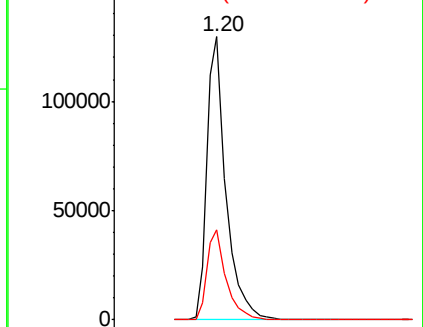
85 100

87 31.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 42.53 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 159572

Ion Ratio Lower Upper

50 100

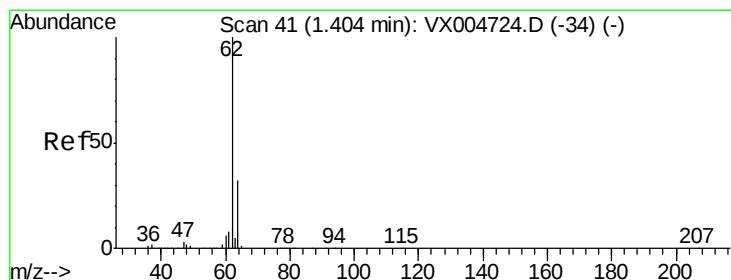
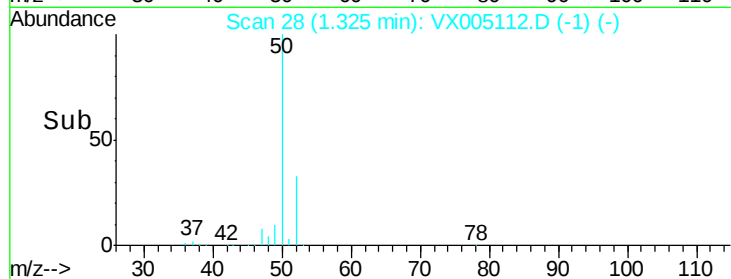
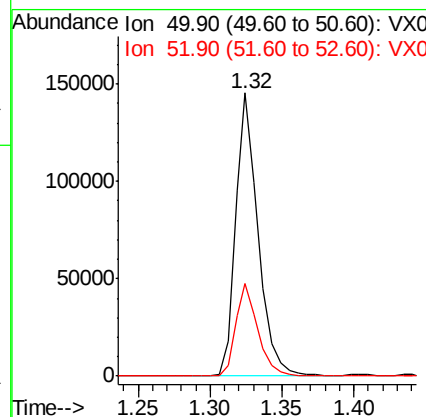
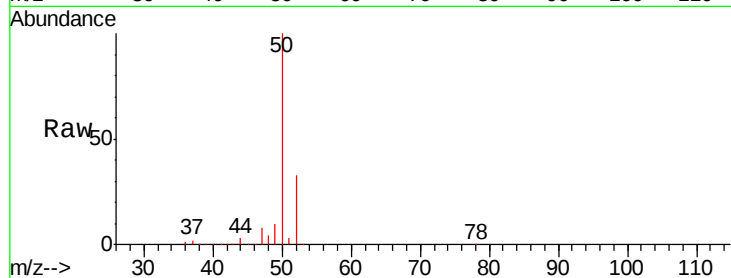
52 32.7 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/9/2018 1:47:46 PM



#4

Vinyl Chloride

Concen: 45.88 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005112.D

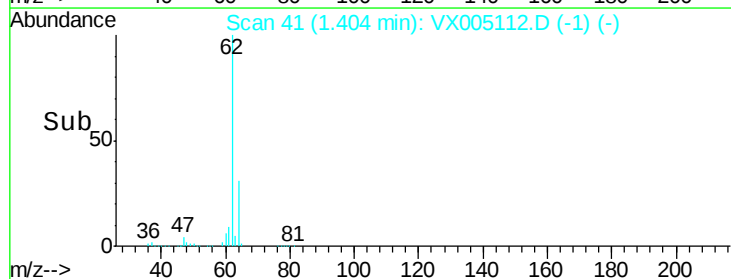
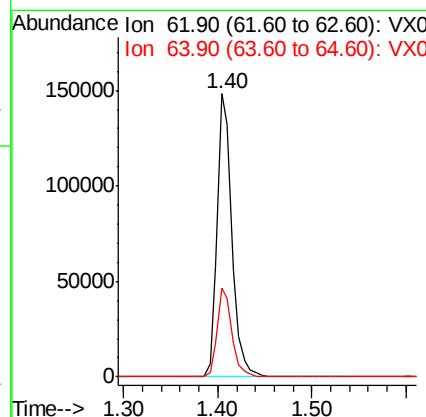
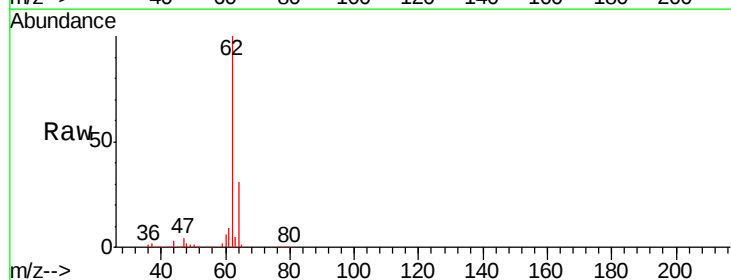
Acq: 08 Oct 2018 08:18

Tgt Ion: 62 Resp: 161485

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 58.01 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 121063

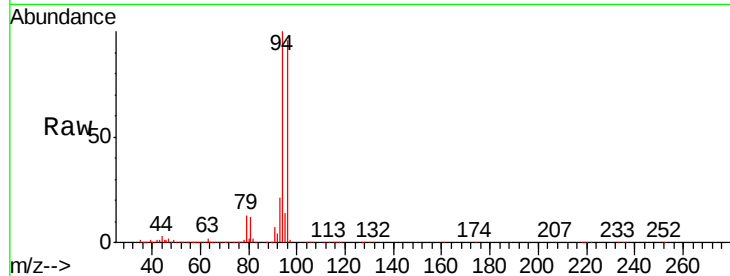
Ion Ratio Lower Upper

94 100

96 95.8 79.5 119.3

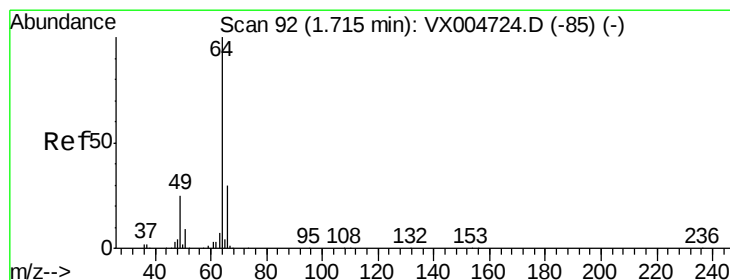
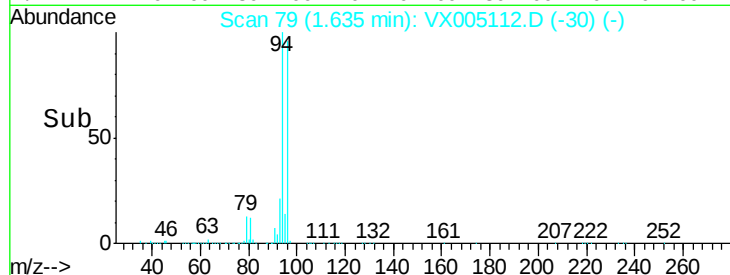
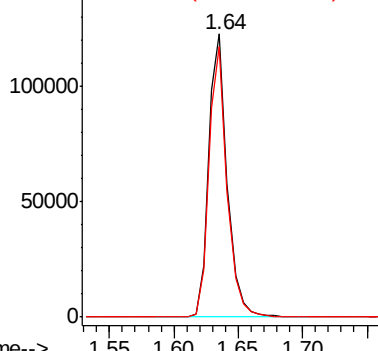
Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.89 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005112.D

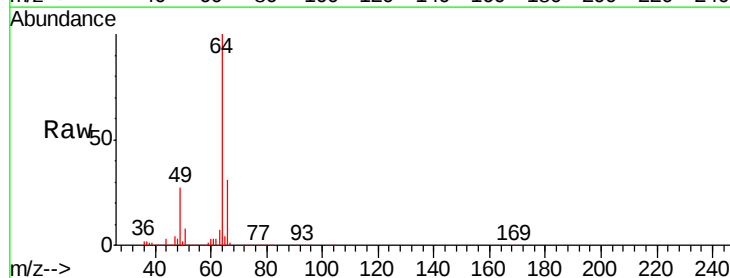
Acq: 08 Oct 2018 08:18

Tgt Ion: 64 Resp: 93861

Ion Ratio Lower Upper

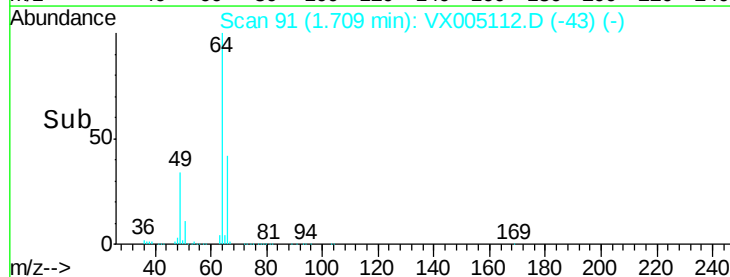
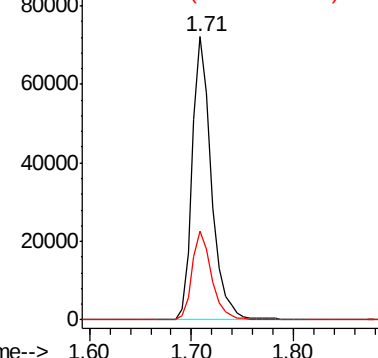
64 100

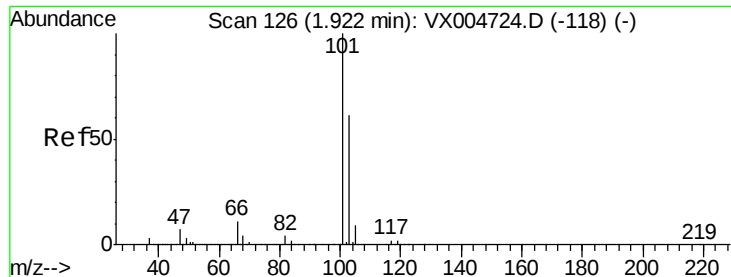
66 31.3 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

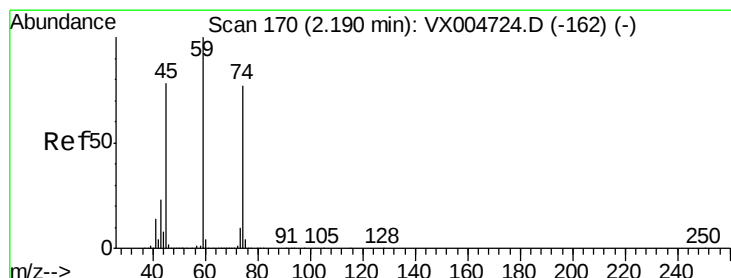
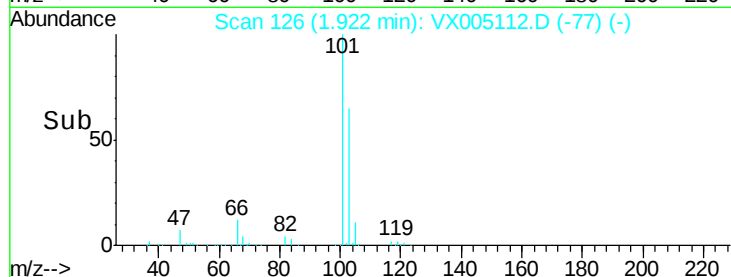
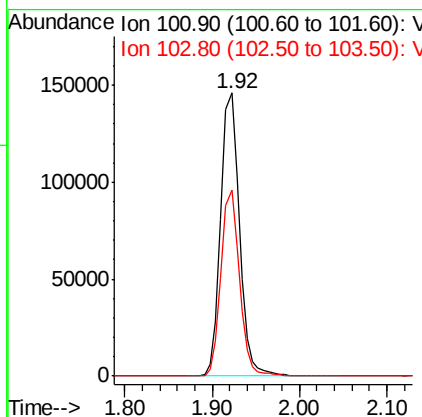
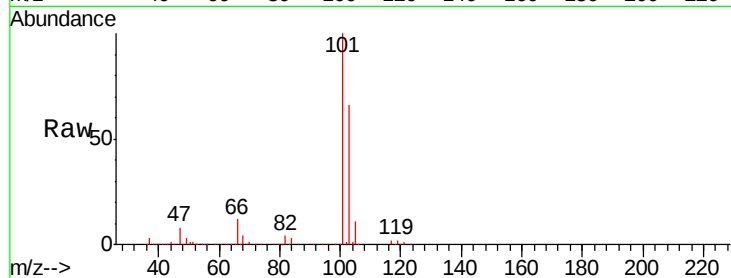
Trichlorofluoromethane
Concen: 49.74 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.5	48.4	72.6

Manual Integrations
APPROVED

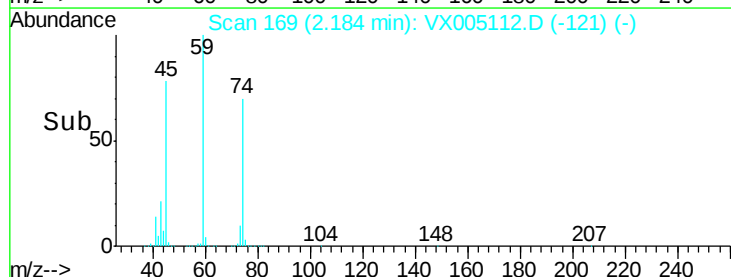
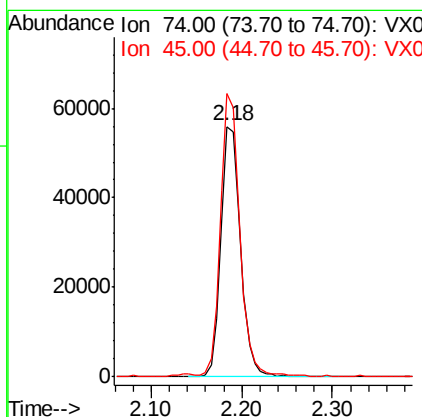
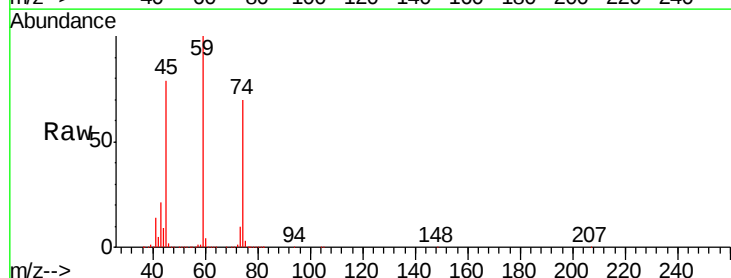
MMDadoda
10/9/2018 1:47:46 PM

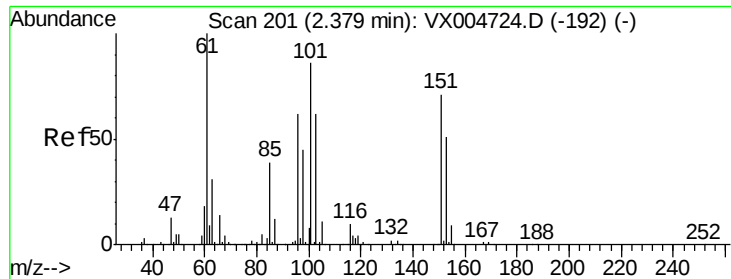


#8

Diethyl Ether
Concen: 44.87 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.6	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.54 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

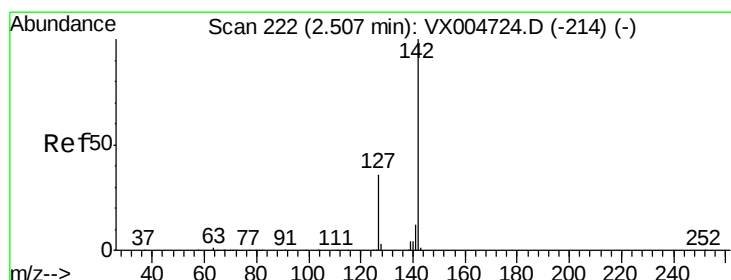
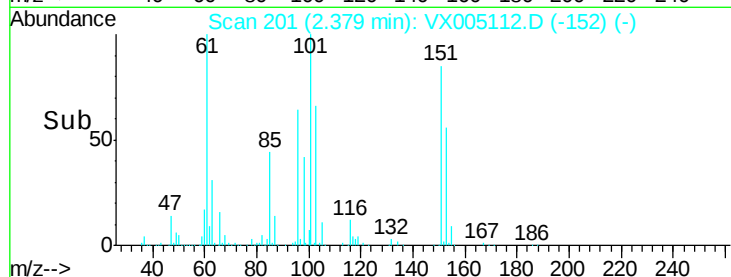
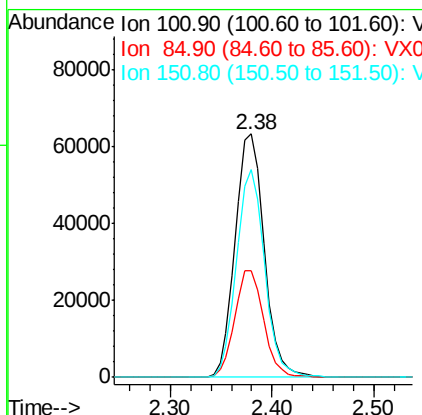
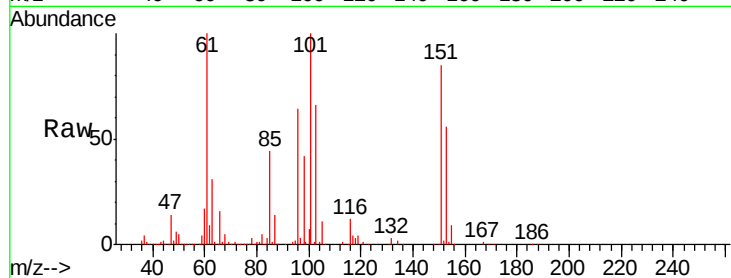
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	125422
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.9	53.9
151	82.8	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#10

Methyl Iodide

Concen: 37.44 ug/l

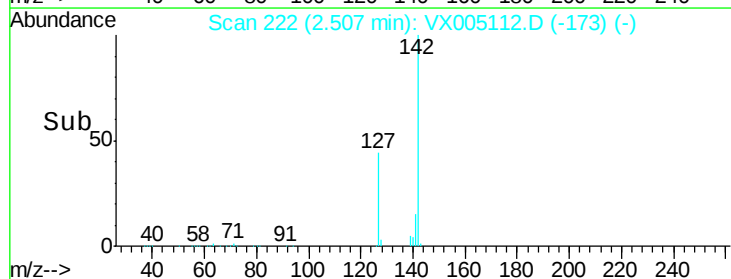
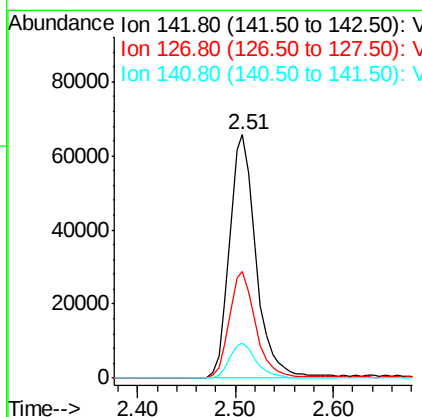
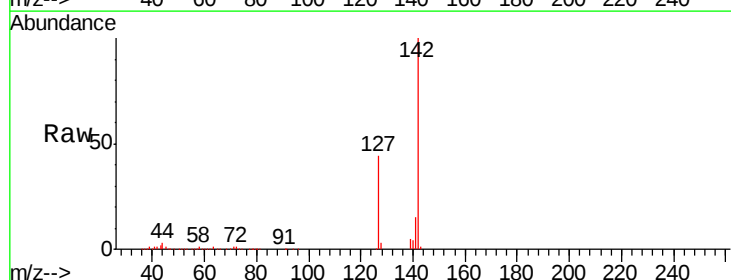
RT: 2.51 min Scan# 222

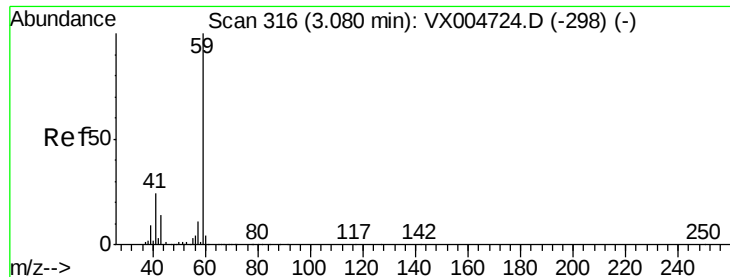
Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion:	142	Resp:	124341
Ion Ratio	Lower	Upper	
142	100		
127	43.4	30.1	45.1
141	14.4	10.1	15.1





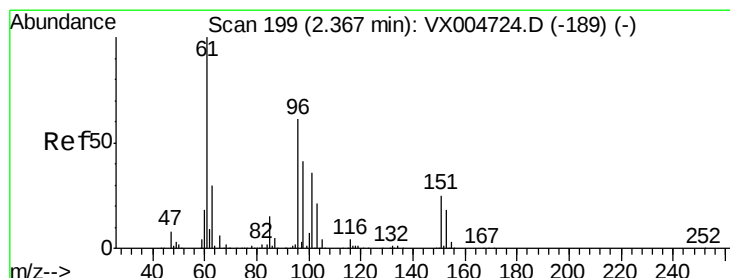
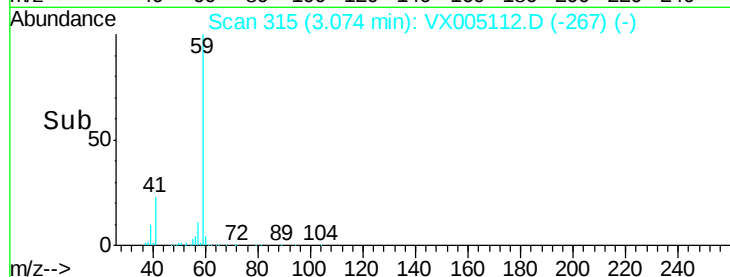
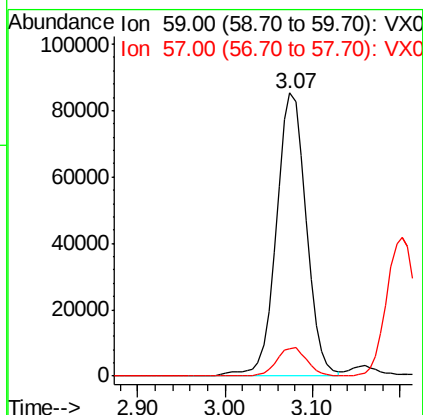
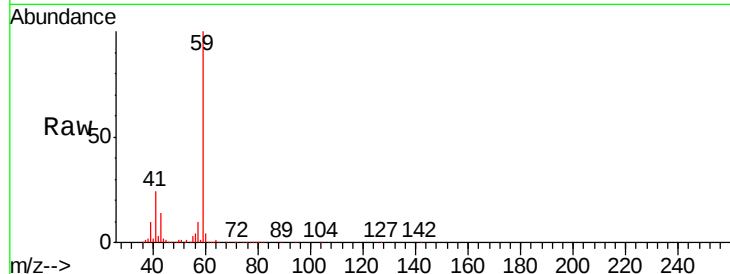
#11
Tert butyl alcohol
Concen: 223.68 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 202667
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8

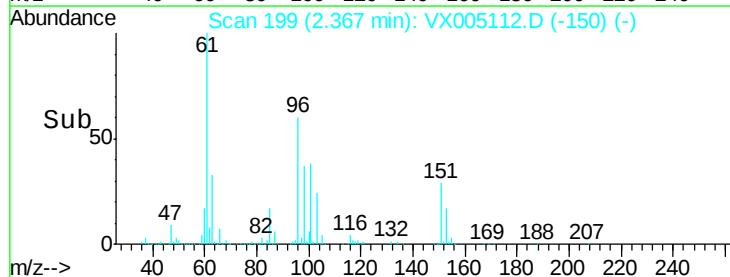
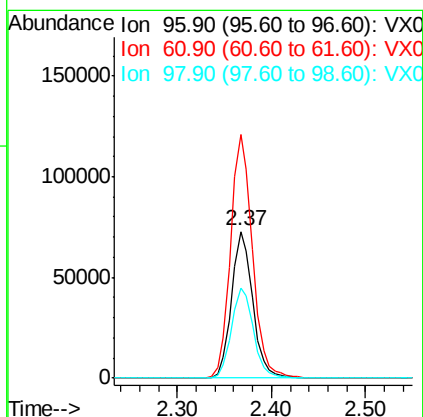
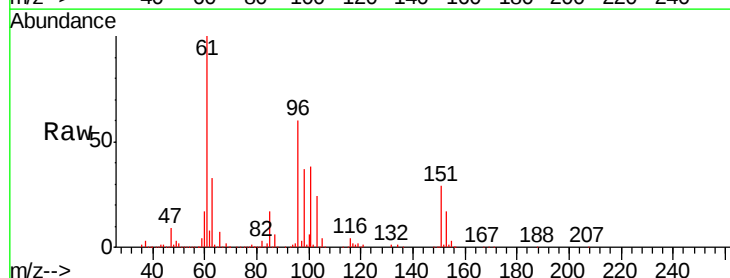
Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#12
1,1-Dichloroethene
Concen: 46.35 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion: 96 Resp: 113935
Ion Ratio Lower Upper
96 100
61 166.3 130.2 195.4
98 61.8 53.4 80.0





#13

Acrolein

Concen: 106.45 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 68621

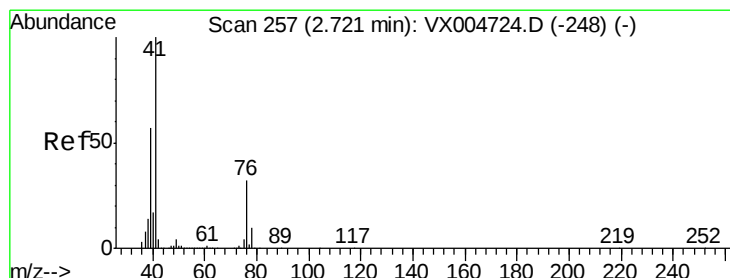
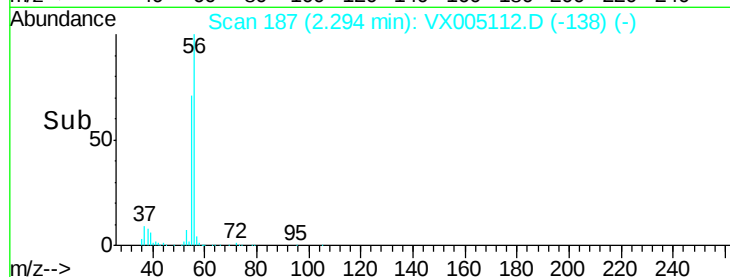
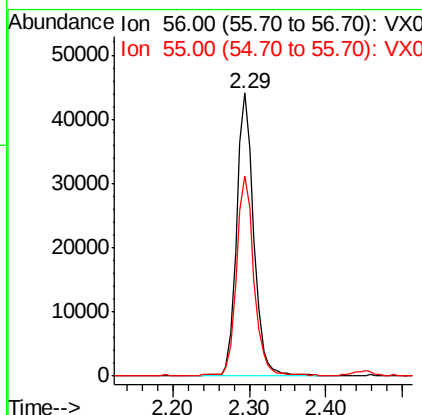
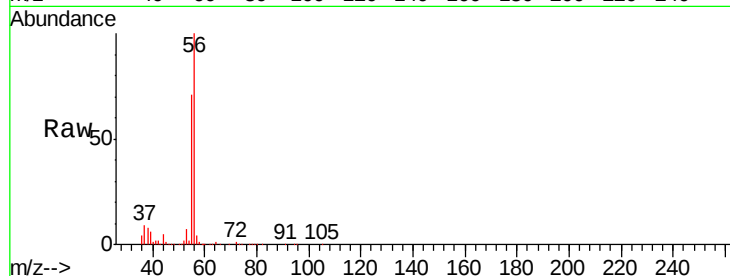
Ion Ratio Lower Upper

56 100

55 72.7 63.4 95.2

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#14

Allyl chloride

Concen: 48.44 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

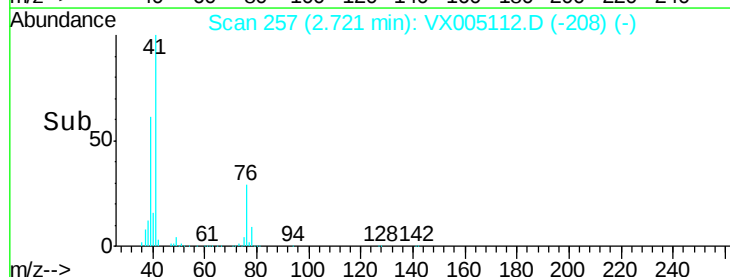
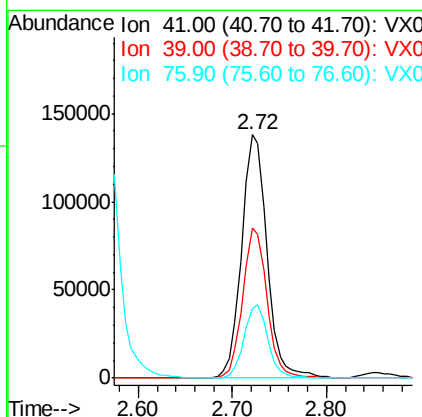
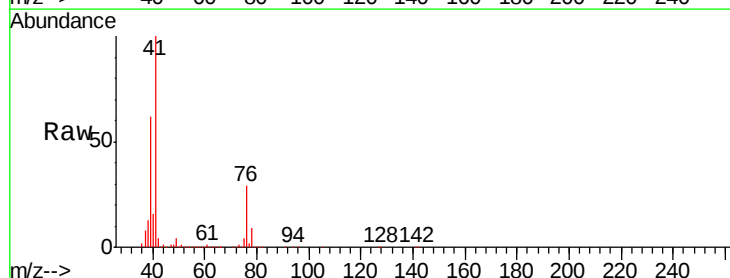
Tgt Ion: 41 Resp: 259778

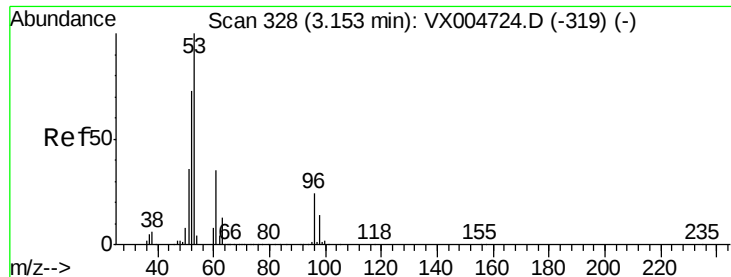
Ion Ratio Lower Upper

41 100

39 59.0 44.1 66.1

76 28.6 25.0 37.4





#15

Acrylonitrile

Concen: 232.10 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

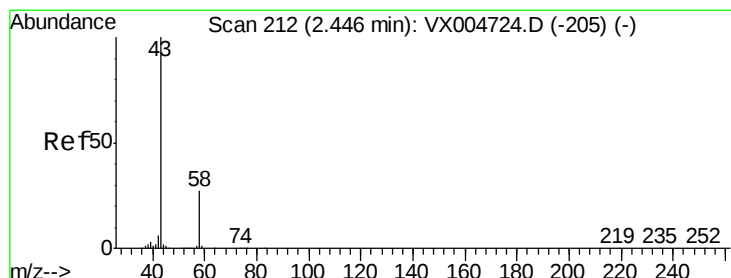
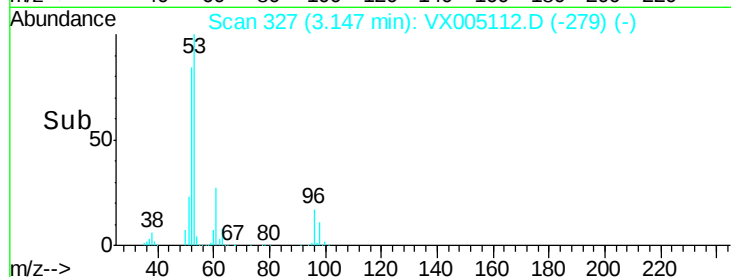
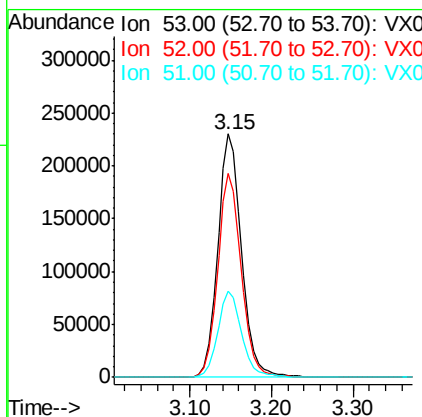
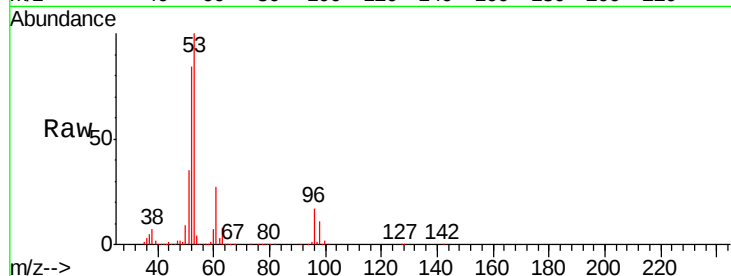
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	462940
Ion	Ratio	Lower	Upper
53	100		
52	83.2	63.0	94.4
51	35.8	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#16

Acetone

Concen: 227.83 ug/l

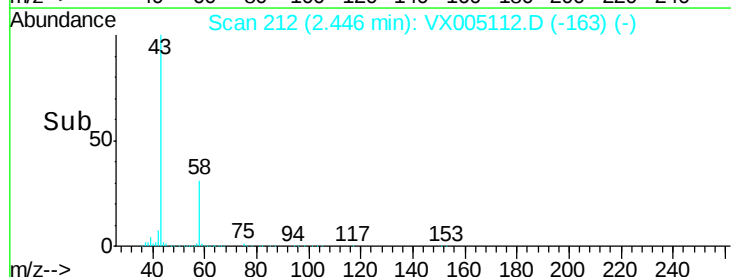
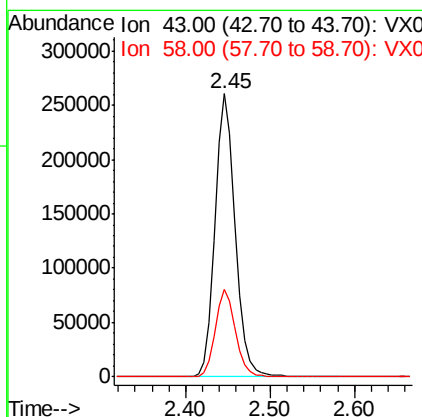
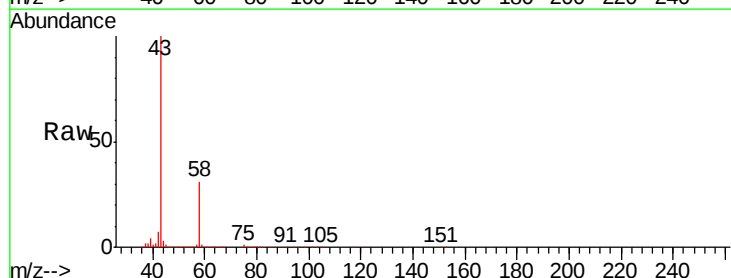
RT: 2.45 min Scan# 212

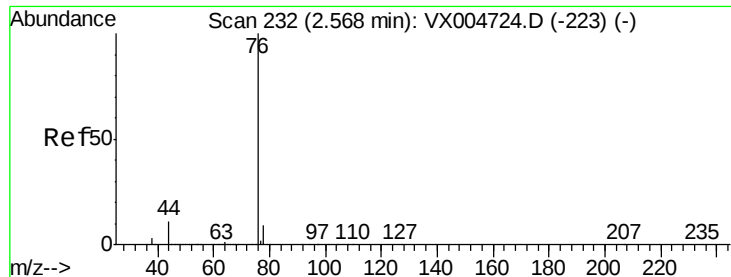
Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion:	43	Resp:	431008
Ion	Ratio	Lower	Upper
43	100		
58	30.8	21.8	32.6





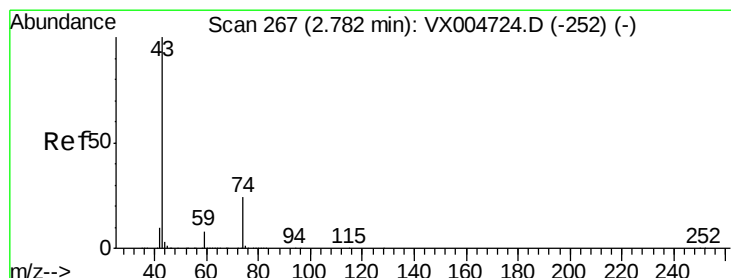
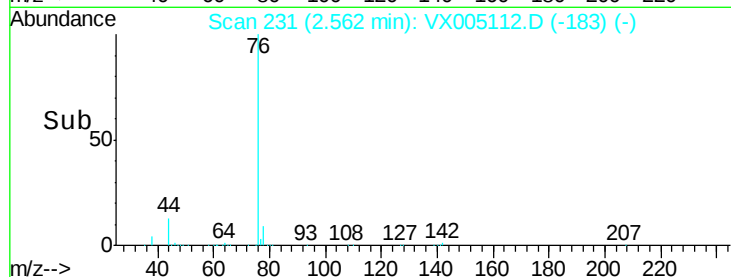
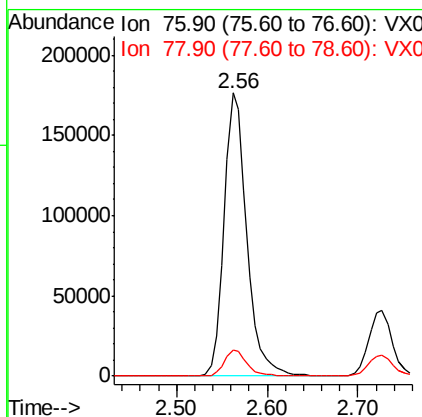
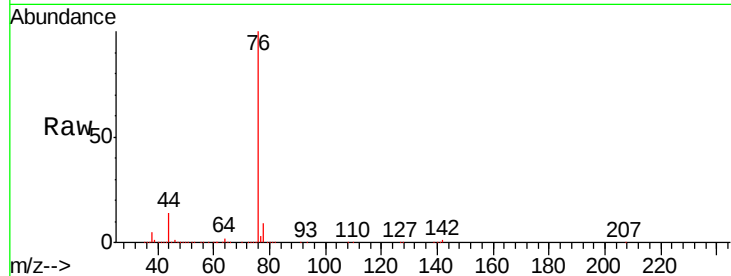
#17
Carbon Disulfide
Concen: 41.52 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

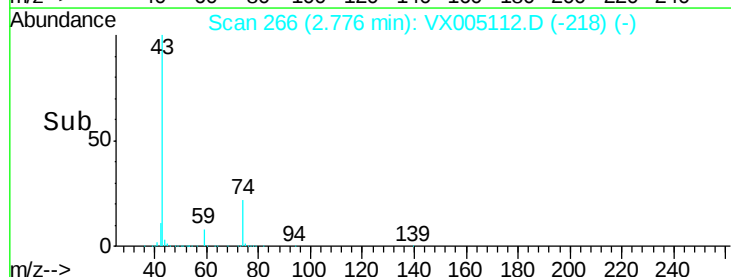
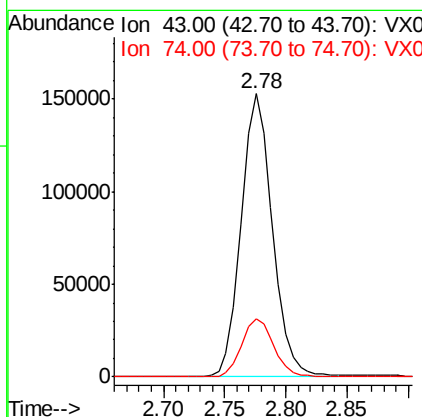
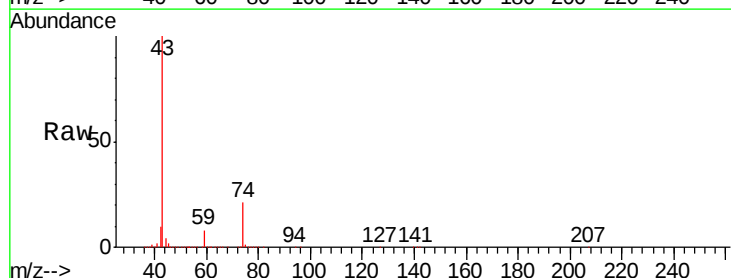
Manual Integrations
APPROVED

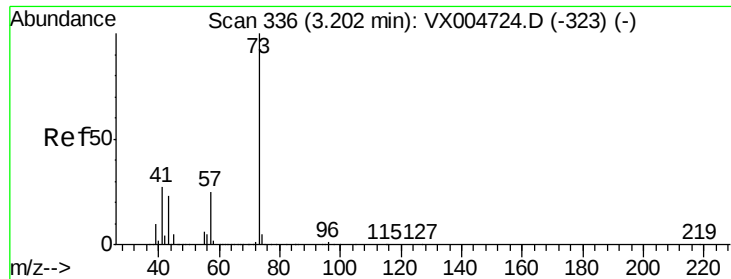
MMDadoda
10/9/2018 1:47:46 PM



#18
Methyl Acetate
Concen: 56.16 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	17.8	26.8





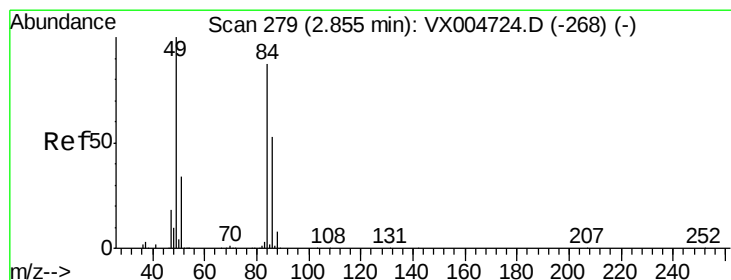
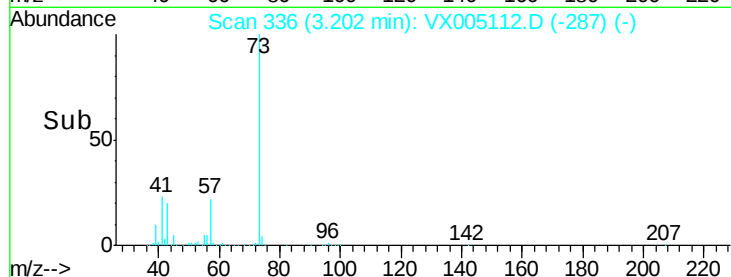
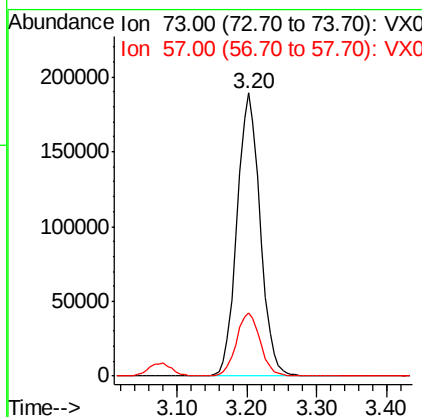
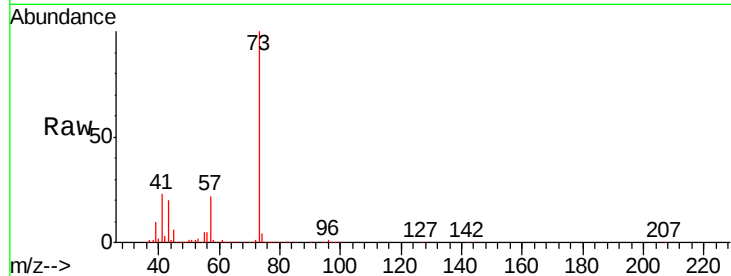
#19
Methyl tert-butyl Ether
Concen: 51.21 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 434156
Ion Ratio Lower Upper
73 100
57 22.1 19.9 29.9

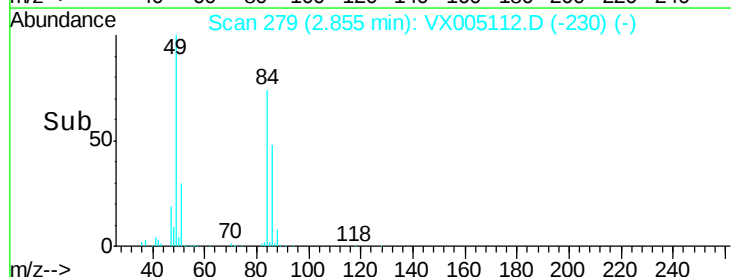
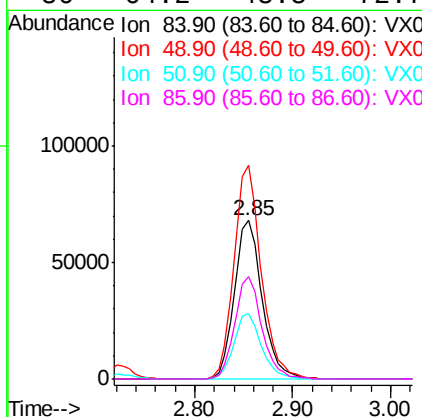
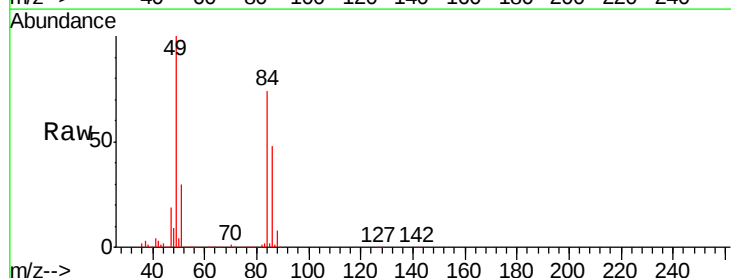
Manual Integrations
APPROVED

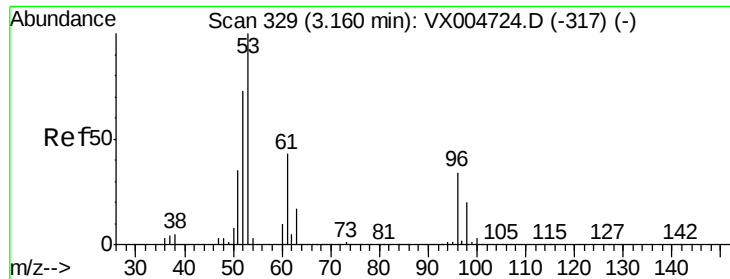
MMDadoda
10/9/2018 1:47:46 PM



#20
Methylene Chloride
Concen: 48.56 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion: 84 Resp: 133641
Ion Ratio Lower Upper
84 100
49 134.5 92.3 138.5
51 40.9 31.8 47.6
86 64.2 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 45.51 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 122459

Ion Ratio Lower Upper

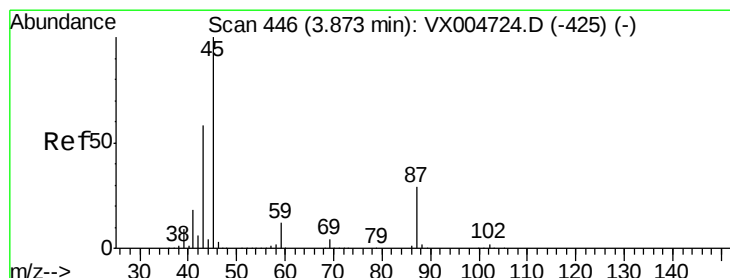
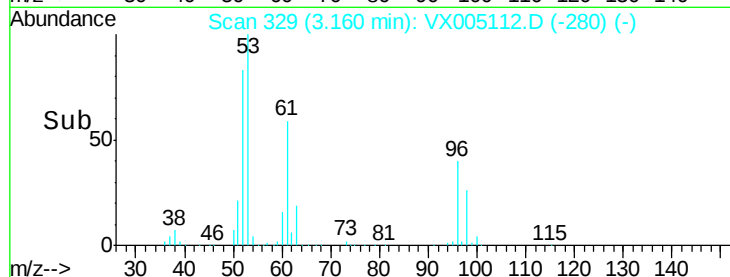
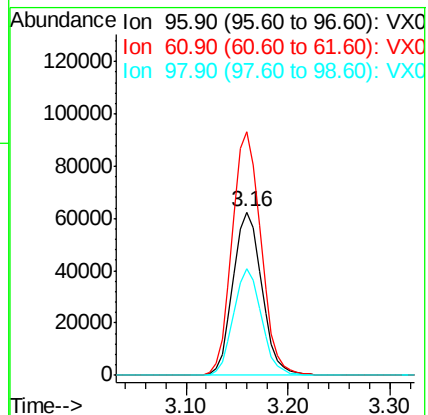
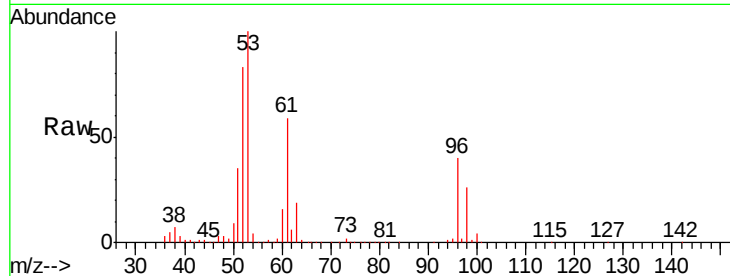
96 100

61 149.2 101.0 151.6

98 65.5 47.2 70.8

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#22

Diisopropyl ether

Concen: 53.16 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion: 45 Resp: 480098

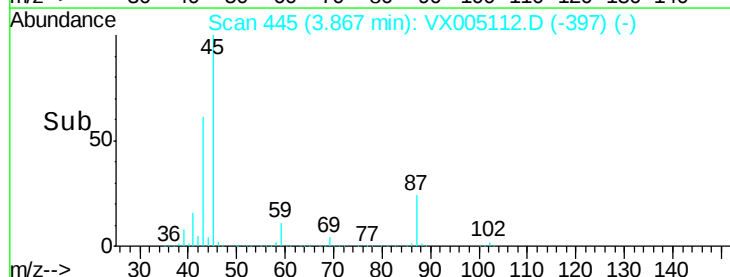
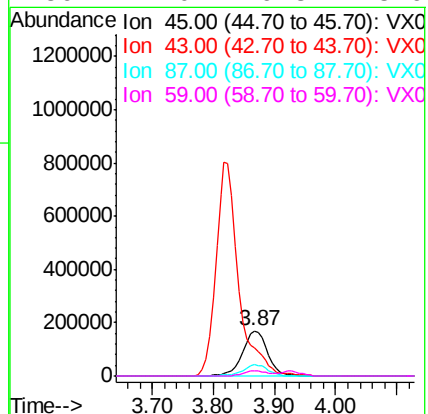
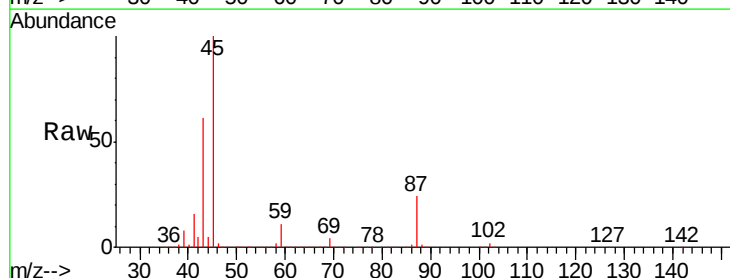
Ion Ratio Lower Upper

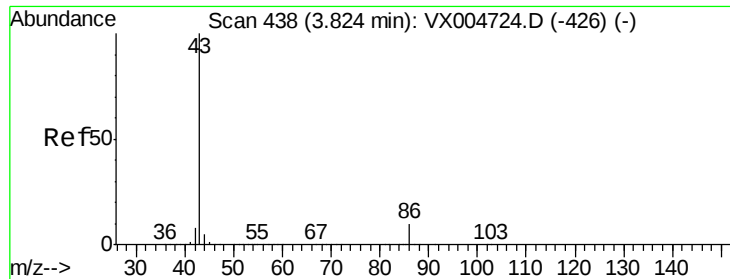
45 100

43 61.2 46.7 70.1

87 24.4 22.9 34.3

59 11.0 9.3 13.9





#23

Vinyl Acetate

Concen: 253.55 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2095881

Ion Ratio Lower Upper

43 100

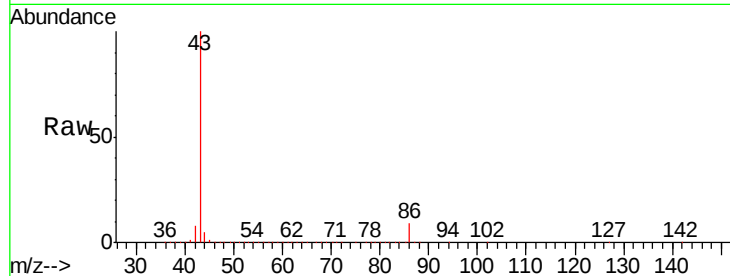
86 8.9 8.1 12.1

Manual Integrations

APPROVED

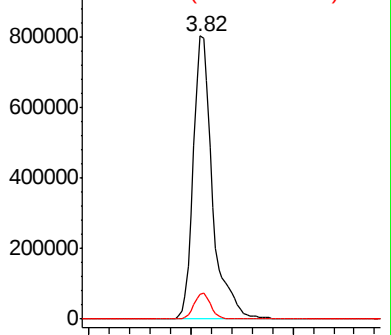
MMDadoda

10/9/2018 1:47:46 PM

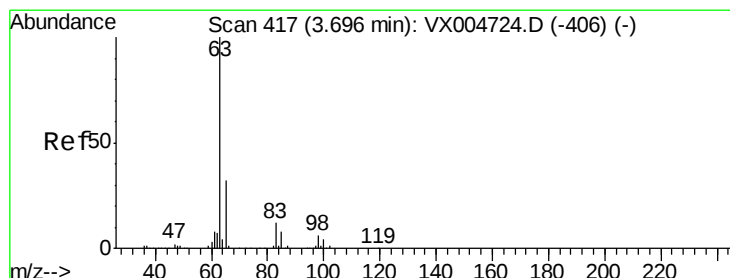
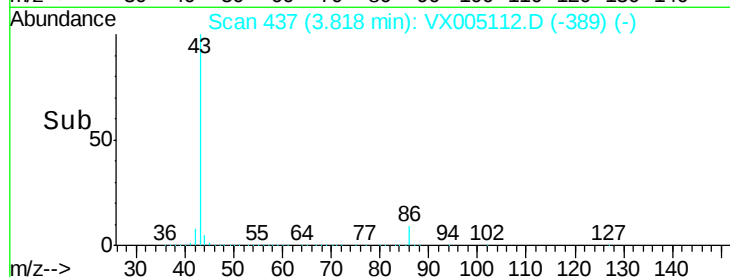


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 46.67 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

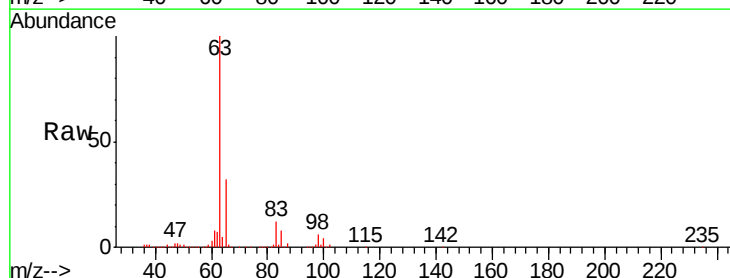
Tgt Ion: 63 Resp: 251394

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

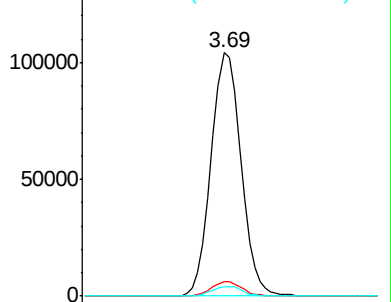
100 4.0 2.0 5.8



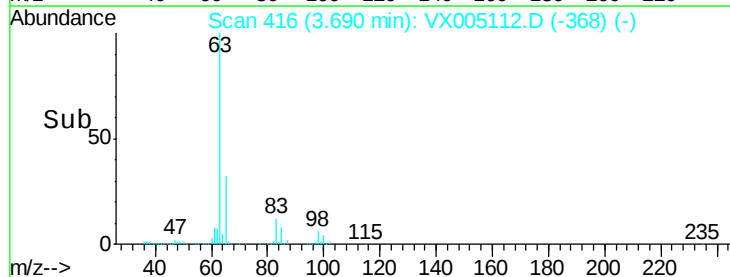
Abundance Ion 62.90 (62.60 to 63.60): VX0

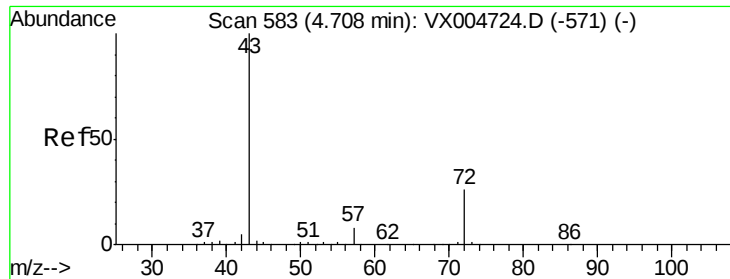
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 221.05 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 616418

Ion Ratio Lower Upper

43 100

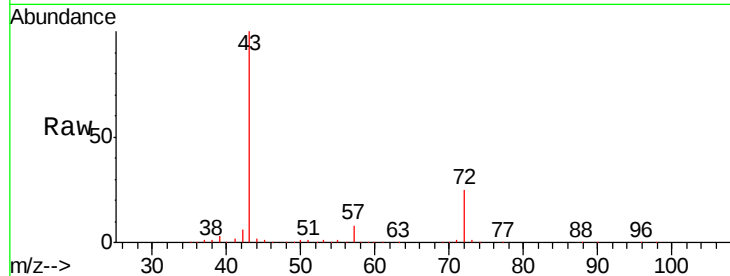
72 24.9 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

10/9/2018 1:47:46 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

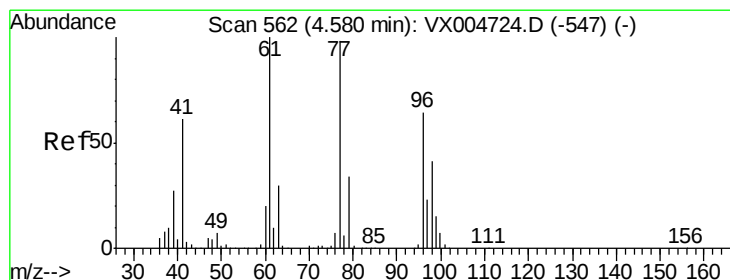
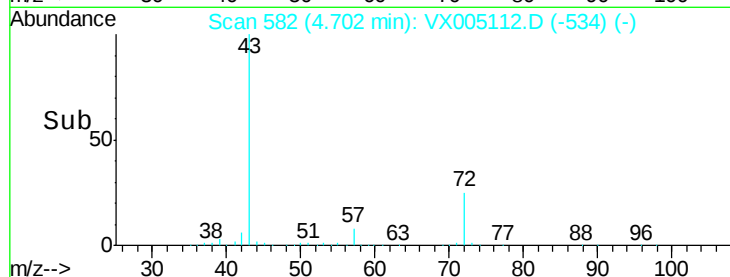
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 51.57 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005112.D

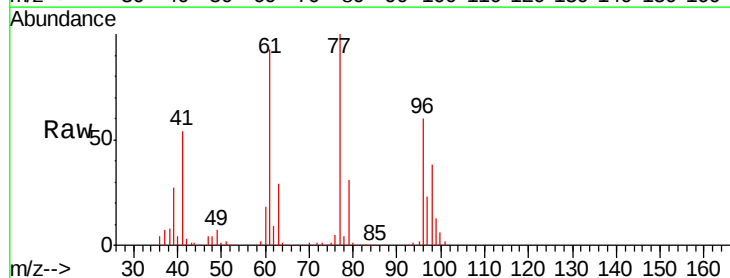
Acq: 08 Oct 2018 08:18

Tgt Ion: 77 Resp: 193434

Ion Ratio Lower Upper

77 100

97 23.2 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

40000

20000

0

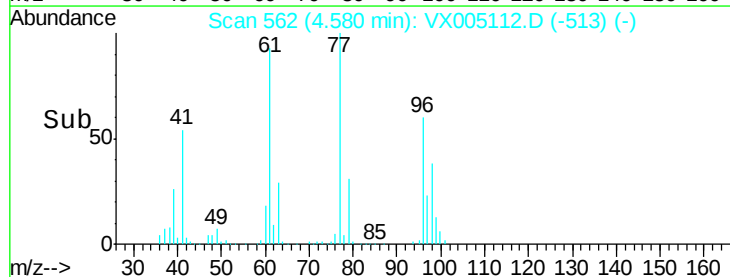
4.40

4.50

4.60

4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 44.97 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

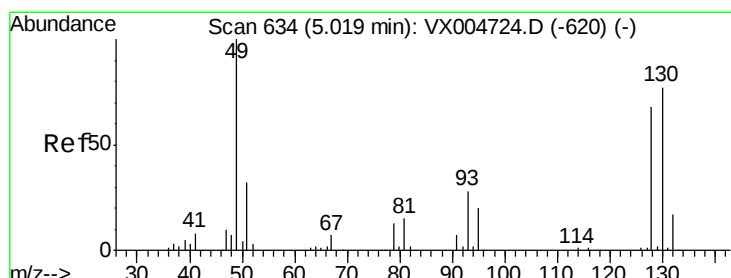
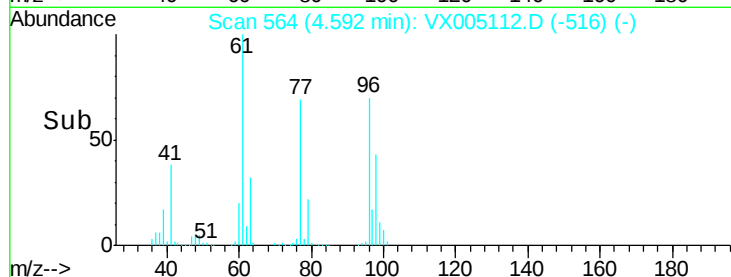
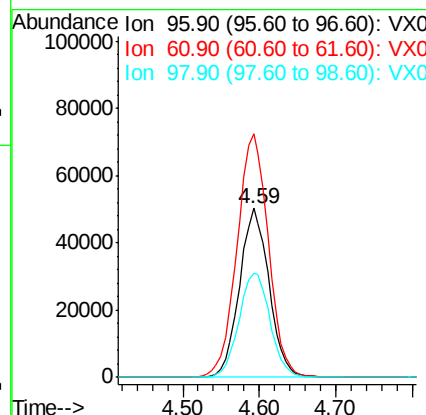
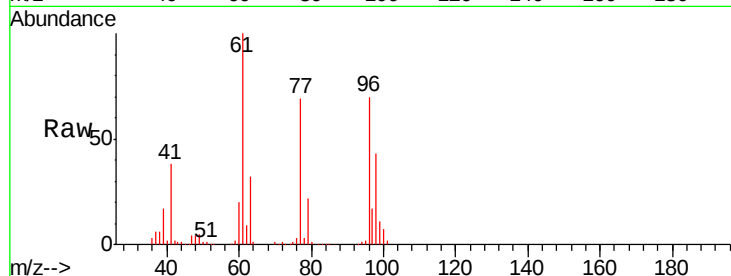
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	135183
Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	285.8
98	64.6	0.0	136.2

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#28

Bromochloromethane

Concen: 43.68 ug/l

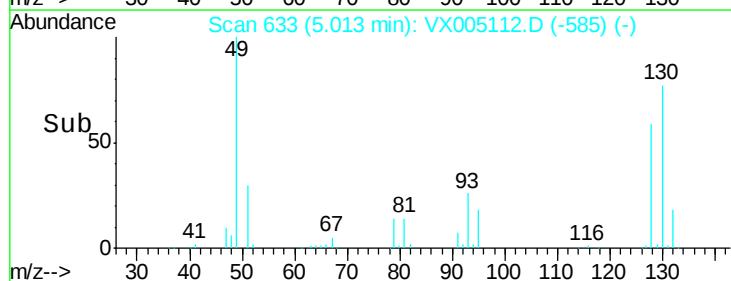
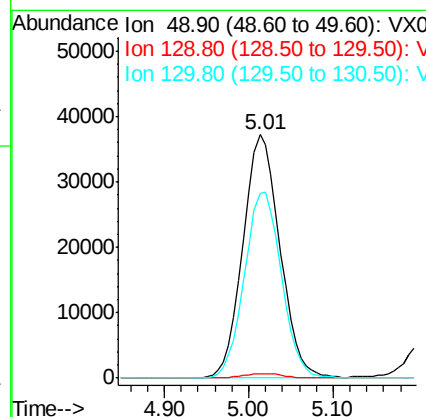
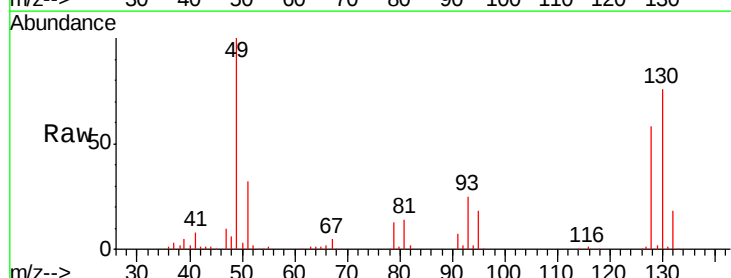
RT: 5.01 min Scan# 633

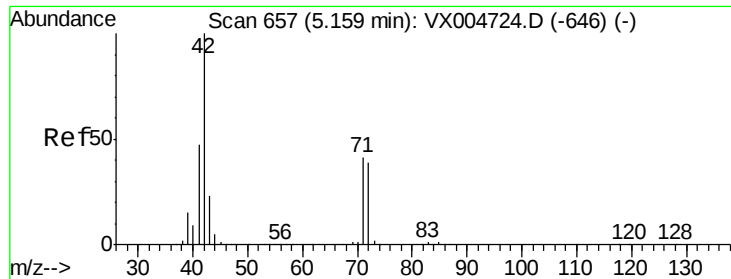
Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion:	49	Resp:	110794
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	76.6	62.0	93.0





#29

Tetrahydrofuran

Concen: 227.99 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

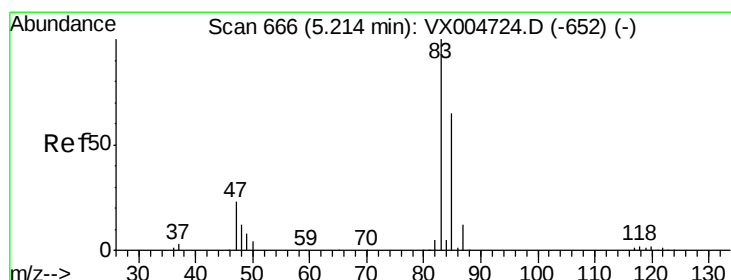
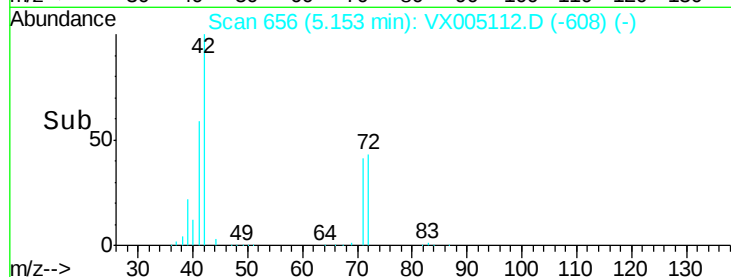
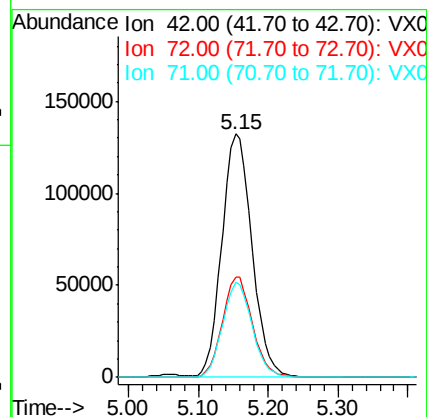
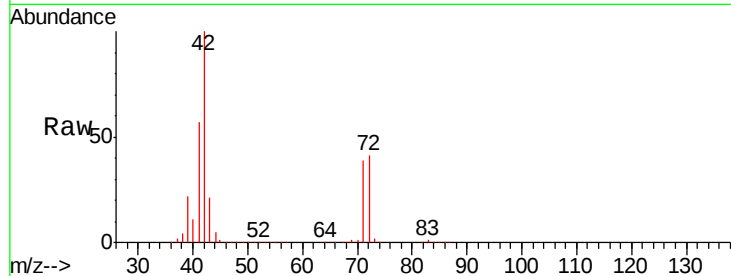
ClientSampleId :

VSTDCCC050

Tgt Ion:	42	Resp:	395157
Ion Ratio		Lower	Upper
42	100		
72	41.3	33.7	50.5
71	38.5	32.2	48.4

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#30

Chloroform

Concen: 44.98 ug/l

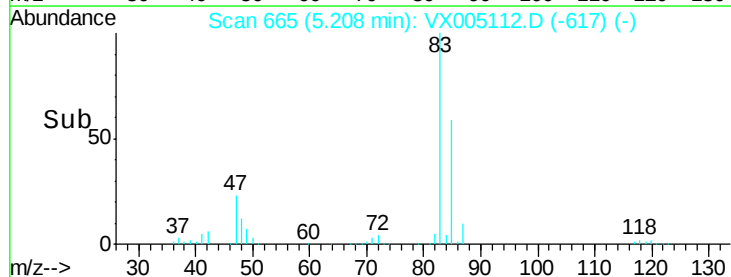
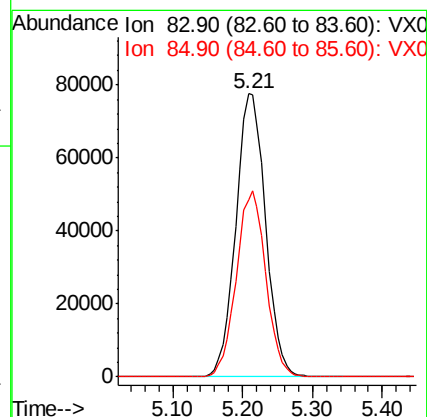
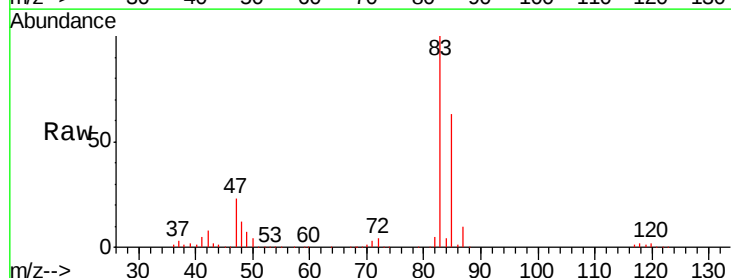
RT: 5.21 min Scan# 665

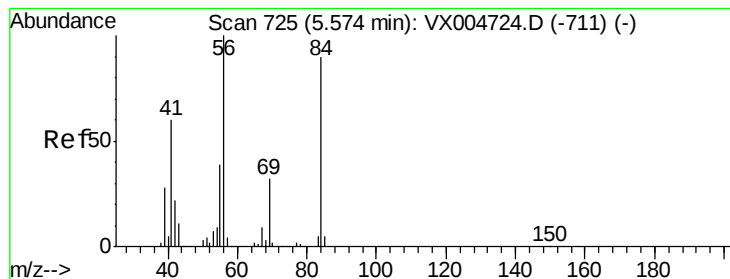
Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion:	83	Resp:	228997
Ion Ratio		Lower	Upper
83	100		
85	62.7	52.4	78.6





#31

Cyclohexane

Concen: 49.14 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

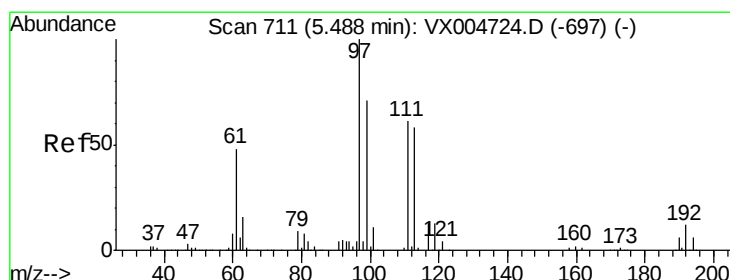
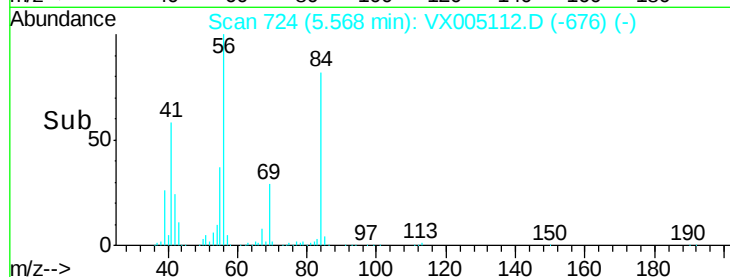
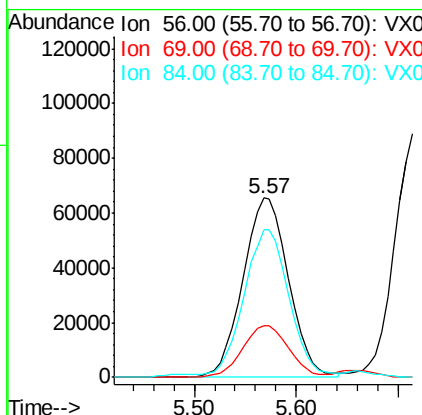
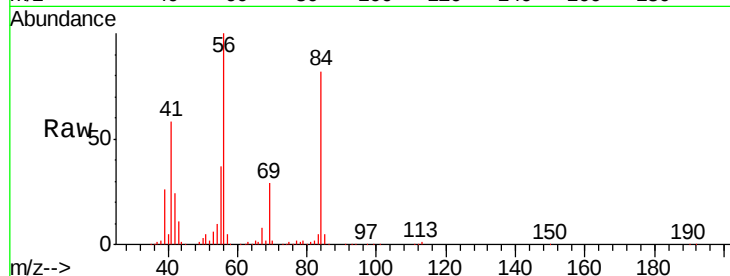
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	202619
Ion	Ratio	Lower	Upper
56	100		
69	28.8	25.9	38.9
84	80.3	71.9	107.9

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#32

1,1,1-Trichloroethane

Concen: 48.03 ug/l

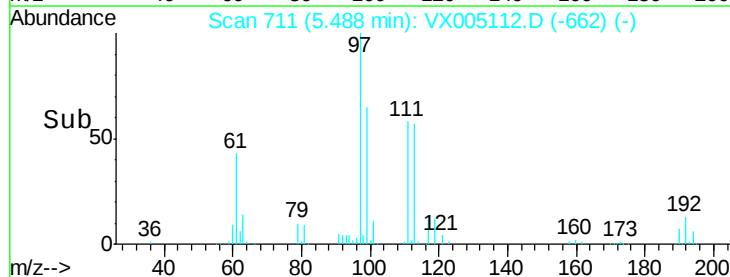
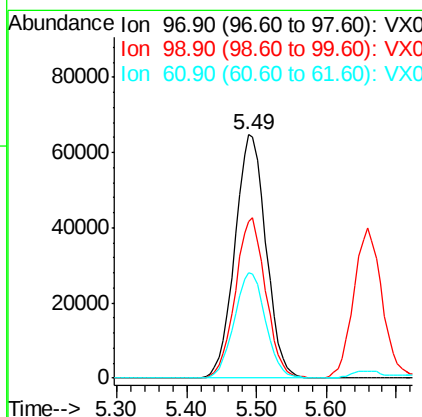
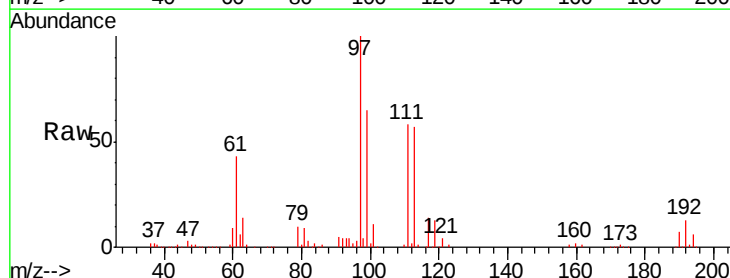
RT: 5.49 min Scan# 711

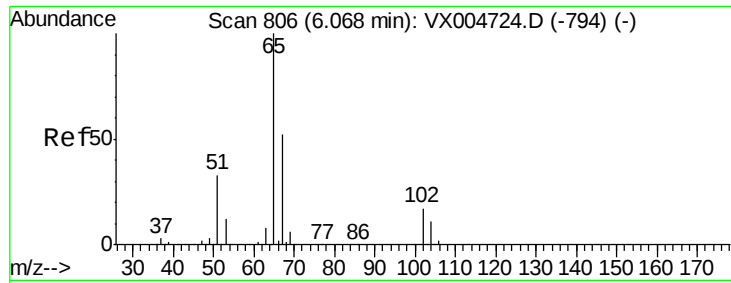
Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion:	97	Resp:	199687
Ion	Ratio	Lower	Upper
97	100		
99	64.2	54.6	82.0
61	43.7	37.5	56.3





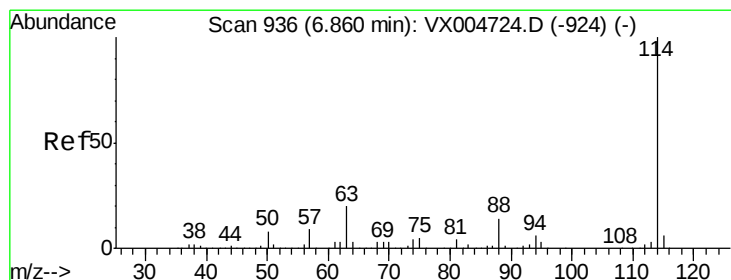
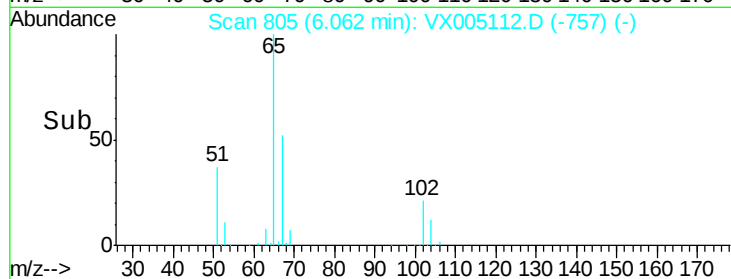
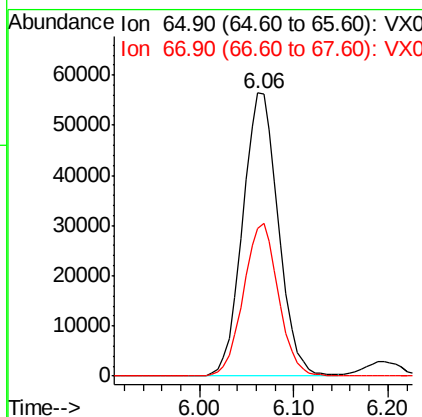
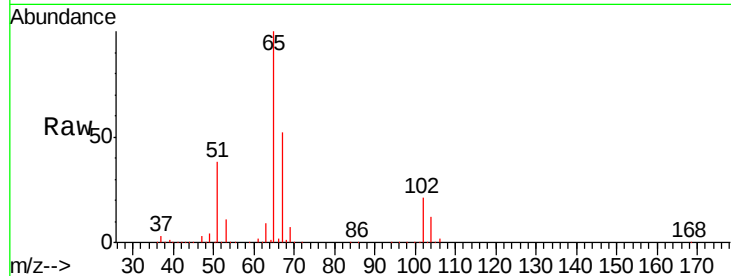
#33
 1,2-Dichloroethane-d4
 Concen: 46.17 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005112.D
 Acq: 08 Oct 2018 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 149616
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.4

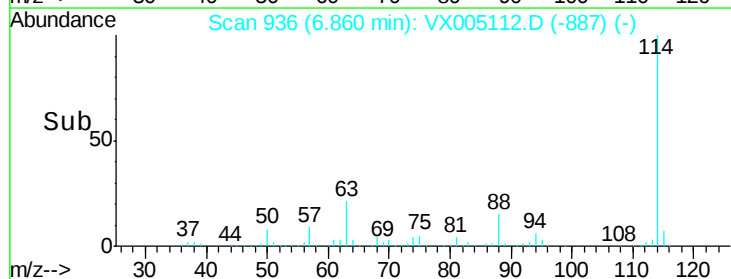
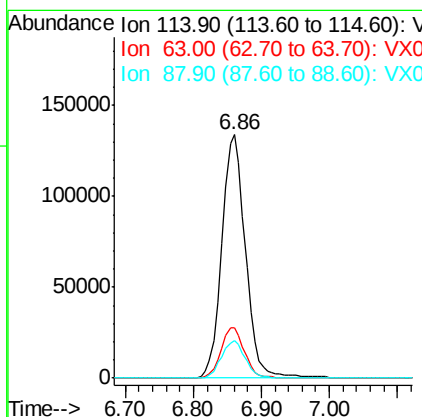
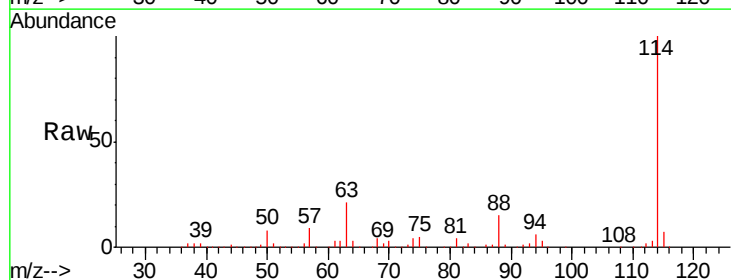
Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005112.D
 Acq: 08 Oct 2018 08:18

Tgt Ion: 114 Resp: 323164
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.8
 88 15.4 0.0 27.0





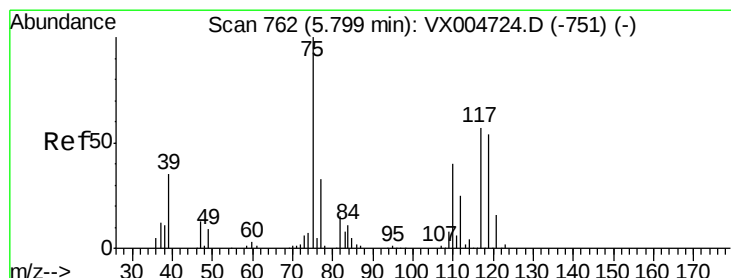
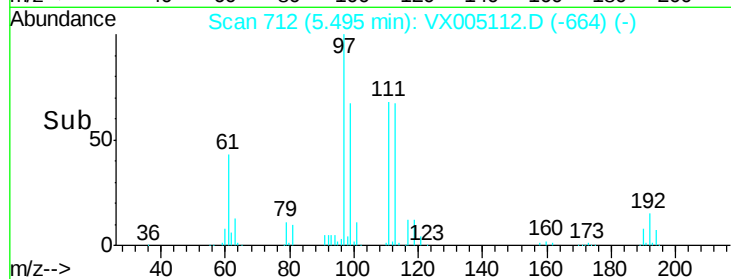
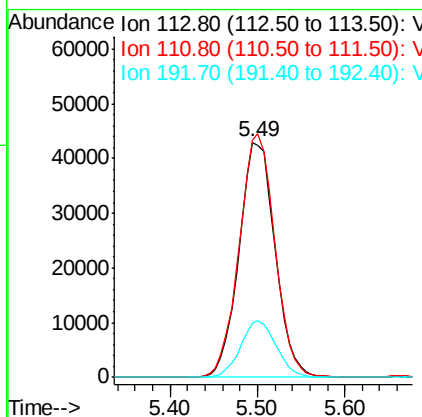
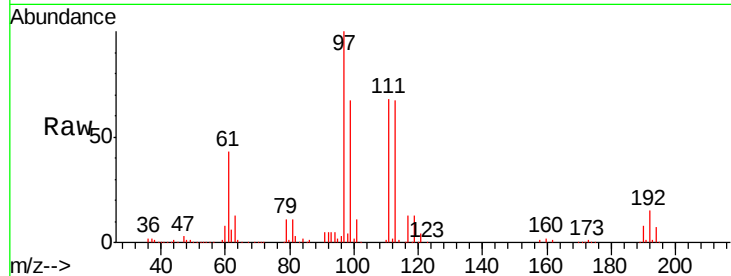
#35
Dibromofluoromethane
Concen: 44.93 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	123047		
111	102.5	77.0	115.4	
192	23.8	17.0	25.6	

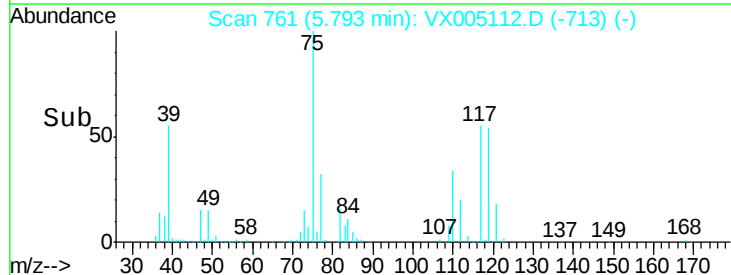
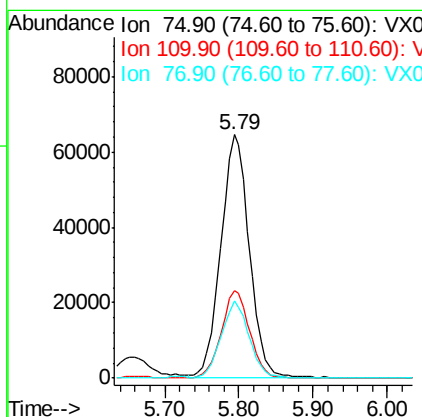
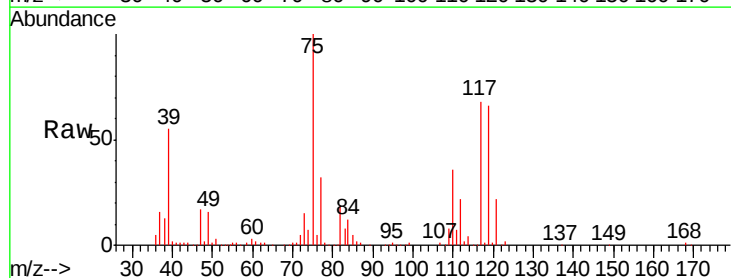
Manual Integrations
APPROVED

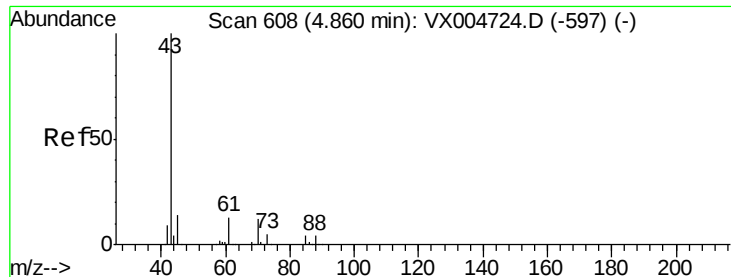
MMDadoda
10/9/2018 1:47:46 PM



#36
1,1-Dichloropropene
Concen: 45.81 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	171189		
110	35.8	20.0	59.9	
77	31.2	27.1	40.7	





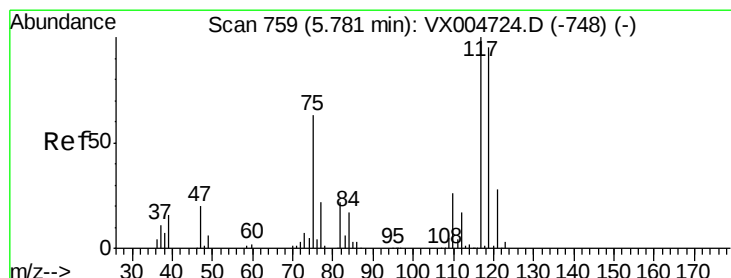
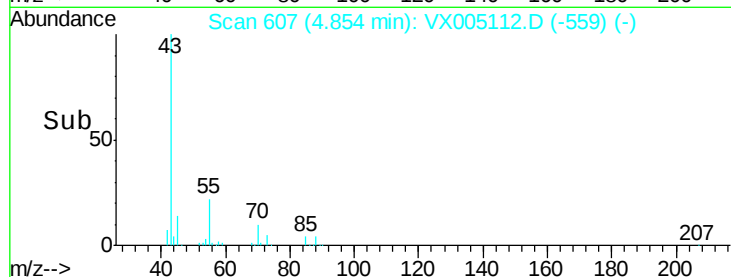
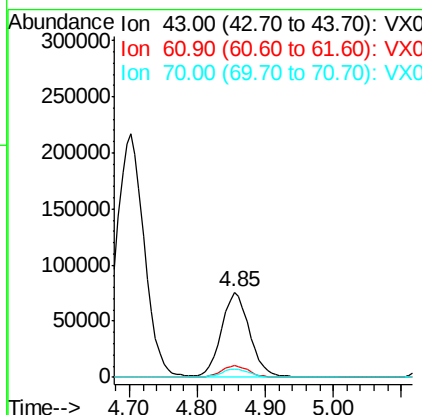
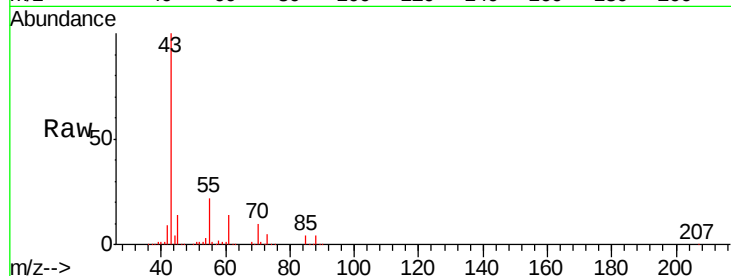
#37
Ethyl Acetate
Concen: 44.12 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.4	15.6
70	9.9	8.7	13.1

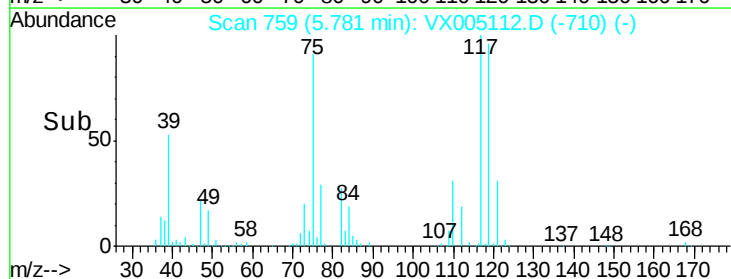
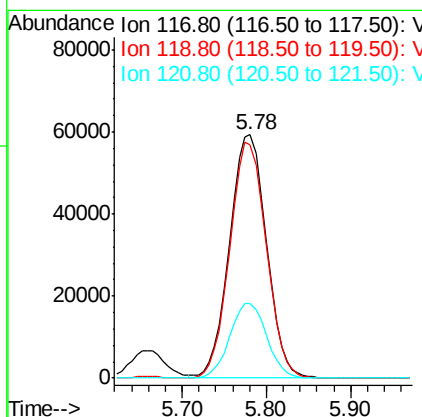
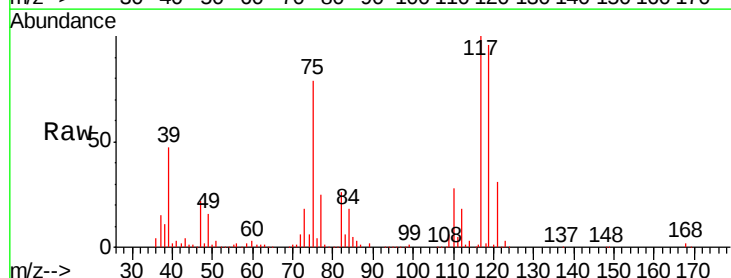
Manual Integrations
APPROVED

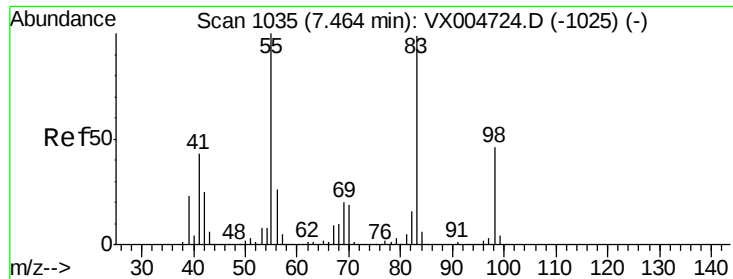
MMDadoda
10/9/2018 1:47:46 PM



#38
Carbon Tetrachloride
Concen: 44.87 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.2	112.8
121	30.9	22.5	33.7





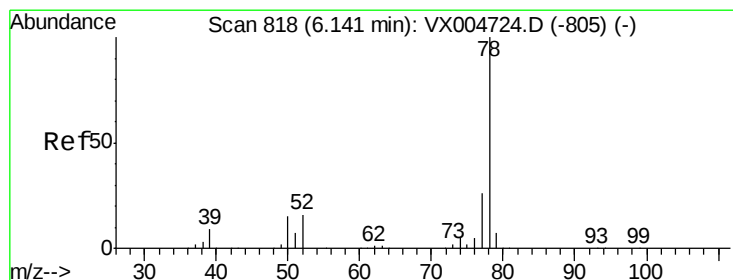
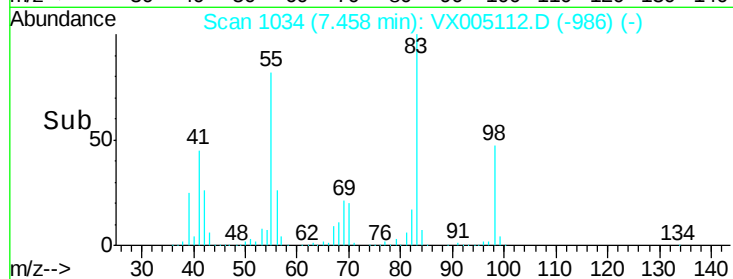
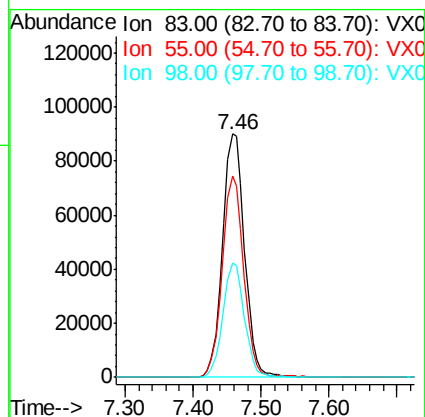
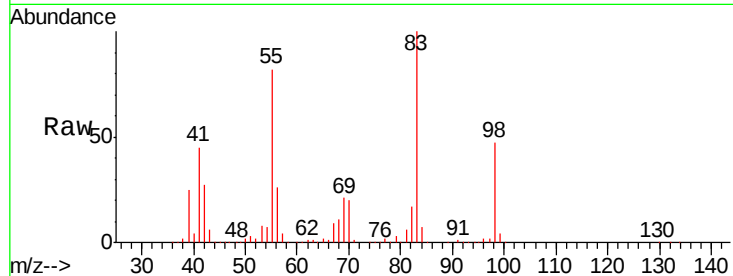
#39
Methylcyclohexane
Concen: 53.19 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.4	81.1	121.7
98	46.7	37.3	55.9

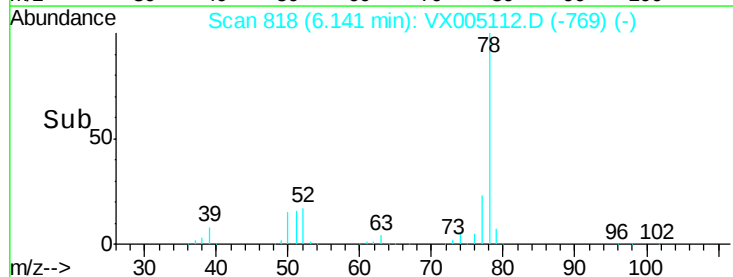
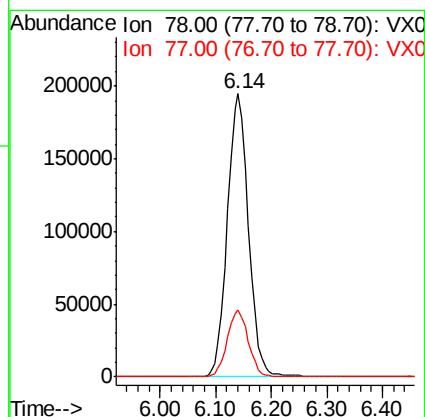
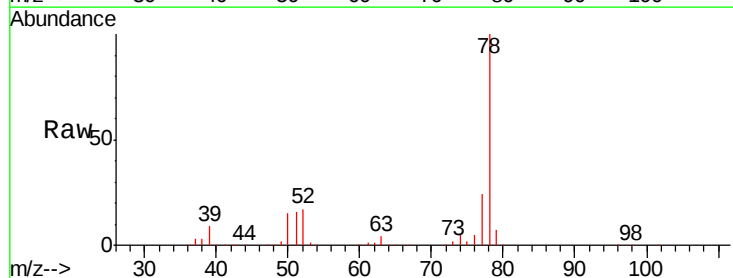
Manual Integrations
APPROVED

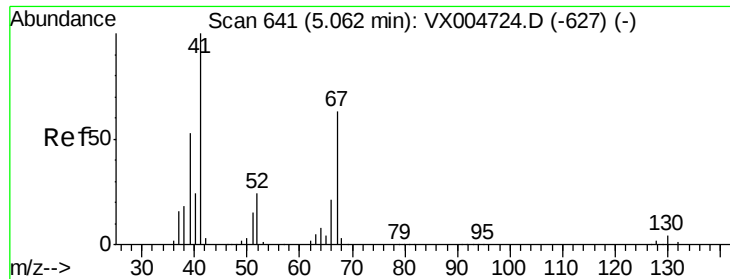
MMDadoda
10/9/2018 1:47:46 PM



#40
Benzene
Concen: 43.68 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	21.0	31.4





#41

Methacrylonitrile

Concen: 45.26 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

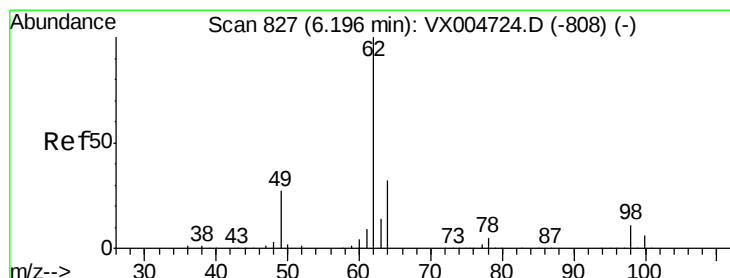
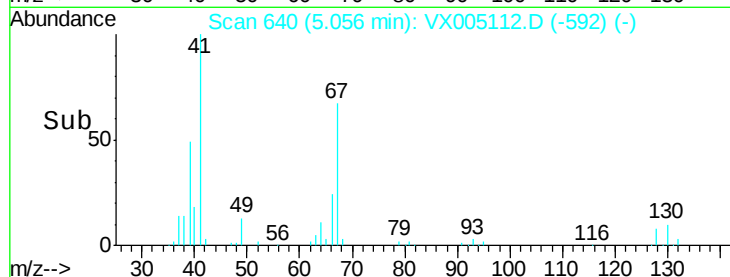
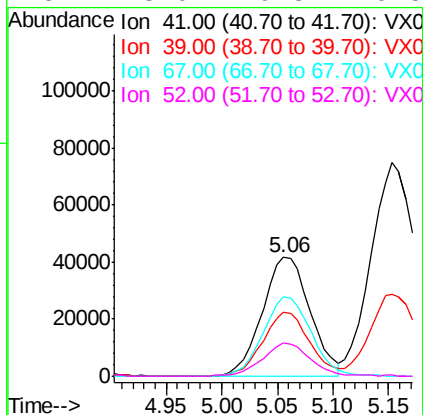
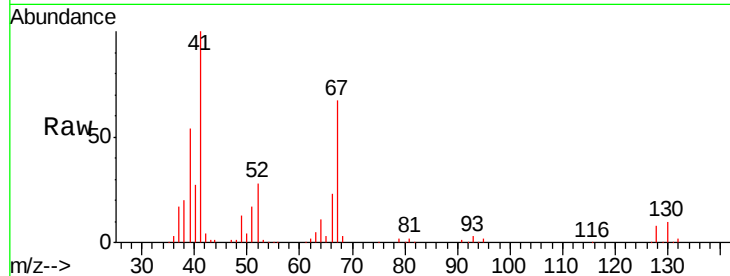
ClientSampleId :

VSTDCCC050

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		124515		
39	52.3	42.5	63.7		
67	66.9	53.0	79.6		
52	28.0	19.8	29.8		

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#42

1,2-Dichloroethane

Concen: 44.02 ug/l

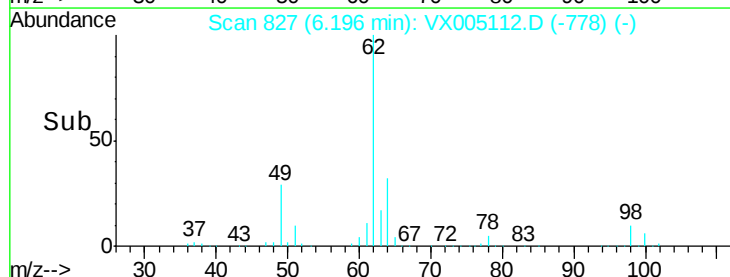
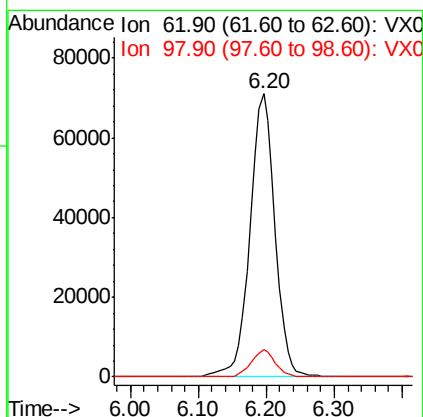
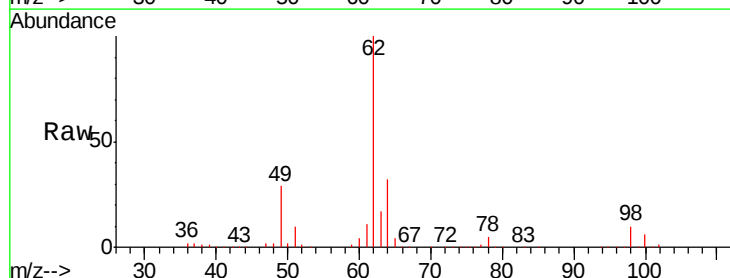
RT: 6.20 min Scan# 827

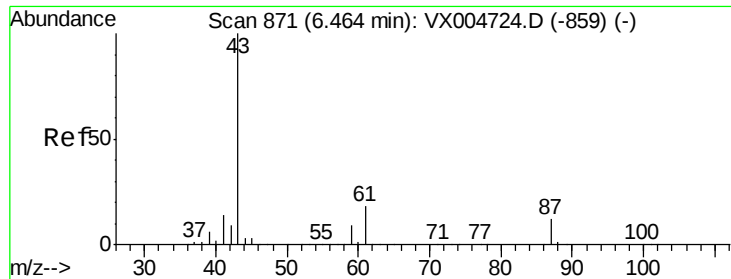
Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		182045		
98	9.2	0.0	20.2		





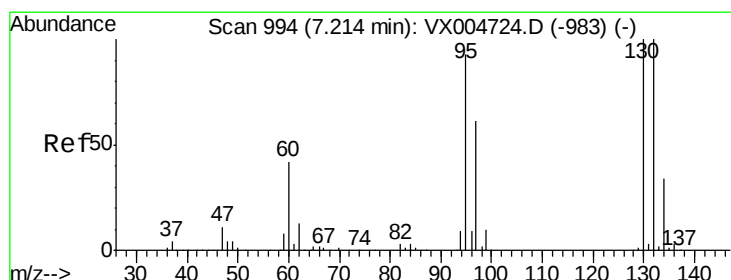
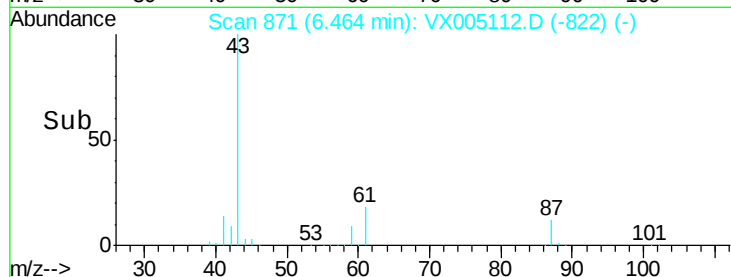
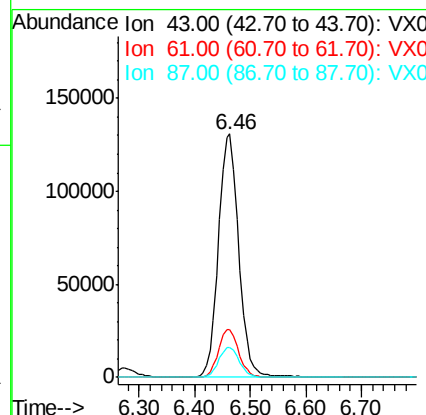
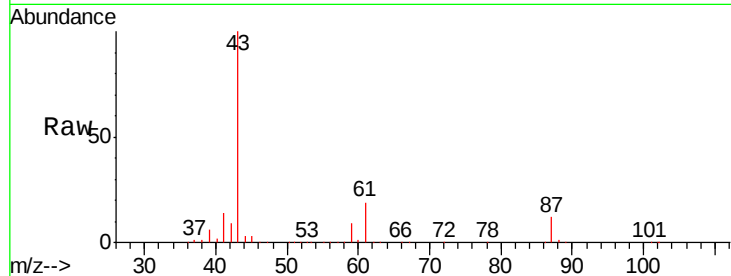
#43
Isopropyl Acetate
Concen: 46.20 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.7	14.2	21.4
87	12.5	9.3	13.9

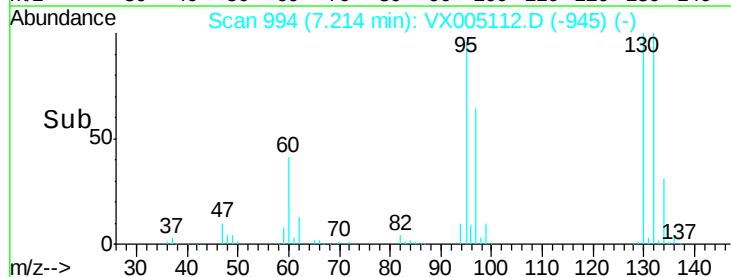
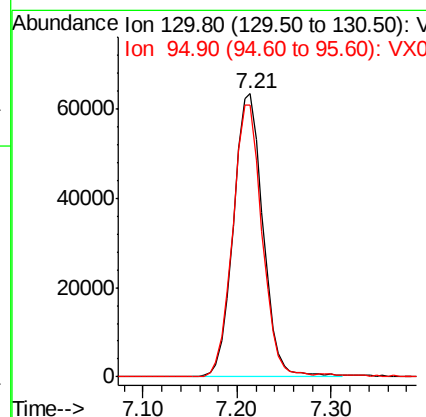
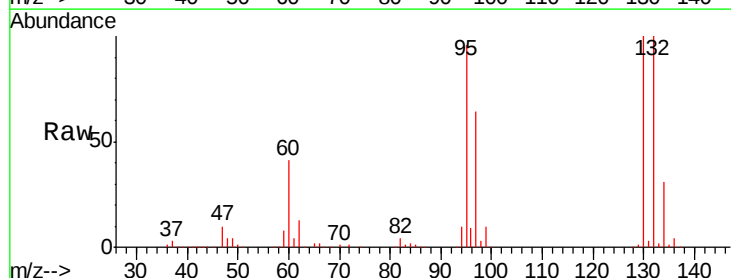
Manual Integrations
APPROVED

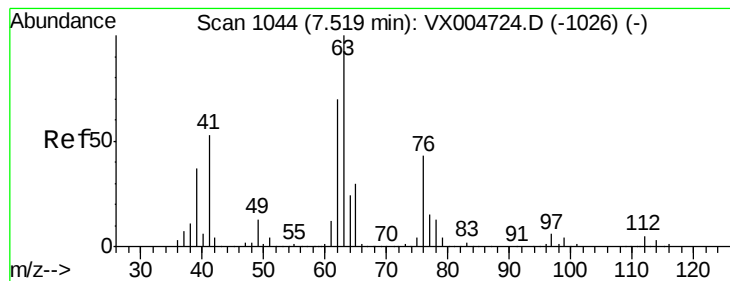
MMDadoda
10/9/2018 1:47:46 PM



#44
Trichloroethene
Concen: 48.07 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	186.8





#45

1,2-Dichloropropane

Concen: 48.39 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tgt Ion: 63 Resp: 138840

Ion Ratio Lower Upper

63 100

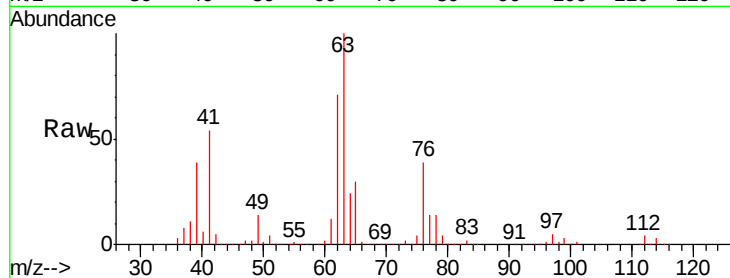
65 30.5 23.9 35.9

Manual Integrations

APPROVED

MMDadoda

10/9/2018 1:47:46 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

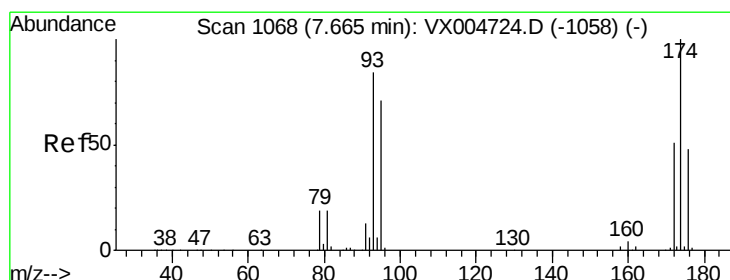
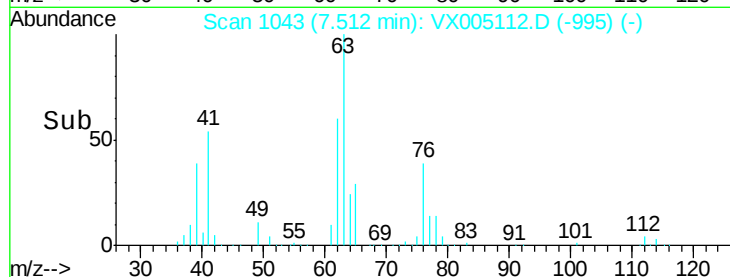
60000

40000

20000

0

Time--> 7.40 7.50 7.60



#46

Dibromomethane

Concen: 49.34 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

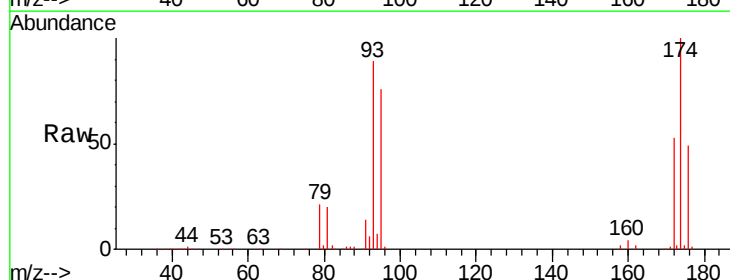
Tgt Ion: 93 Resp: 88955

Ion Ratio Lower Upper

93 100

95 82.8 66.7 100.1

174 115.9 92.7 139.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

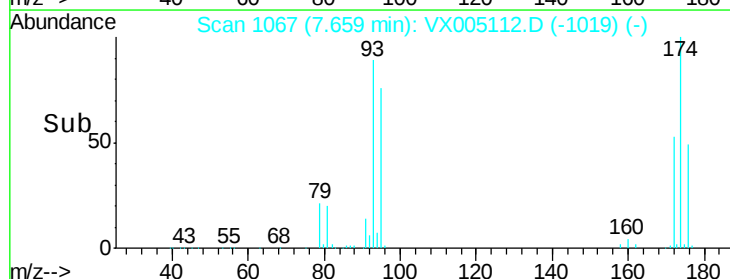
60000

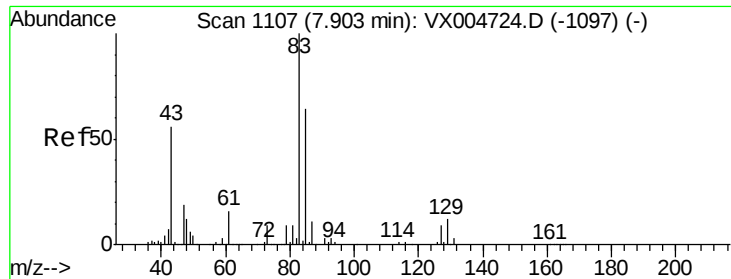
40000

20000

0

Time--> 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 51.91 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

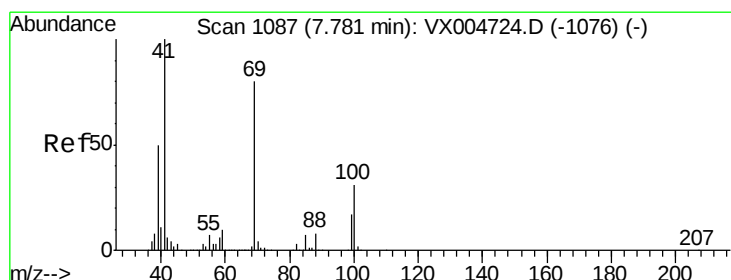
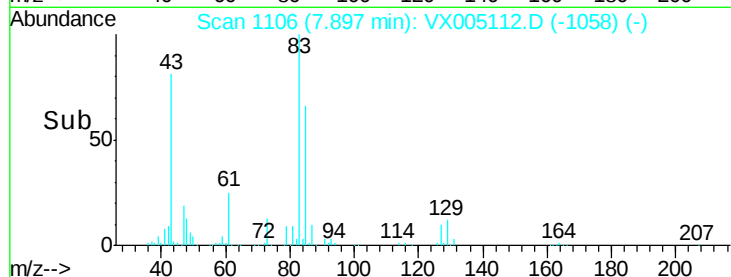
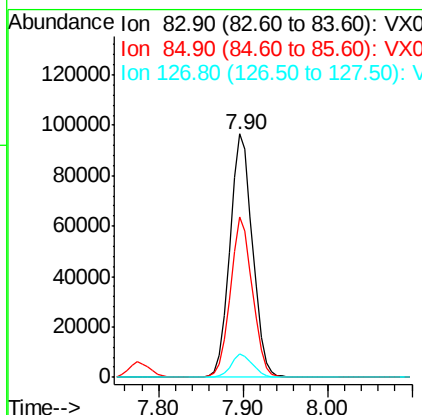
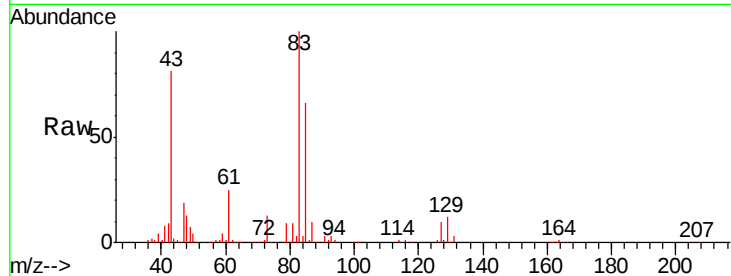
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	175234
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.2	76.8
127	9.5	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#48

Methyl methacrylate

Concen: 53.80 ug/l

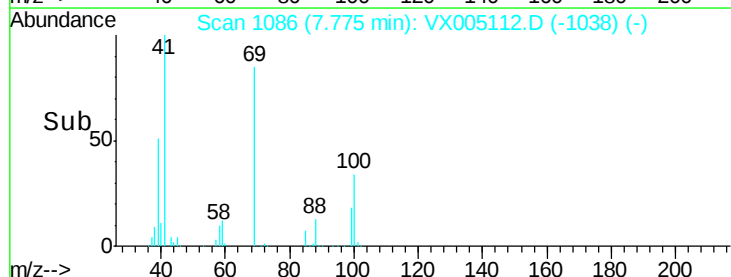
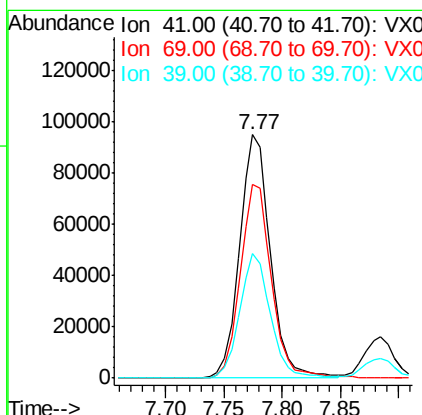
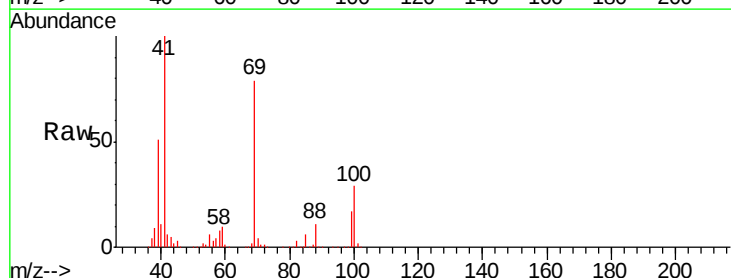
RT: 7.77 min Scan# 1086

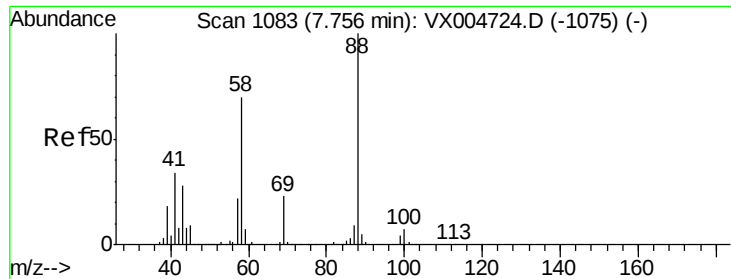
Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion:	41	Resp:	174820
Ion	Ratio	Lower	Upper
41	100		
69	81.1	63.8	95.6
39	50.9	40.7	61.1





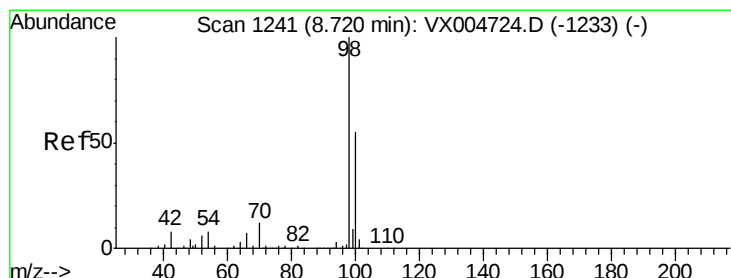
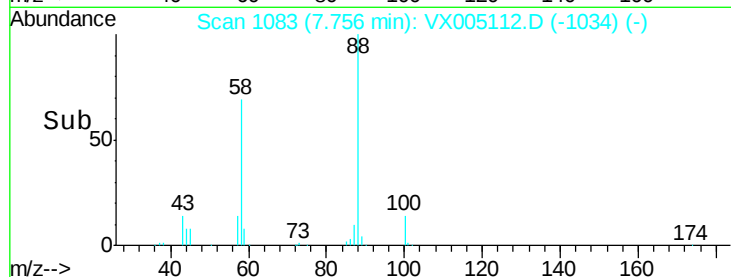
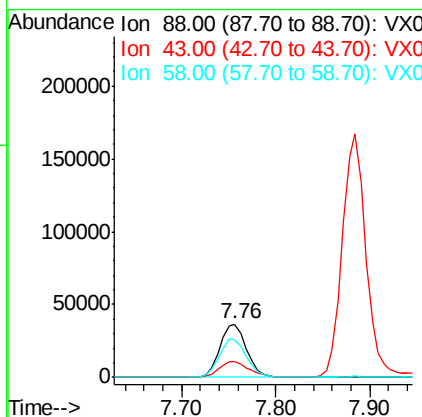
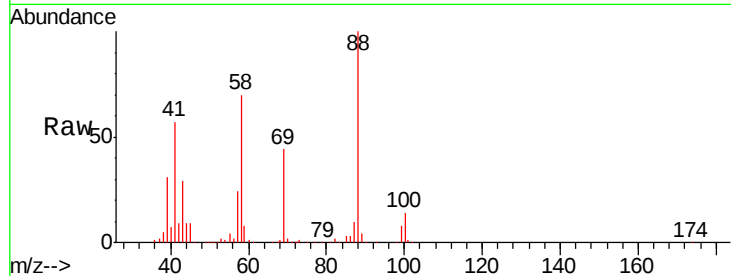
#49
 1,4-Dioxane
 Concen: 890.87 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. 0.00 min
 Lab File: VX005112.D
 Acq: 08 Oct 2018 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.9	25.1	37.7
58	74.6	56.2	84.2

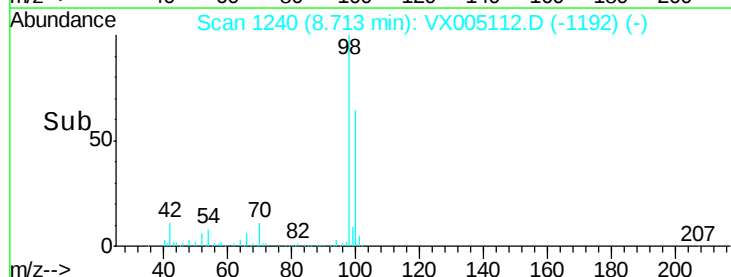
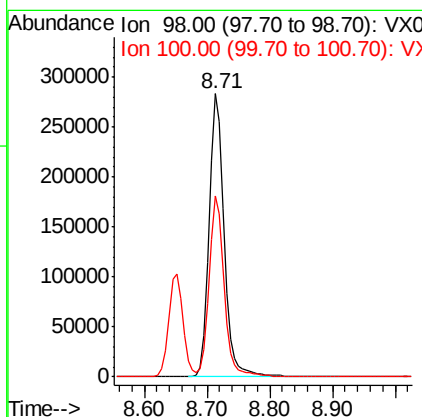
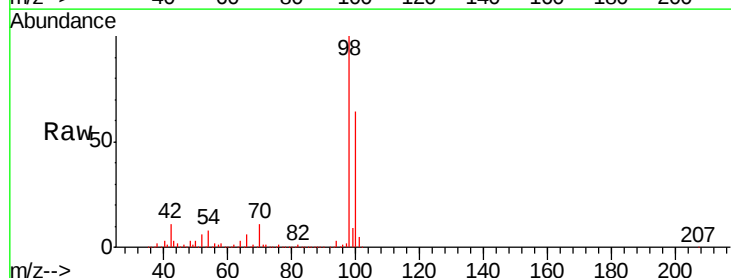
Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:46 PM



#50
 Toluene-d8
 Concen: 51.54 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VX005112.D
 Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.9	77.9





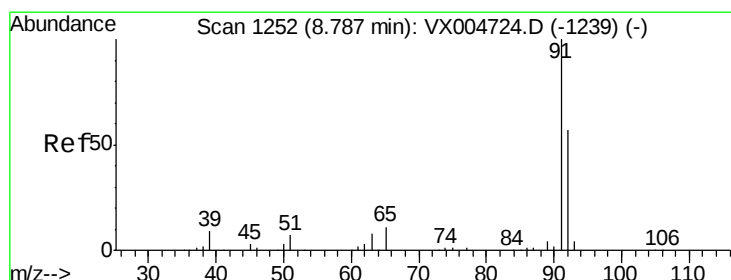
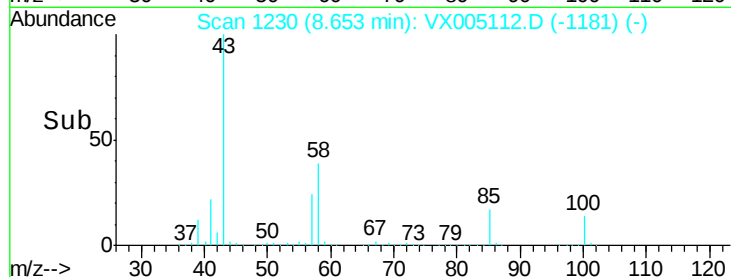
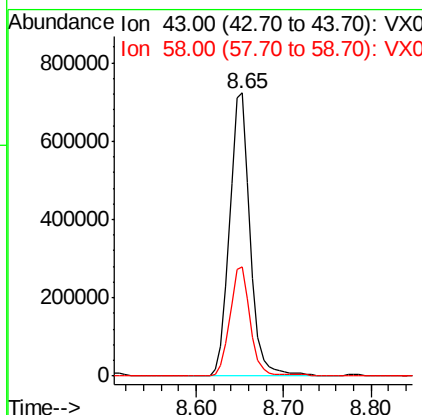
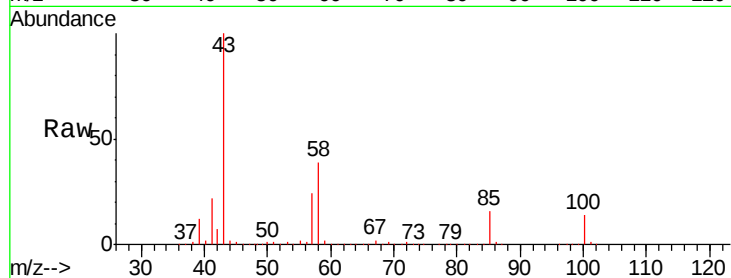
#51
4-Methyl-2-Pentanone
Concen: 262.54 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1183509
Ion Ratio Lower Upper
43 100
58 38.9 30.5 45.7

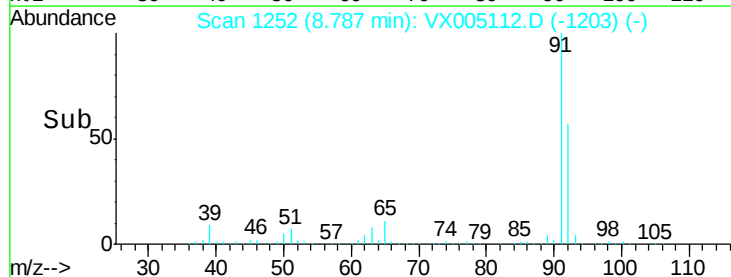
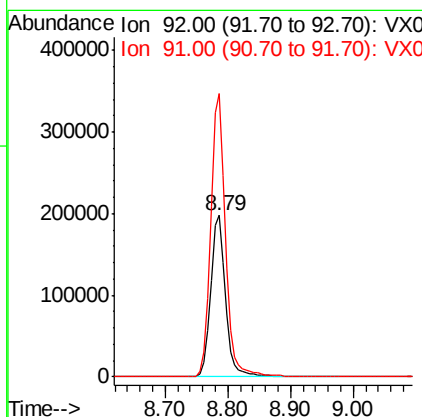
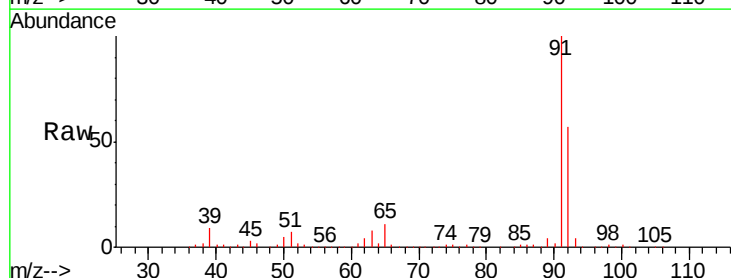
Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#52
Toluene
Concen: 50.26 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion: 92 Resp: 323108
Ion Ratio Lower Upper
92 100
91 175.4 136.7 205.1





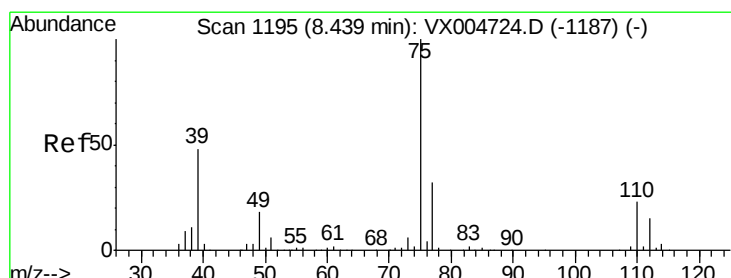
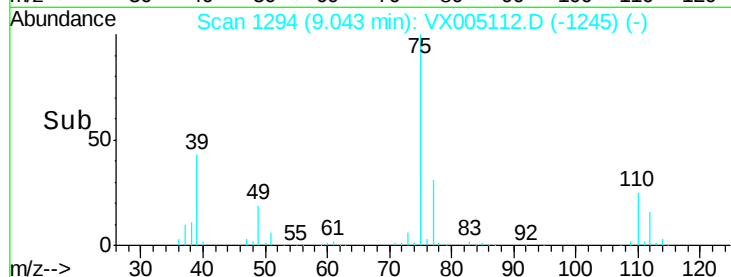
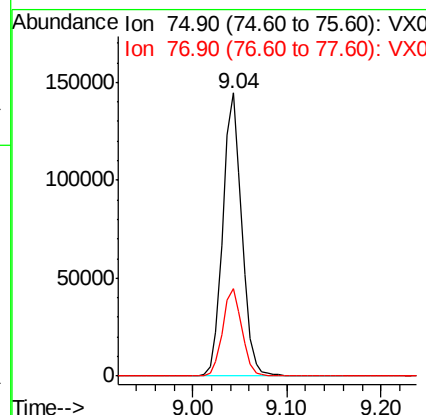
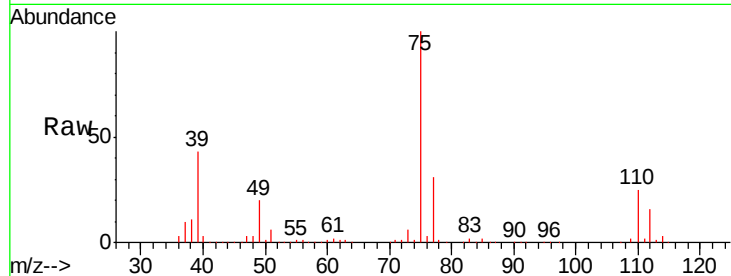
#53
t-1,3-Dichloropropene
Concen: 52.91 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 201839
Ion Ratio Lower Upper
75 100
77 31.1 28.9 43.3

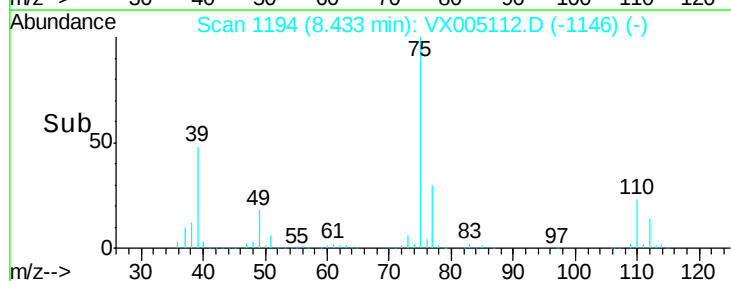
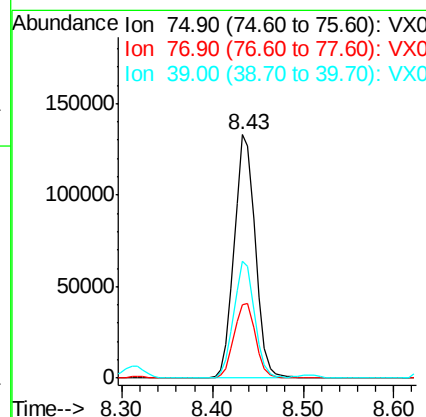
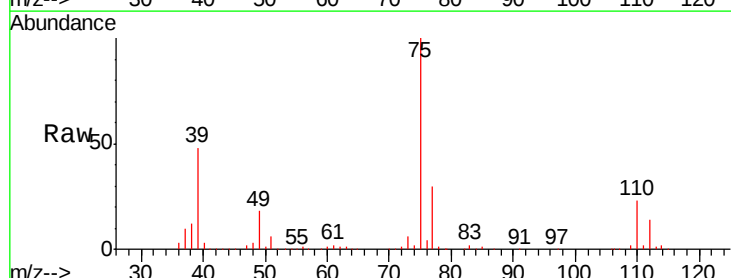
Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#54
cis-1,3-Dichloropropene
Concen: 53.84 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion: 75 Resp: 215115
Ion Ratio Lower Upper
75 100
77 30.4 25.7 38.5
39 48.0 38.3 57.5





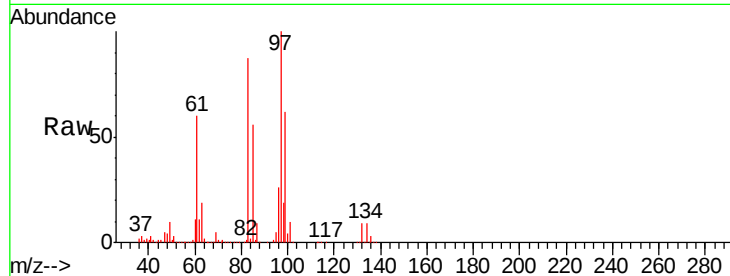
#55
 1,1,2-Trichloroethane
 Concen: 48.81 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005112.D
 Acq: 08 Oct 2018 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

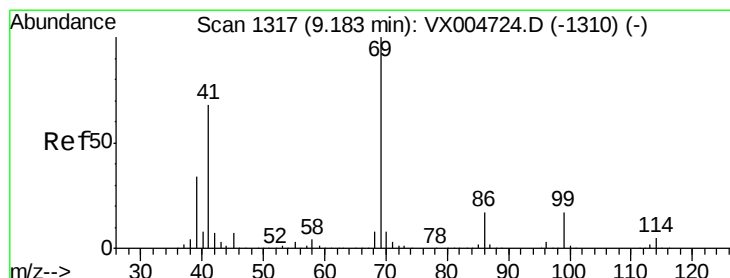
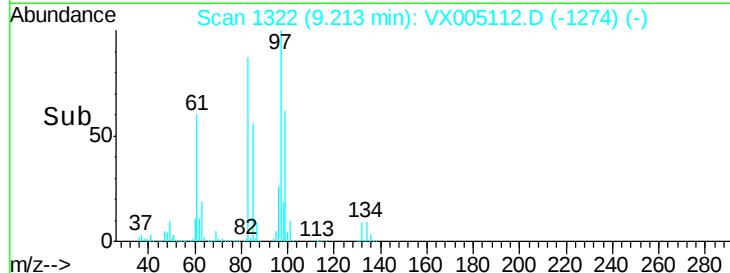
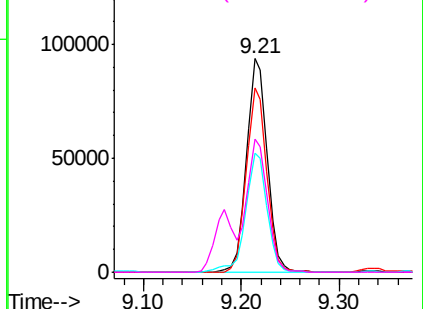
Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.5	68.2	102.2
85	55.8	49.9	74.9
99	62.4	48.9	73.3

Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:46 PM

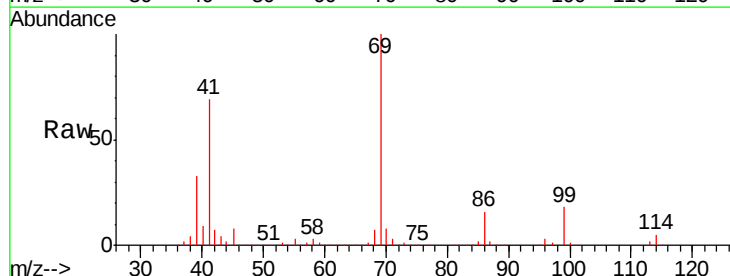


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

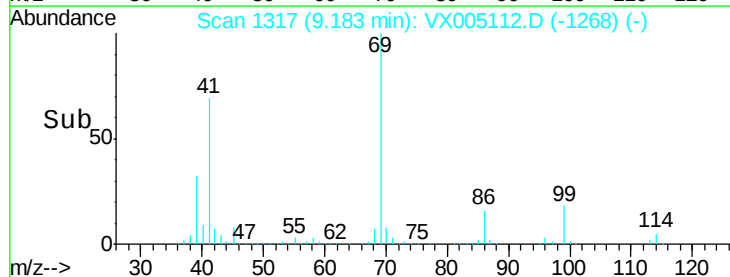
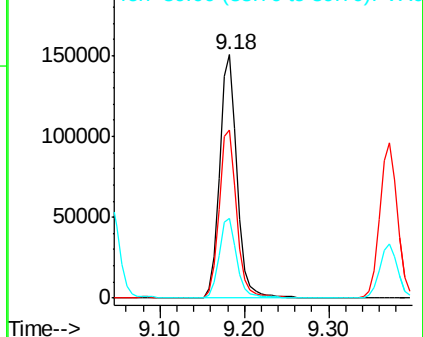


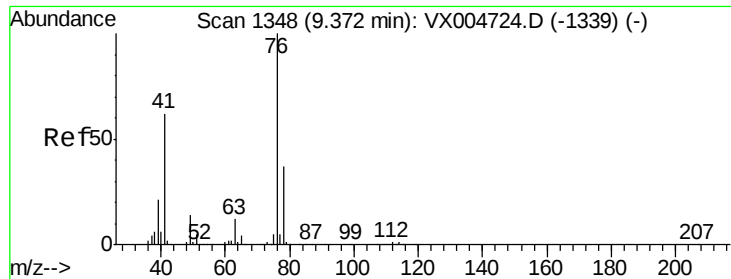
#56
 Ethyl methacrylate
 Concen: 47.29 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005112.D
 Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.9	85.3
39	33.3	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: 48.66 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 228050

Ion Ratio Lower Upper

76 100

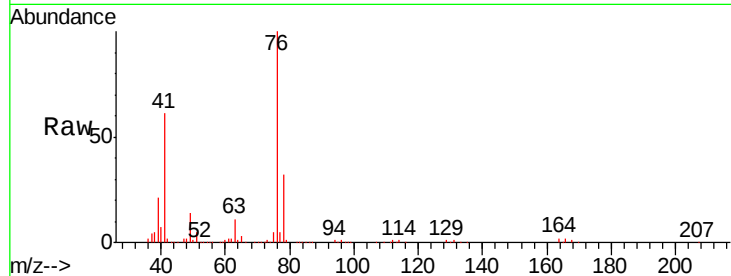
78 32.2 26.6 40.0

Manual Integrations

APPROVED

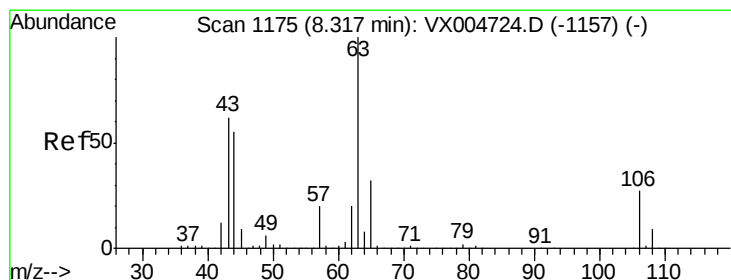
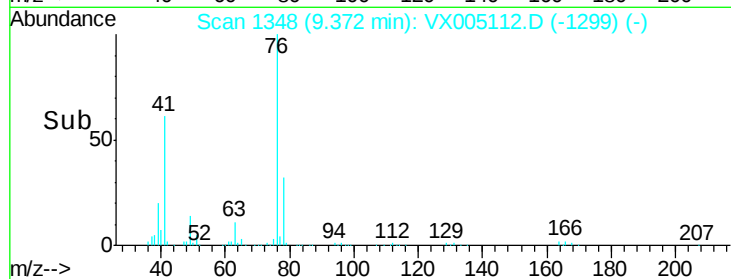
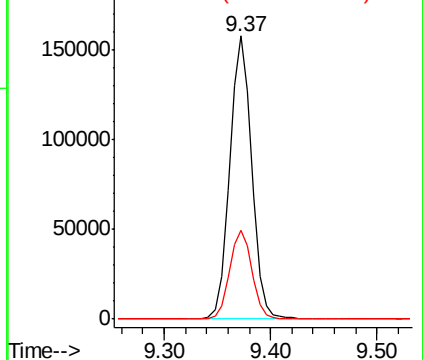
MMDadoda

10/9/2018 1:47:46 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 228.85 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005112.D

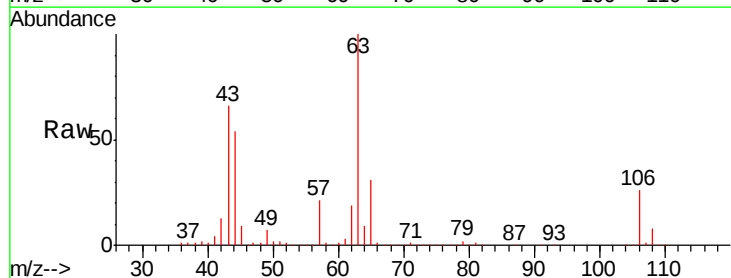
Acq: 08 Oct 2018 08:18

Tgt Ion: 63 Resp: 552144

Ion Ratio Lower Upper

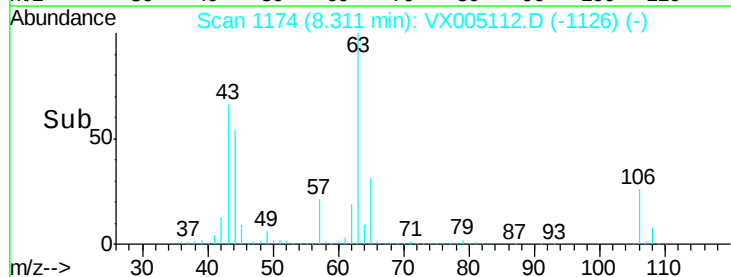
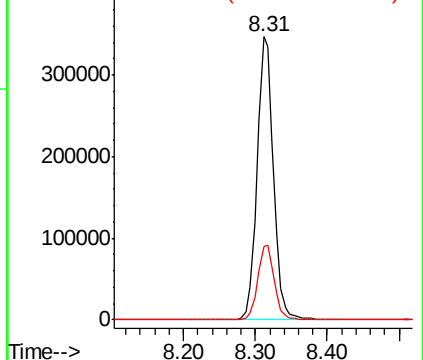
63 100

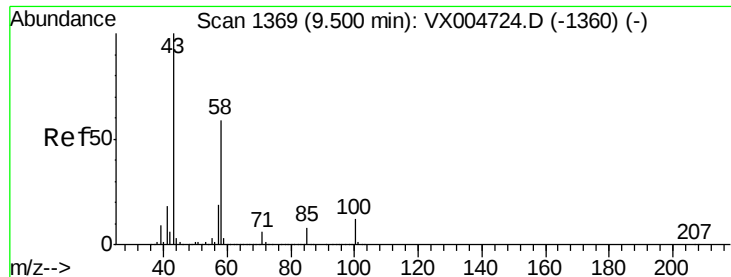
106 26.8 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





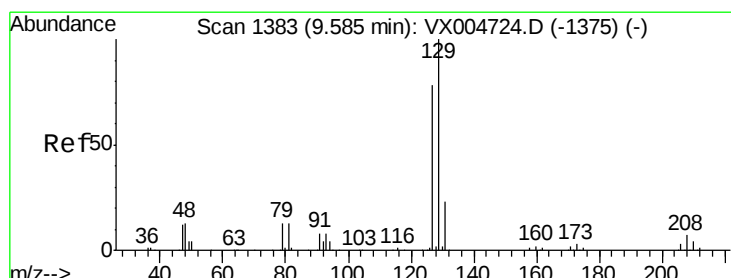
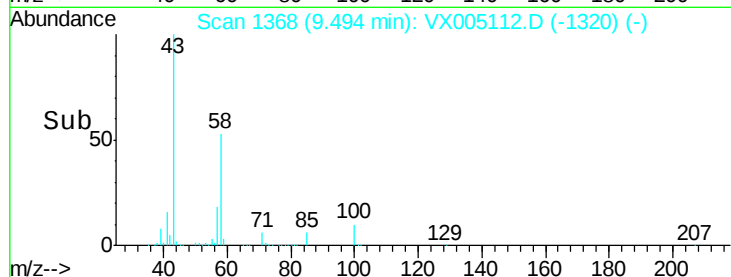
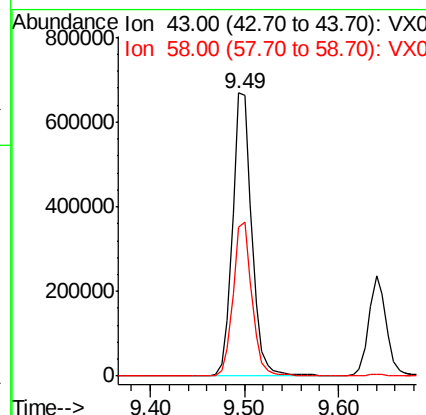
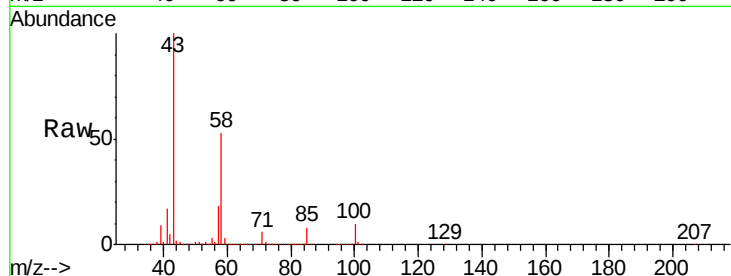
#59
2-Hexanone
Concen: 252.32 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 947826
Ion Ratio Lower Upper
43 100
58 53.6 28.4 85.3

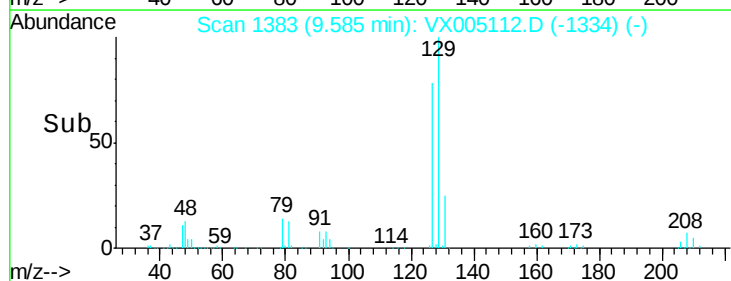
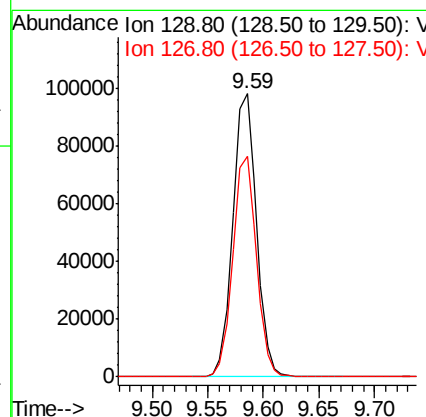
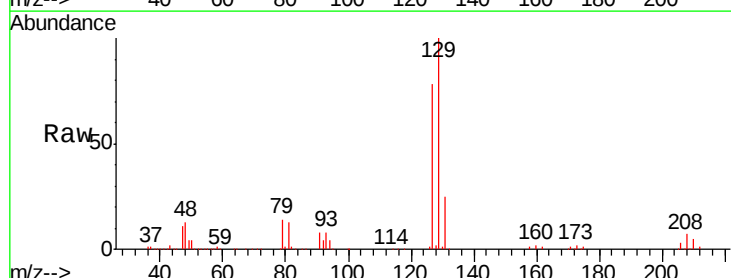
Manual Integrations
APPROVED

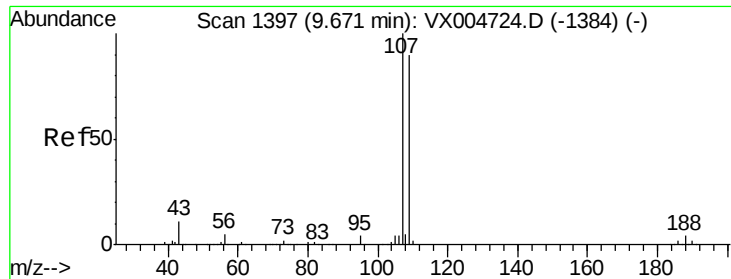
MMDadoda
10/9/2018 1:47:46 PM



#60
Dibromochloromethane
Concen: 51.19 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion: 129 Resp: 144164
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





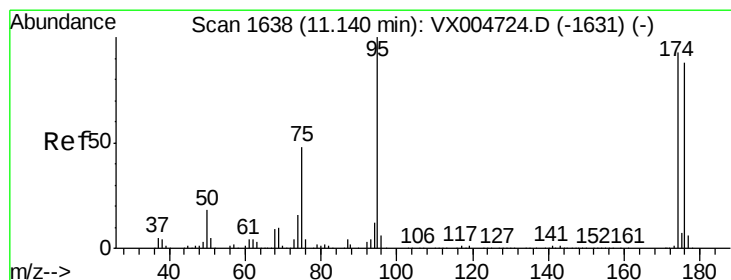
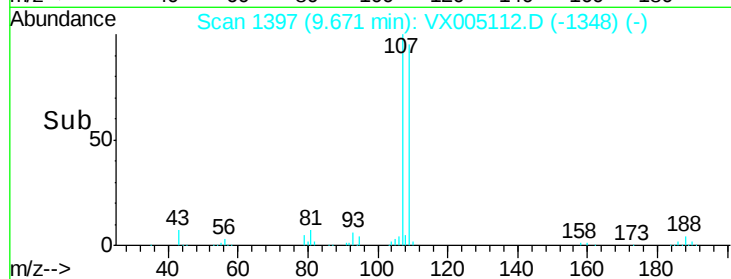
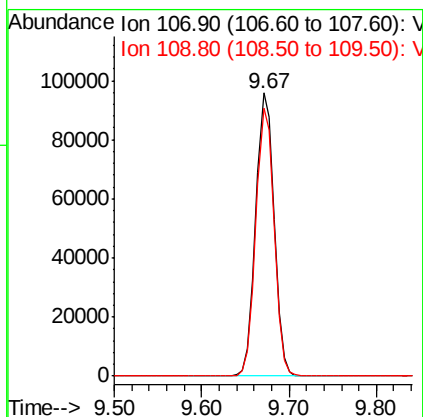
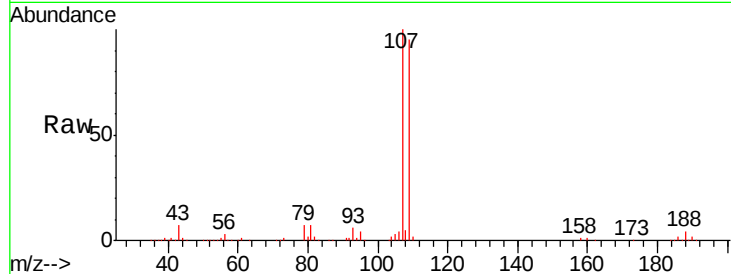
#61
1,2-Dibromoethane
Concen: 46.23 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	139417		
109	94.6	72.1	108.1	

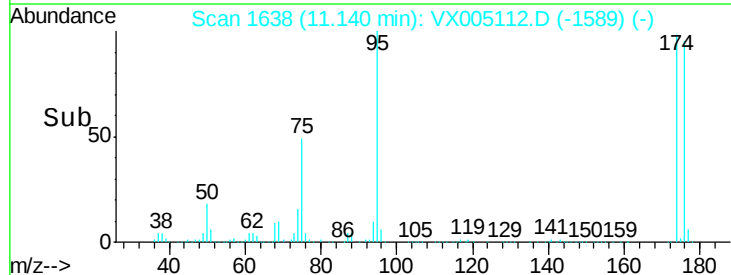
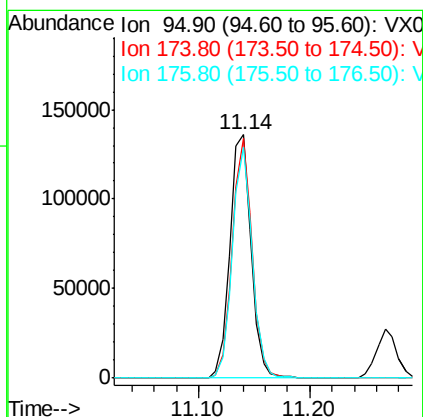
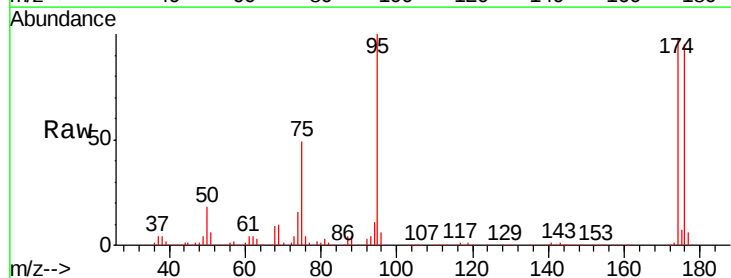
Manual Integrations
APPROVED

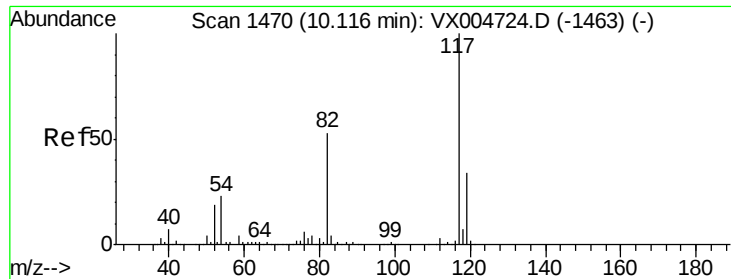
MMDadoda
10/9/2018 1:47:46 PM



#62
4-Bromofluorobenzene
Concen: 54.38 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	178394		
174	92.6	0.0	185.0	
176	89.6	0.0	180.2	





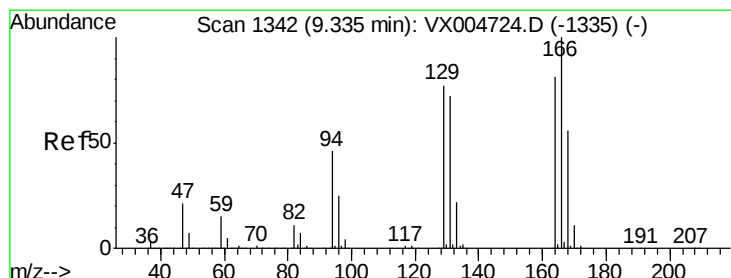
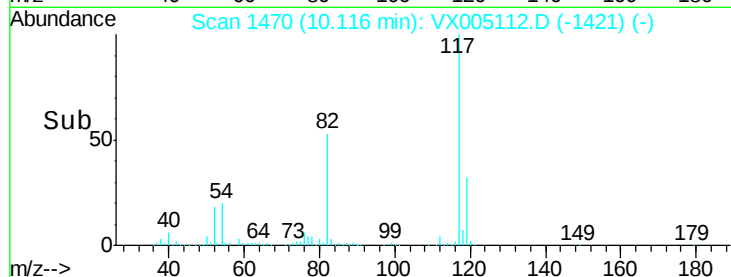
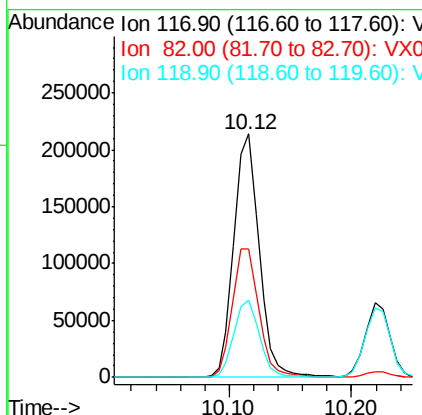
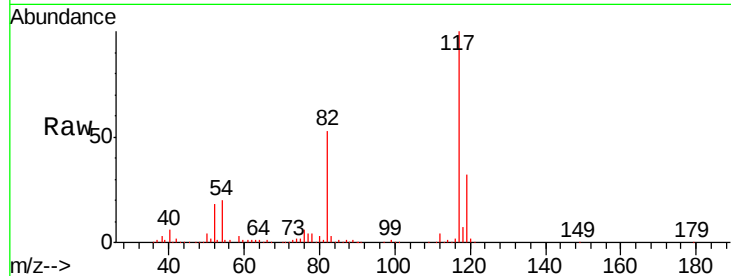
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	307809		
82	52.9	42.2	63.4	
119	31.9	27.4	41.0	

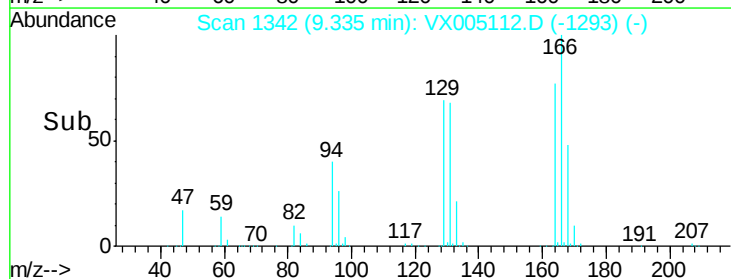
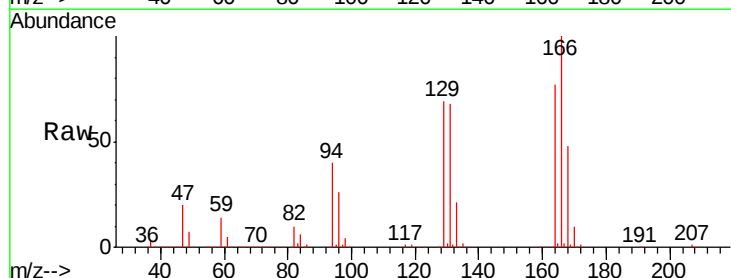
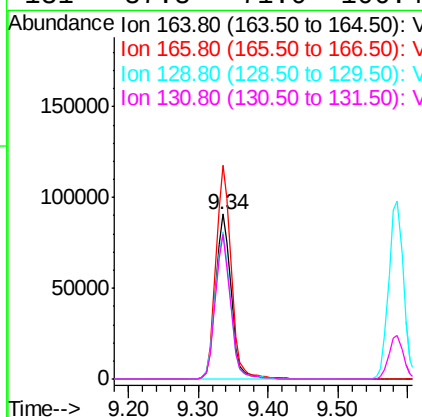
Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#64
Tetrachloroethene
Concen: 46.34 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	140392		
166	129.5	98.4	147.6	
129	89.3	76.1	114.1	
131	87.8	71.0	106.4	





#65

Chlorobenzene

Concen: 46.60 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tgt Ion:112 Resp: 367822

Ion Ratio Lower Upper

112 100

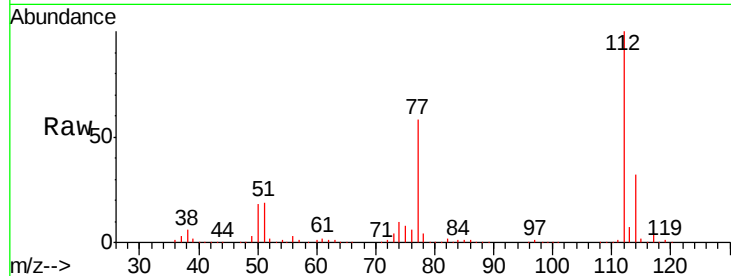
114 32.4 26.7 40.1

Manual Integrations

APPROVED

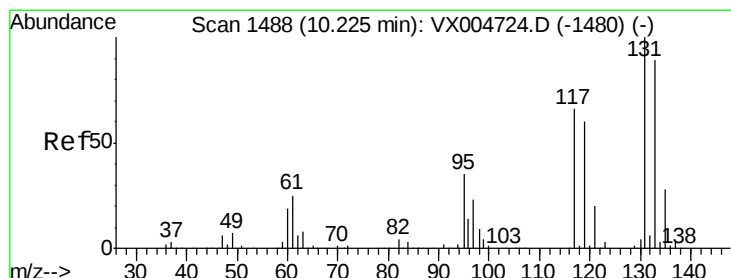
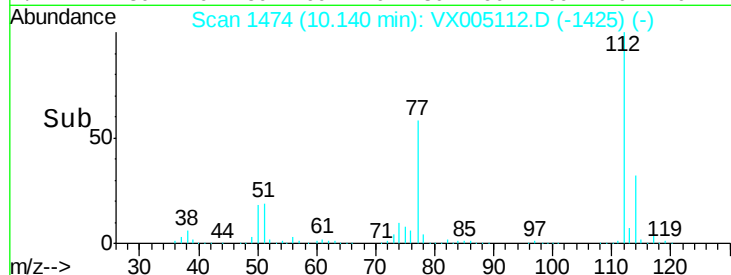
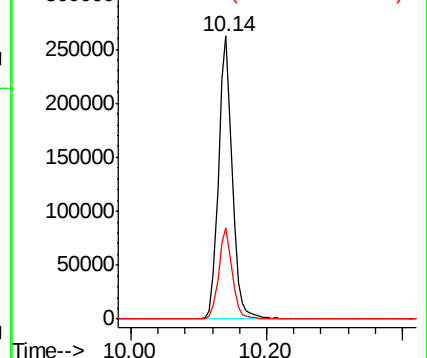
MMDadoda

10/9/2018 1:47:46 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.91 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

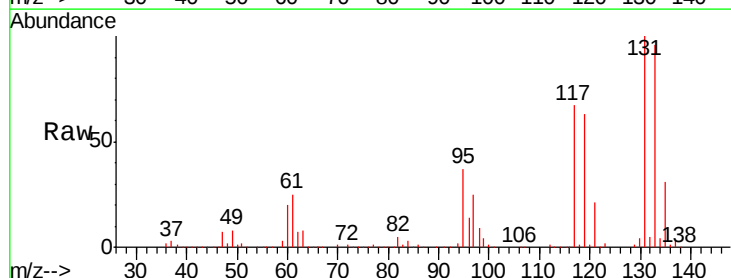
Tgt Ion:131 Resp: 135726

Ion Ratio Lower Upper

131 100

133 96.5 48.4 145.0

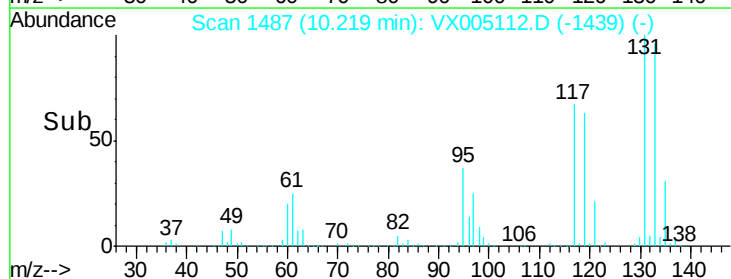
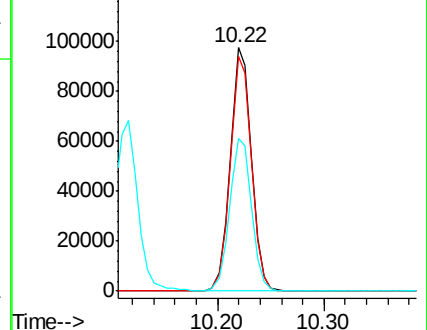
119 64.9 32.3 96.8

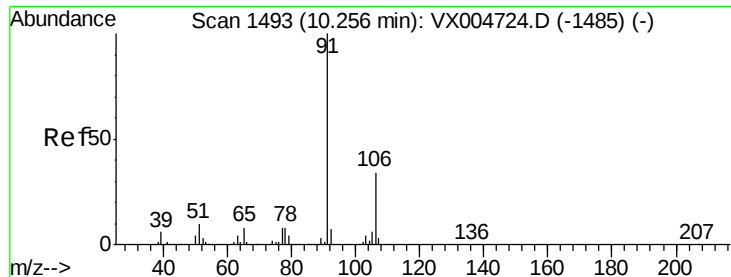


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





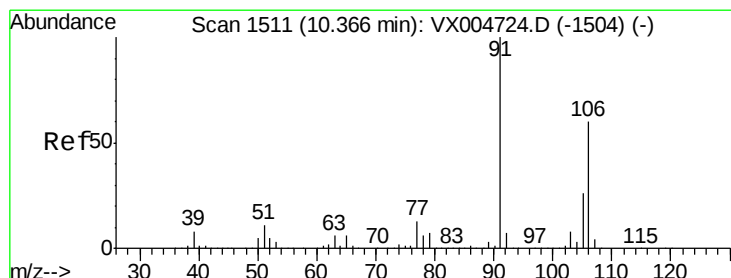
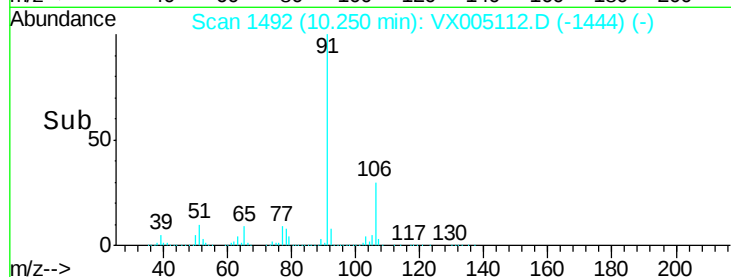
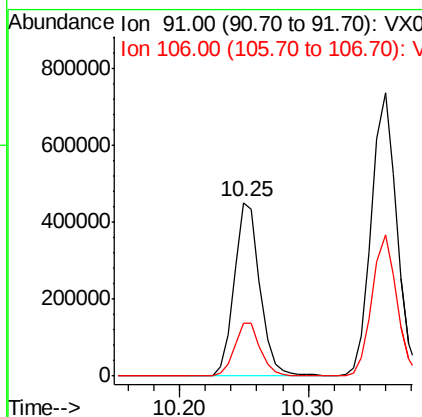
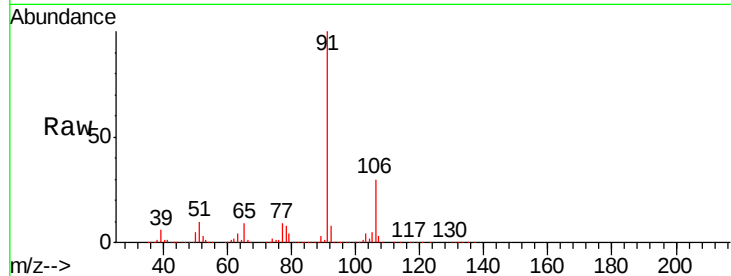
#67
Ethyl Benzene
Concen: 50.22 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 629331
Ion Ratio Lower Upper
91 100
106 30.3 26.9 40.3

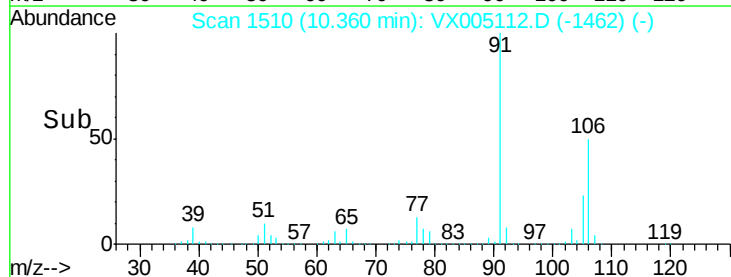
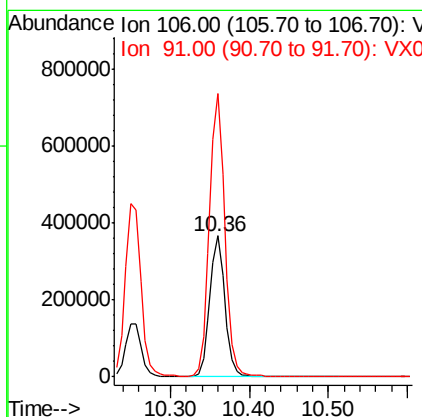
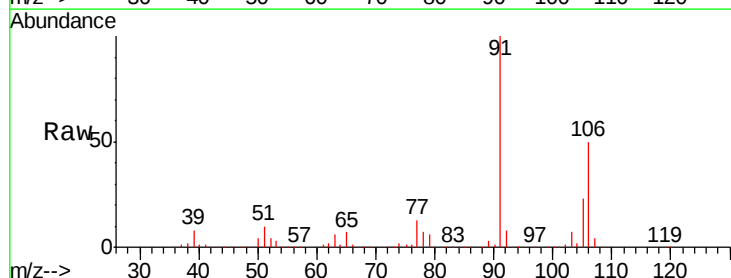
Manual Integrations
APPROVED

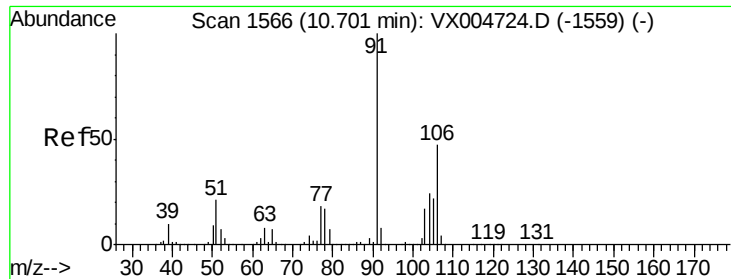
MMDadoda
10/9/2018 1:47:46 PM



#68
m/p-Xylenes
Concen: 100.81 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion: 106 Resp: 493645
Ion Ratio Lower Upper
106 100
91 202.9 157.5 236.3





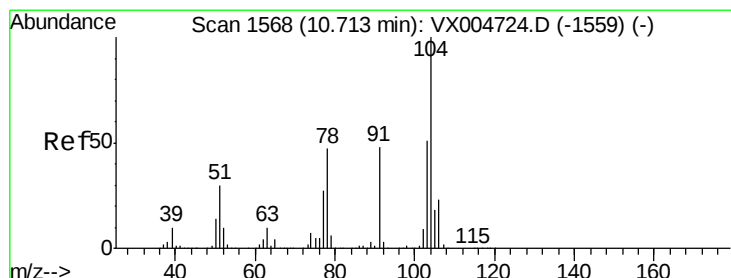
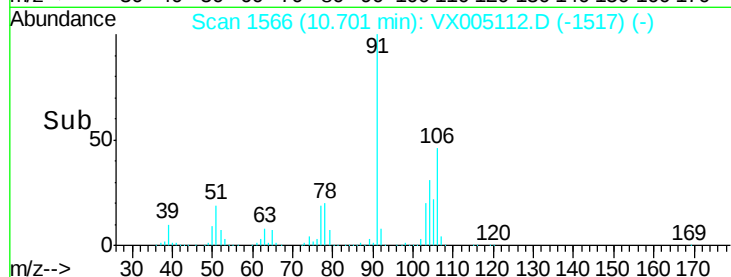
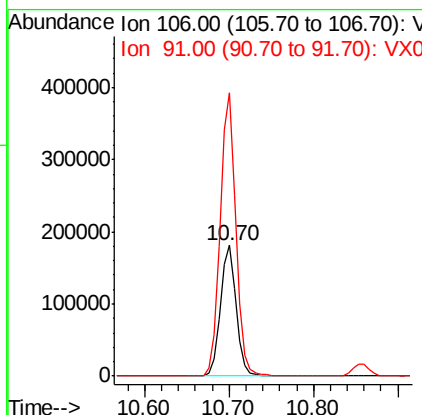
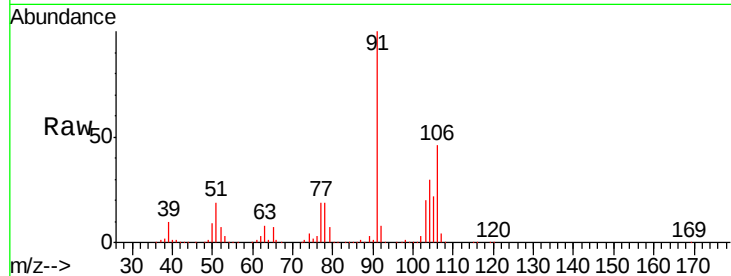
#69
o-Xylene
Concen: 52.21 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 234808
Ion Ratio Lower Upper
106 100
91 216.4 108.3 324.8

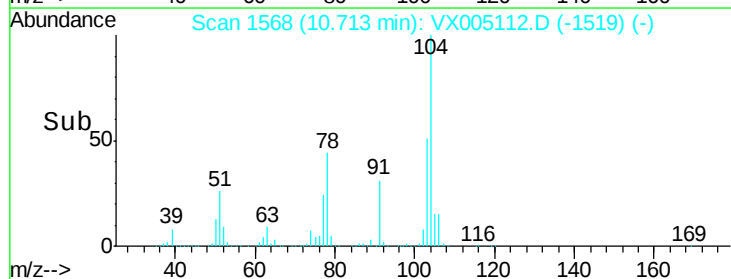
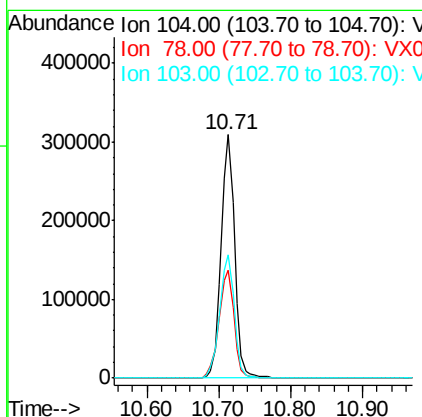
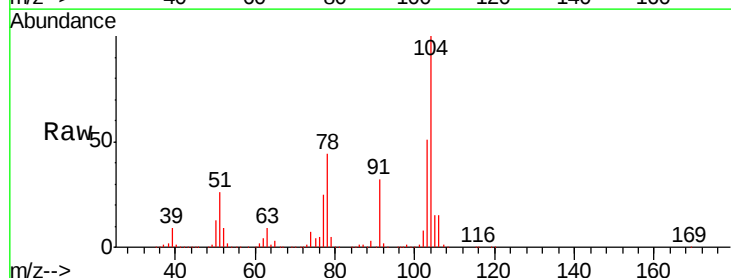
Manual Integrations
APPROVED

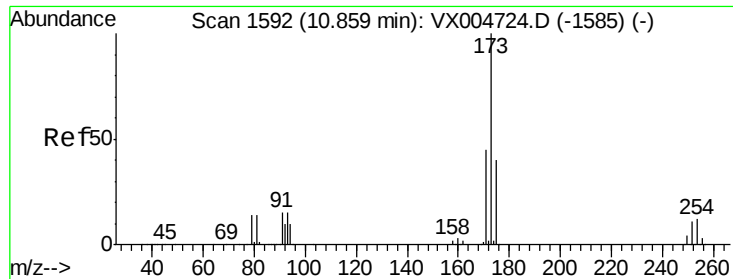
MMDadoda
10/9/2018 1:47:46 PM



#70
Styrene
Concen: 48.09 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion:104 Resp: 403851
Ion Ratio Lower Upper
104 100
78 49.3 40.0 60.0
103 55.2 44.3 66.5





#71

Bromoform

Concen: 50.84 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

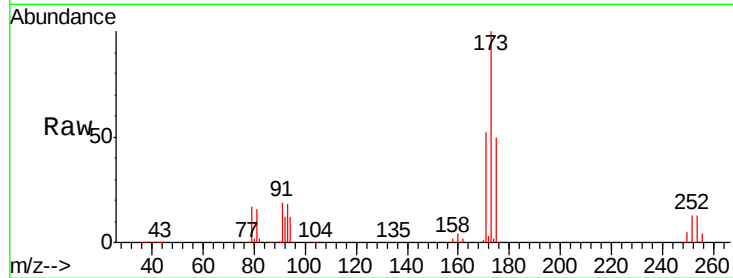
ClientSampleId :

VSTDCCC050

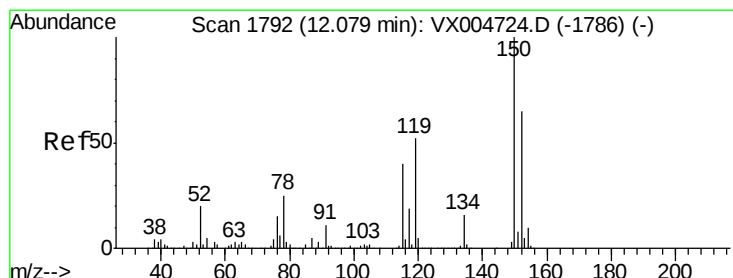
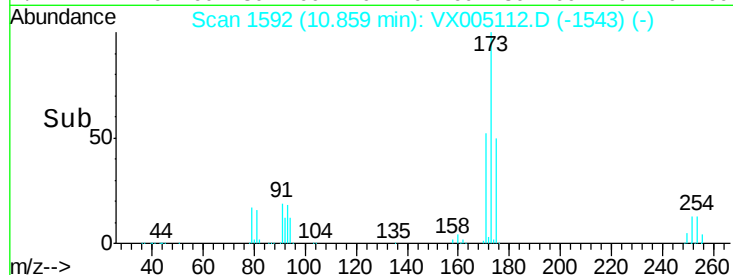
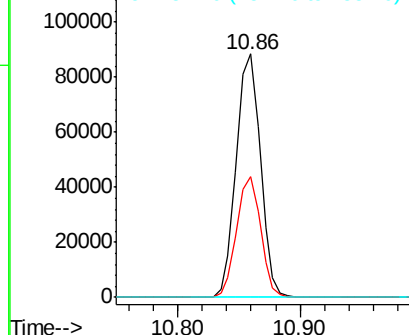
Tgt Ion:	173	Resp:	120784
Ion Ratio	Lower	Upper	
173	100		
175	49.1	23.3	69.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

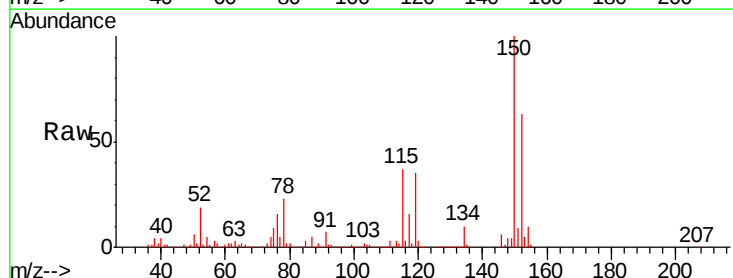
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

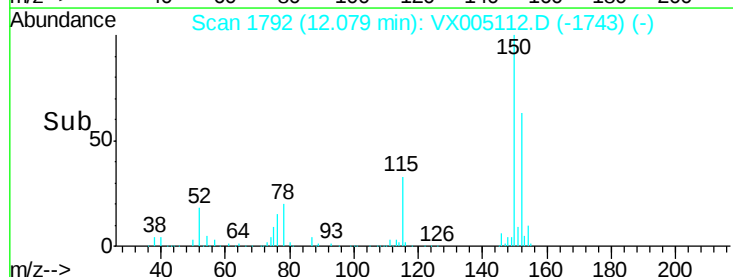
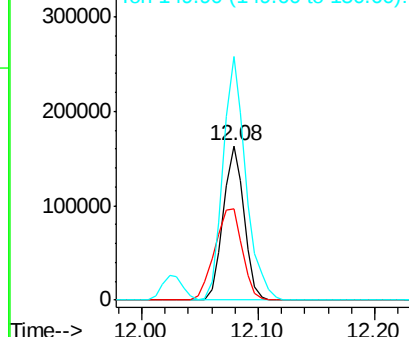
Lab File: VX005112.D

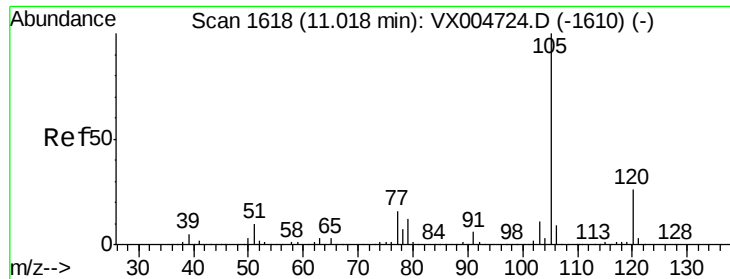
Acq: 08 Oct 2018 08:18

Tgt Ion:	152	Resp:	200793
Ion Ratio	Lower	Upper	
152	100		
115	77.9	40.2	120.6
150	172.8	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.34 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 649835

Ion Ratio Lower Upper

105 100

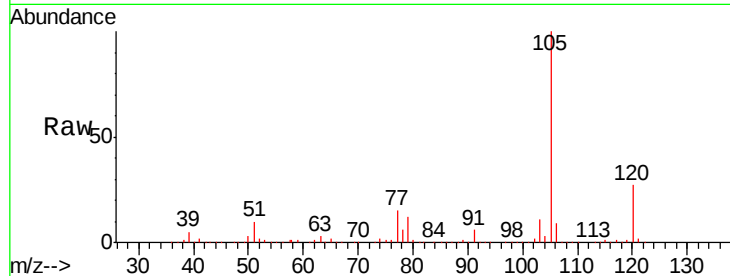
120 26.8

13.2 39.5

Manual Integrations
APPROVED

MMDadoda

10/9/2018 1:47:46 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

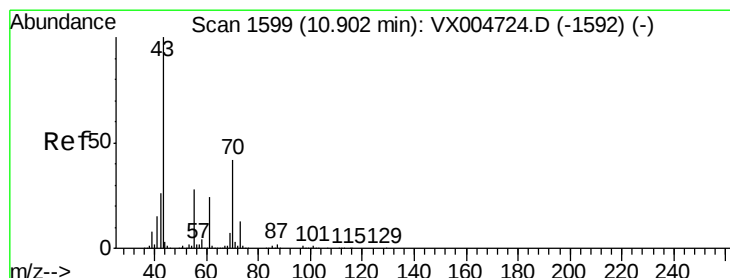
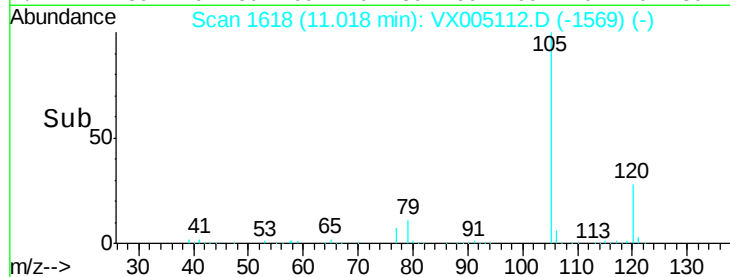
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 44.60 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion: 43 Resp: 308924

Ion Ratio Lower Upper

43 100

70 40.4 32.6 48.8

55 24.9 21.6 32.4

61 23.4 19.1 28.7

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

400000

300000

200000

100000

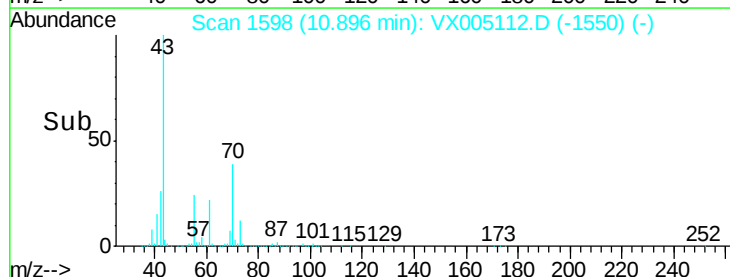
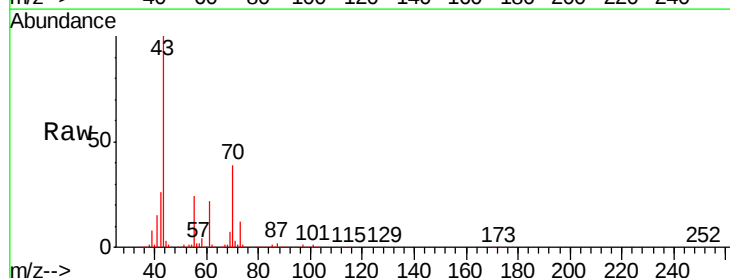
0

10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 43.92 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

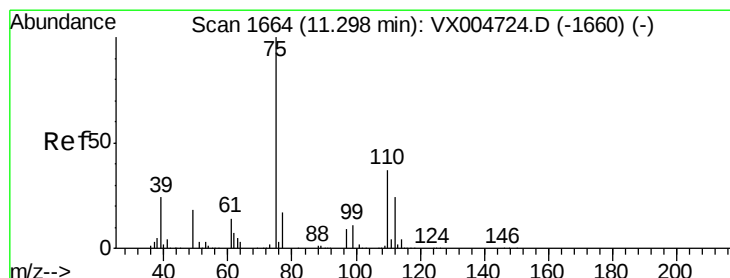
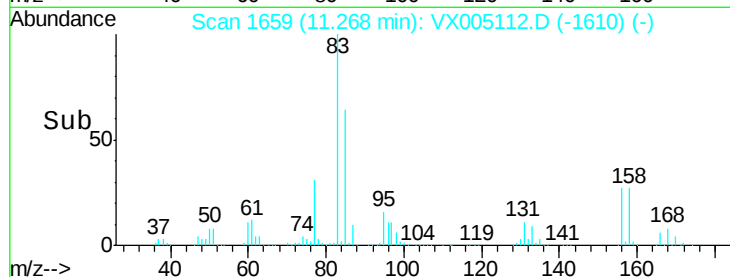
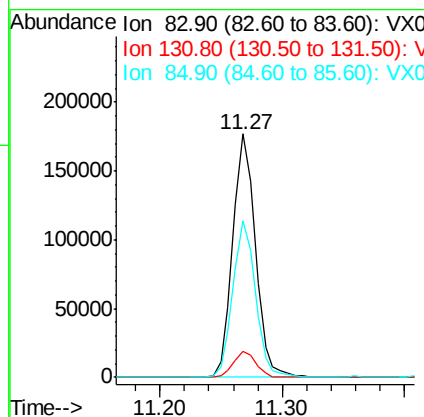
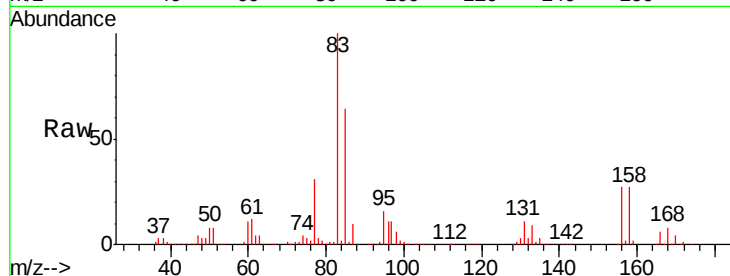
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	226274
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.3
85	64.3	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#76

1,2,3-Trichloropropane

Concen: 47.04 ug/l m

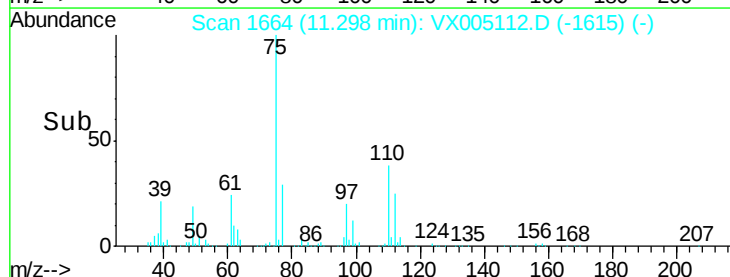
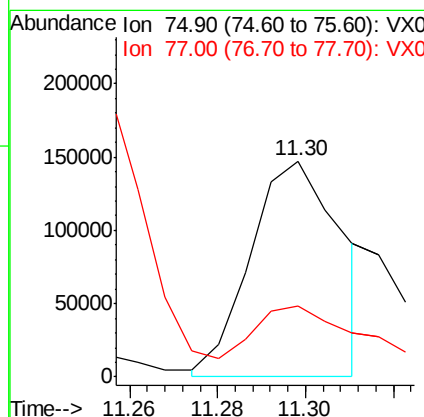
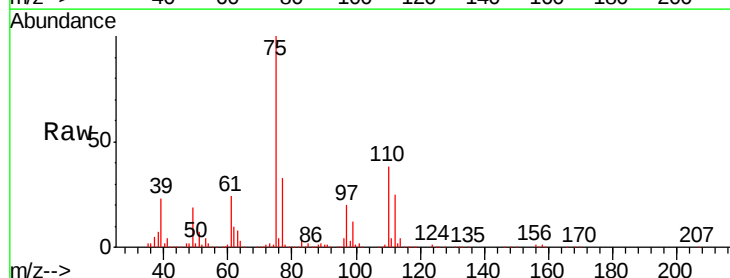
RT: 11.30 min Scan# 1664

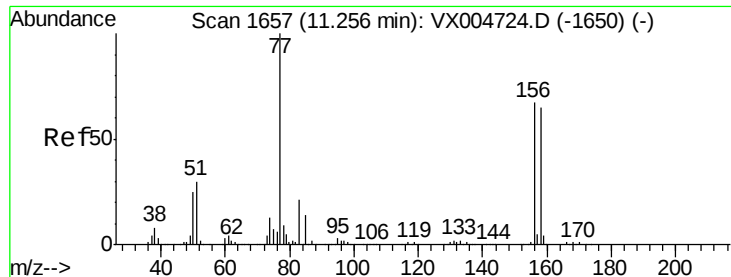
Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion:	75	Resp:	211712
Ion	Ratio	Lower	Upper
75	100		
77	41.0	21.4	64.3





#77

Bromobenzene

Concen: 46.71 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

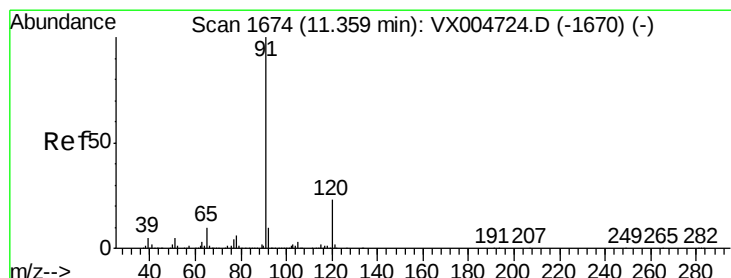
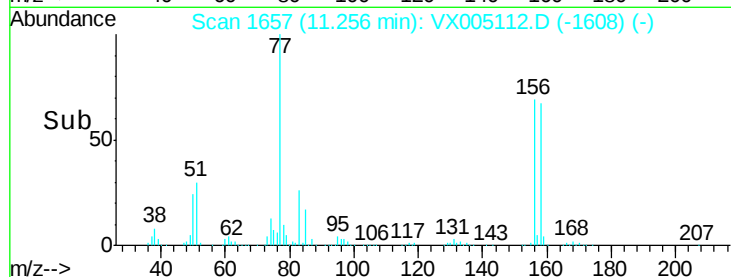
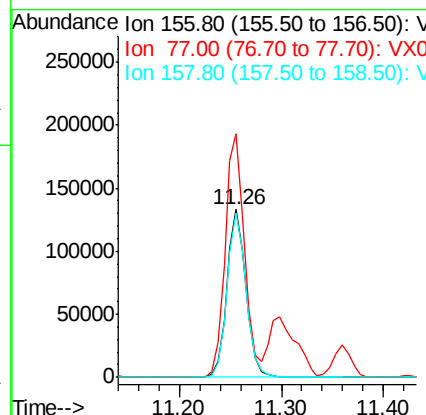
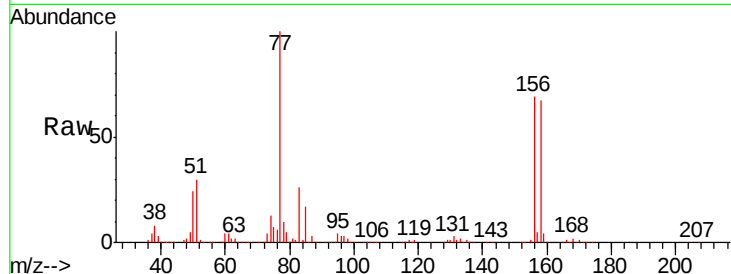
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	148.7	73.4	220.2
158	98.3	49.1	147.4

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#78

n-propylbenzene

Concen: 52.41 ug/l

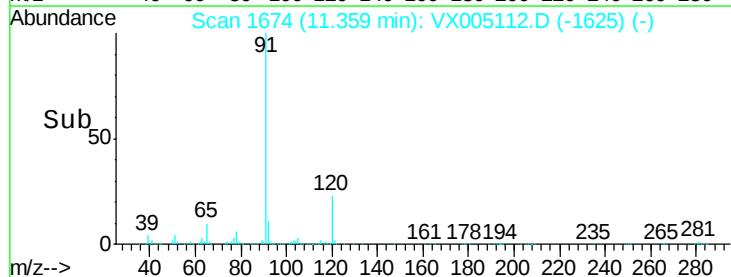
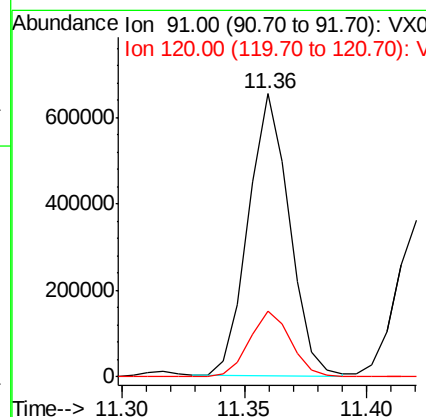
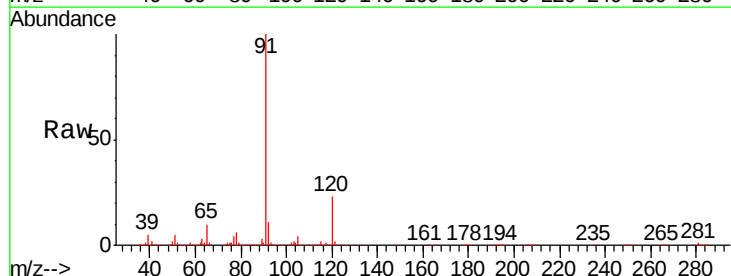
RT: 11.36 min Scan# 1674

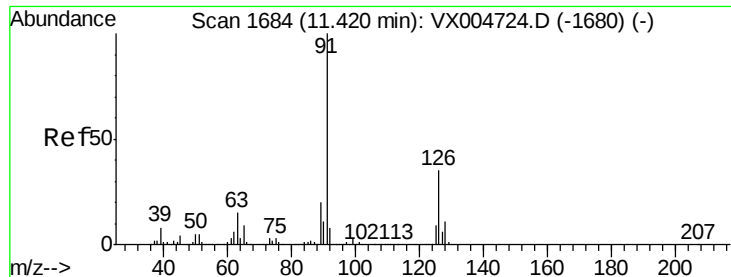
Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.0	36.0





#79

2-Chlorotoluene

Concen: 49.28 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tgt Ion: 91 Resp: 446062

Ion Ratio Lower Upper

91 100

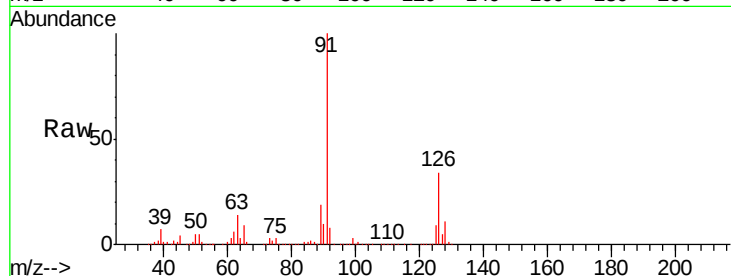
126 35.2 17.6 52.9

Manual Integrations

APPROVED

MMDadoda

10/9/2018 1:47:46 PM



Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX004724.D (-1680) (-)

600000

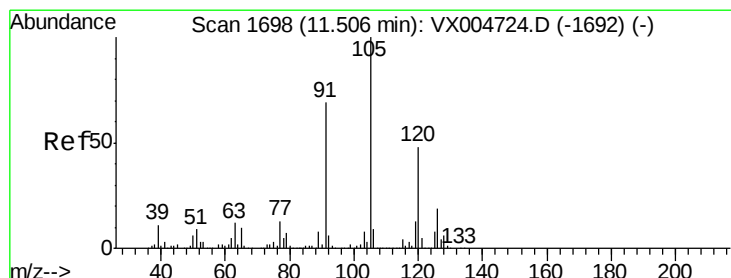
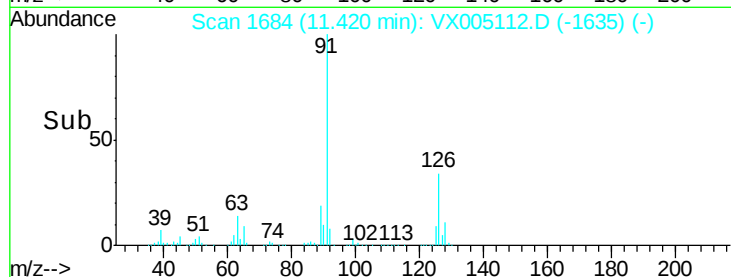
400000

200000

0

11.35 11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.42 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005112.D

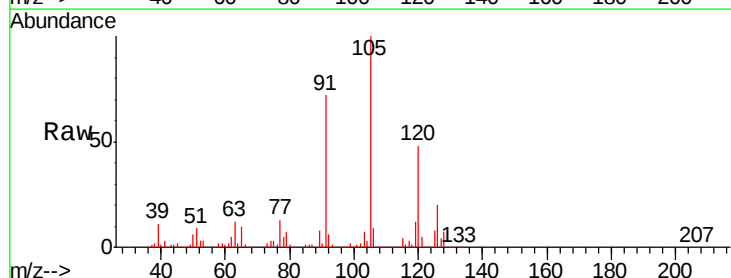
Acq: 08 Oct 2018 08:18

Tgt Ion: 105 Resp: 561762

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX004724.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004724.D (-1692) (-)

500000

400000

300000

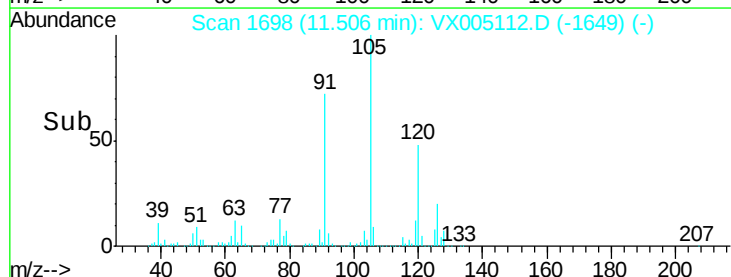
200000

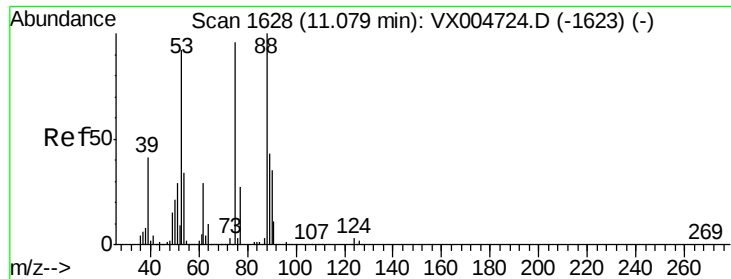
100000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 42.37 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

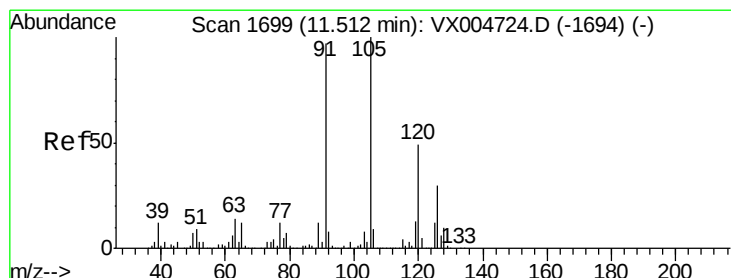
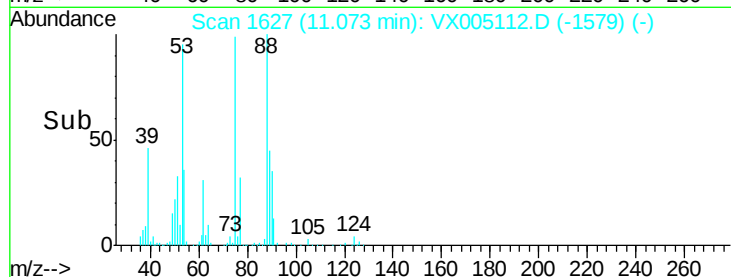
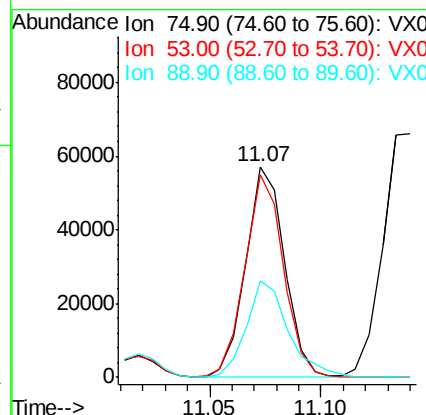
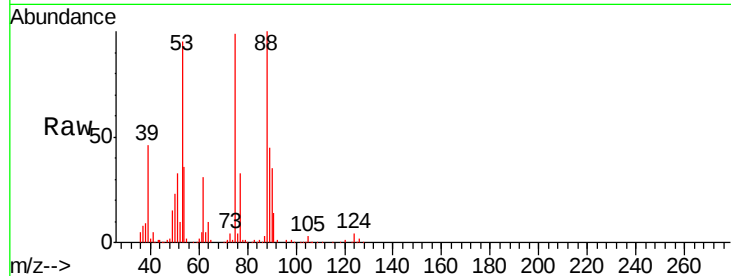
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	69391
Ion	Ratio	Lower	Upper
75	100		
53	95.8	80.2	120.4
89	50.2	37.1	55.7

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#82

4-Chlorotoluene

Concen: 50.00 ug/l

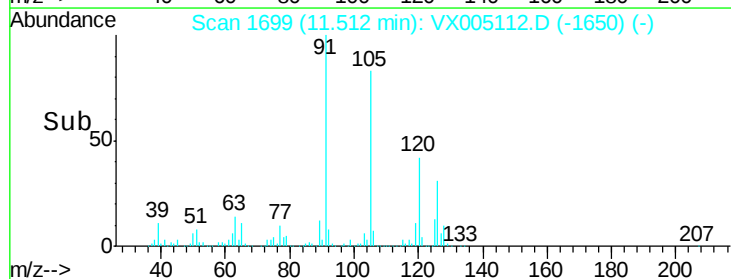
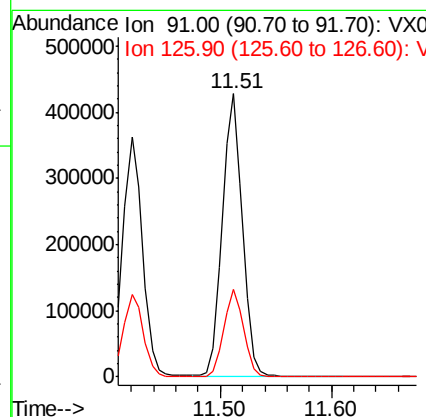
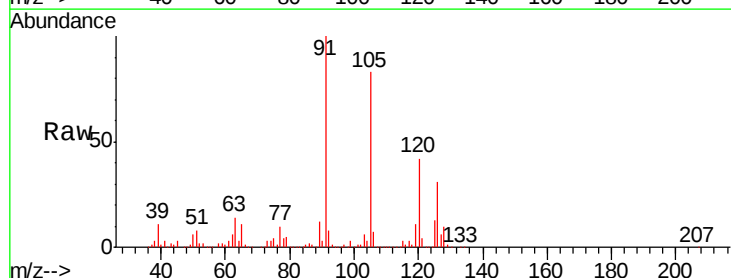
RT: 11.51 min Scan# 1699

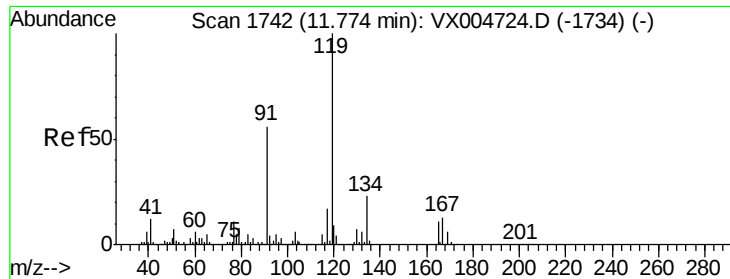
Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion:	91	Resp:	532700
Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.5	46.5





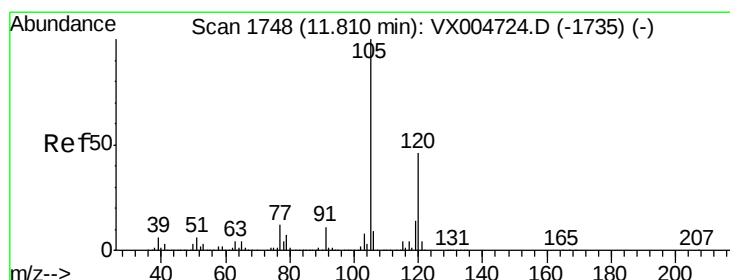
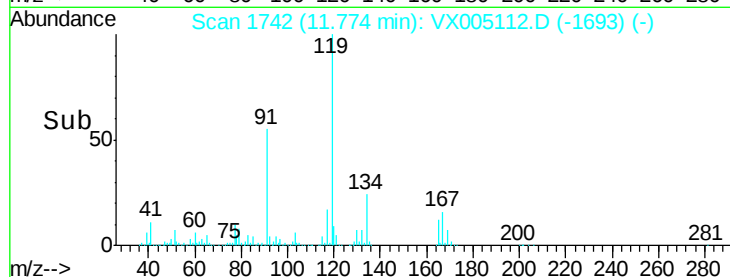
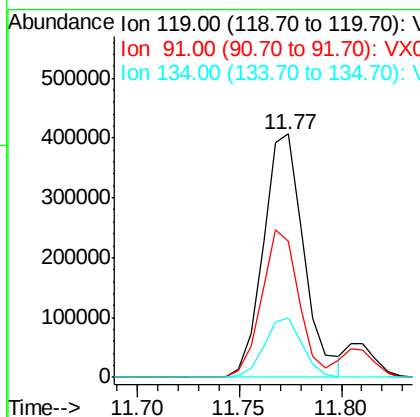
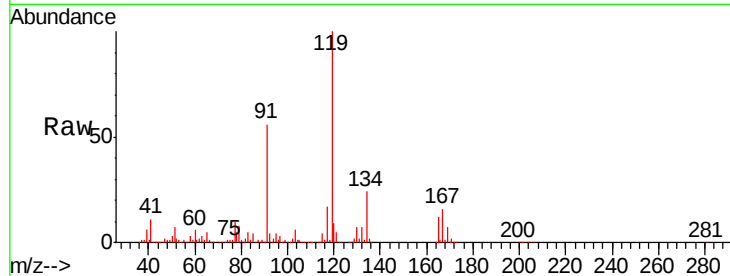
#83
 tert-Butylbenzene
 Concen: 53.97 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005112.D
 Acq: 08 Oct 2018 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.7	27.5	82.5
134	22.7	11.5	34.4

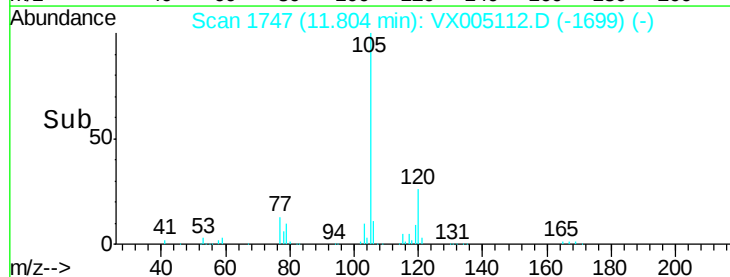
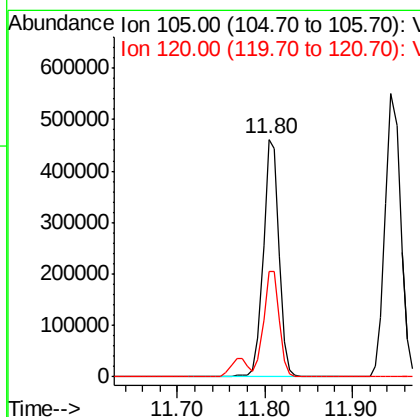
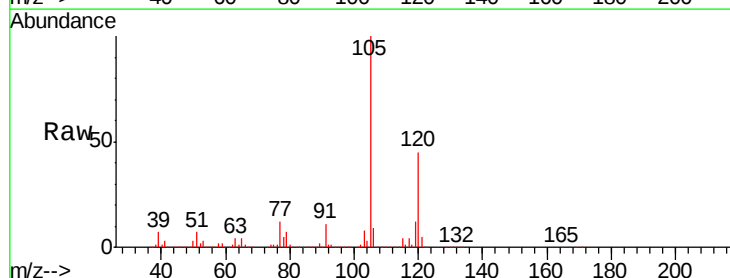
Manual Integrations
 APPROVED

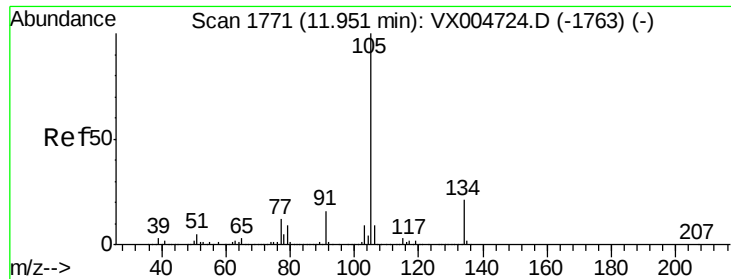
MMDadoda
 10/9/2018 1:47:46 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.36 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX005112.D
 Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.8	68.3





#85

sec-Butylbenzene

Concen: 53.41 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 677852

Ion Ratio Lower Upper

105 100

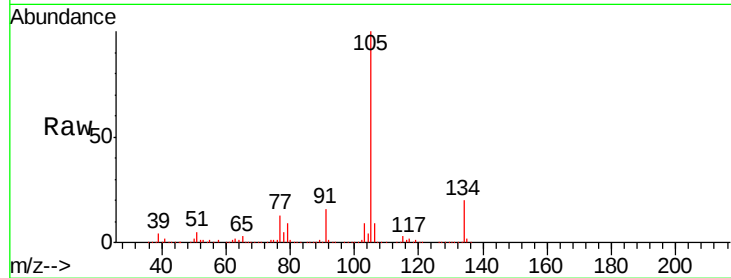
134 20.4 10.2 30.4

Manual Integrations

APPROVED

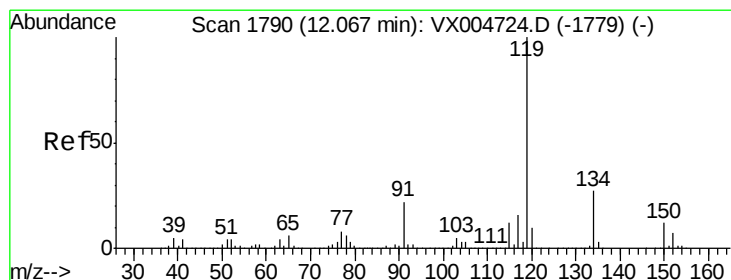
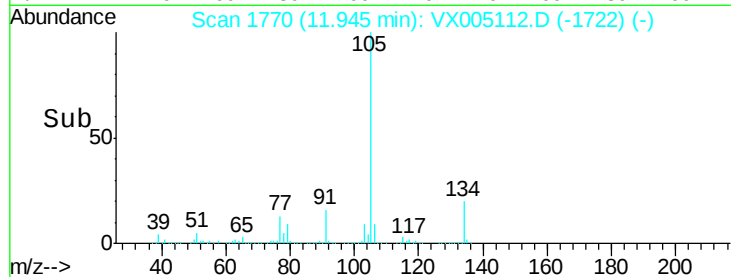
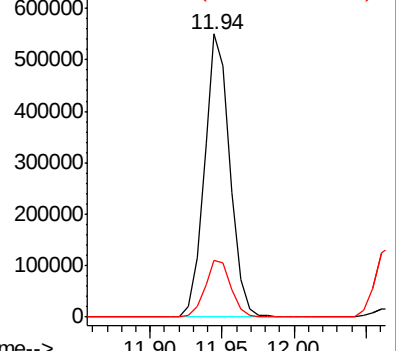
MMDadoda

10/9/2018 1:47:46 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.71 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

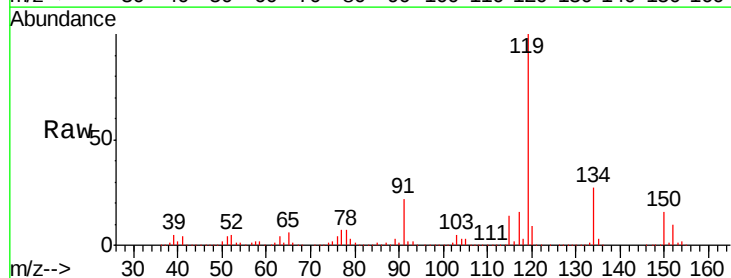
Tgt Ion:119 Resp: 617654

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

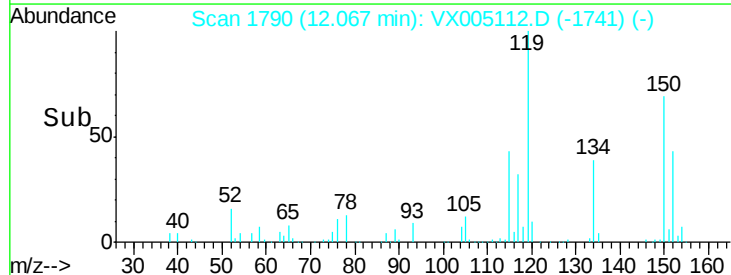
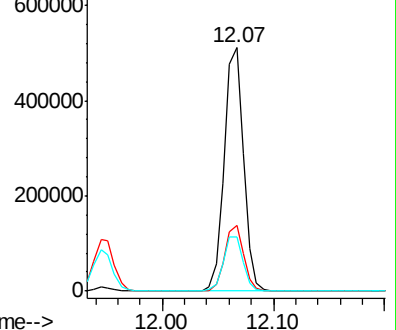
91 23.0 11.5 34.4

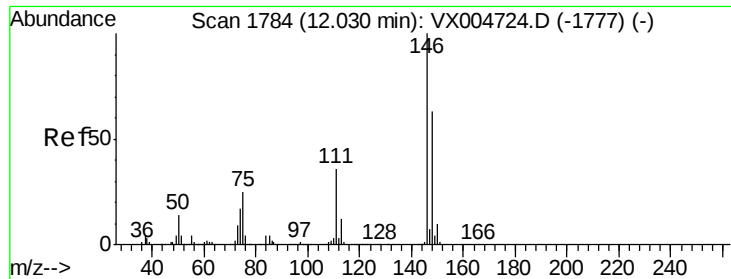


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 48.14 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

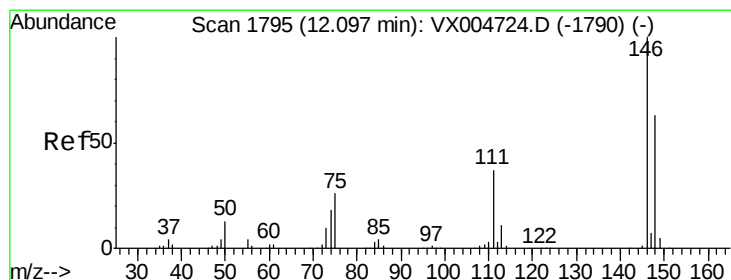
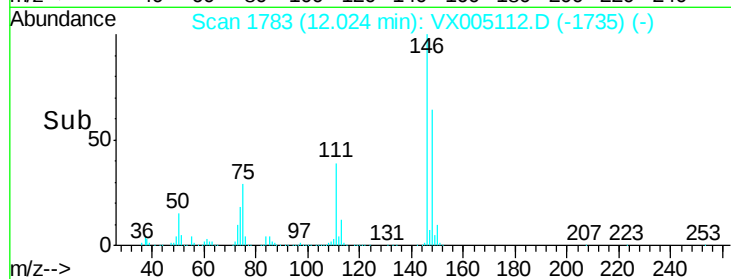
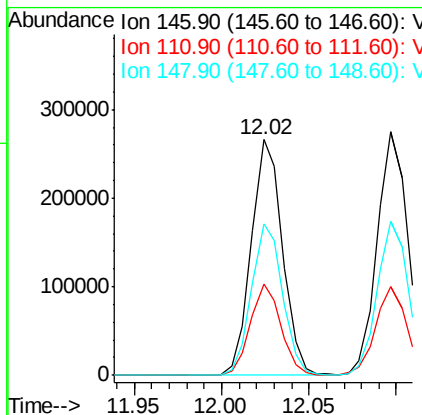
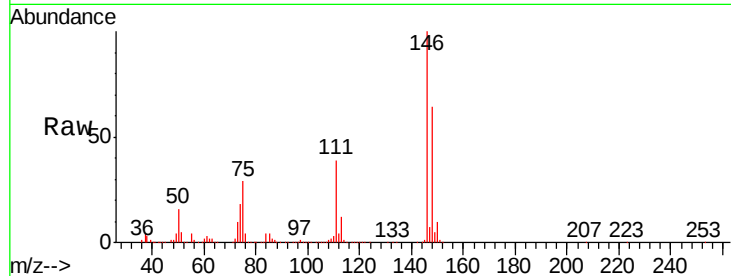
ClientSampled :

VSTDCCC050

Tgt Ion:	146	Resp:	330421
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.9	56.9
148	64.2	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#88

1,4-Dichlorobenzene

Concen: 47.48 ug/l

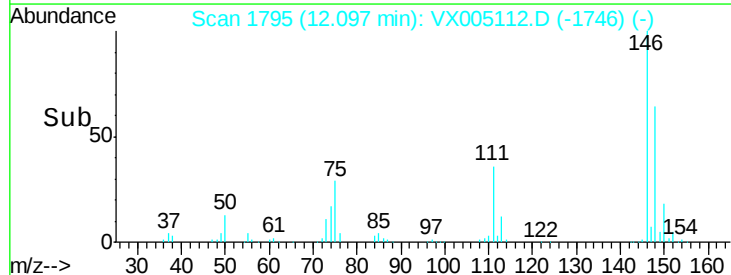
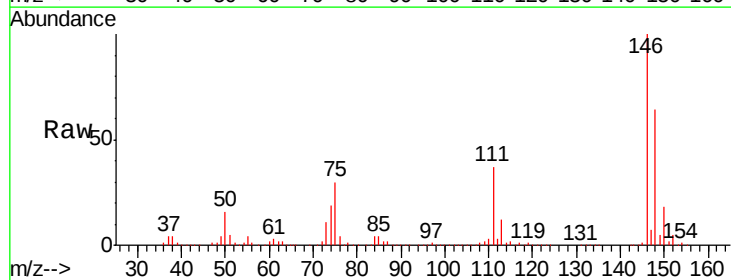
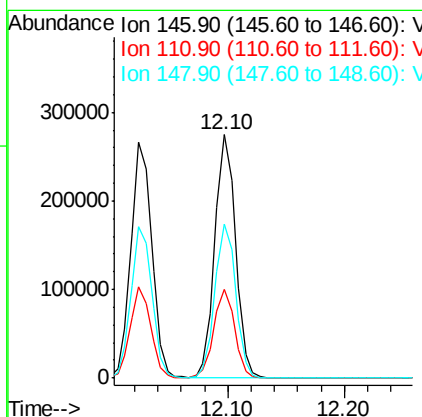
RT: 12.10 min Scan# 1795

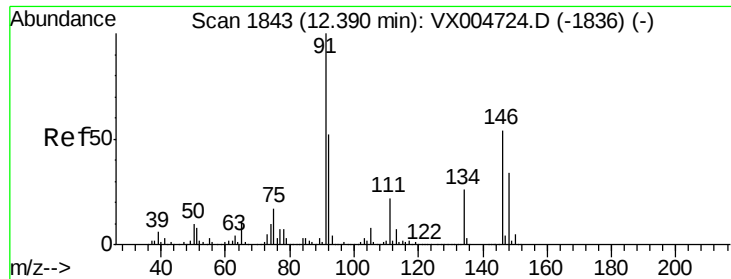
Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion:	146	Resp:	336438
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.4	55.2
148	64.0	32.0	96.0





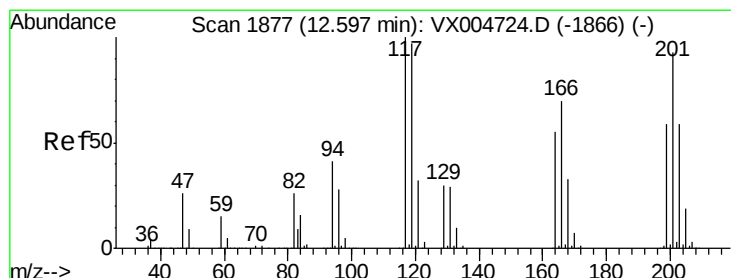
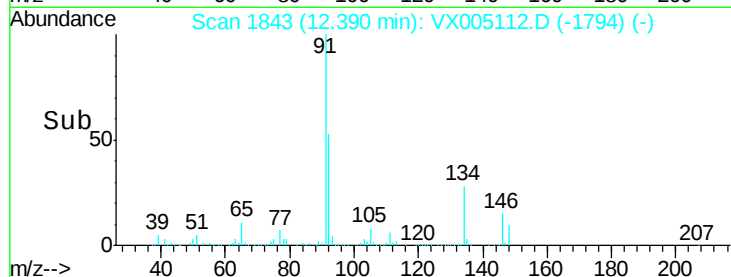
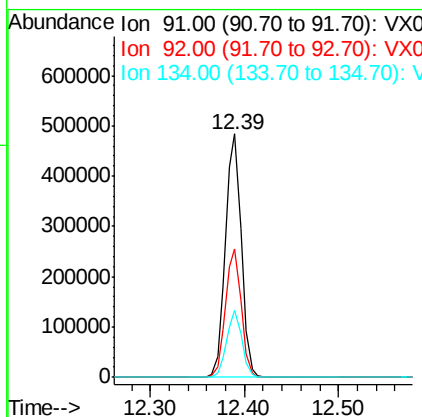
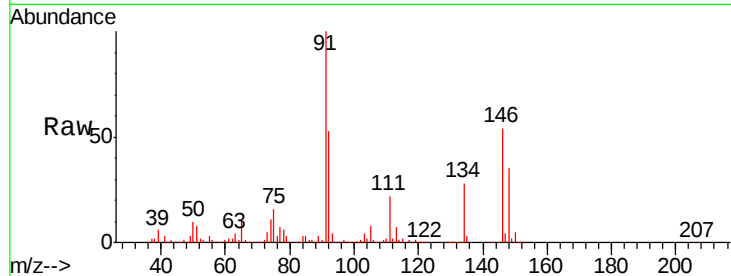
#89
n-Butylbenzene
Concen: 54.07 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 564726
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 26.5 13.2 39.6

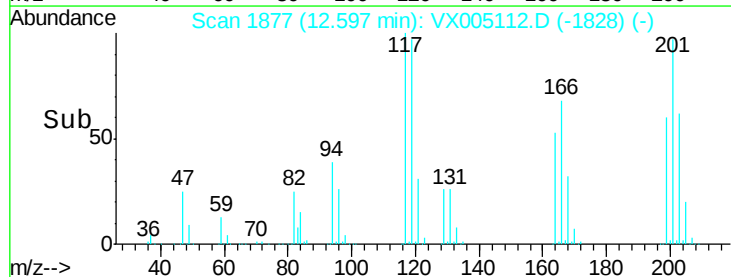
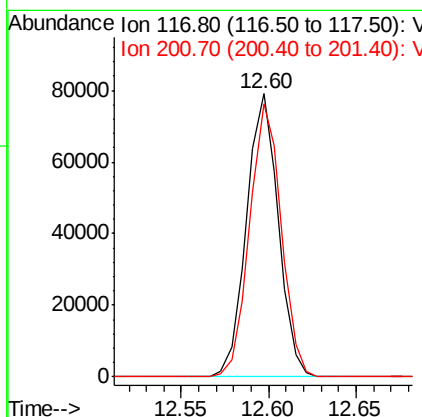
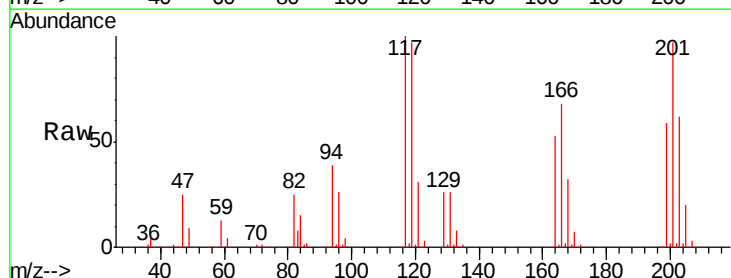
Manual Integrations
APPROVED

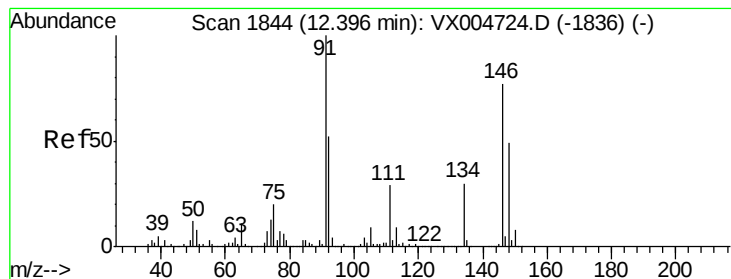
MMDadoda
10/9/2018 1:47:46 PM



#90
Hexachloroethane
Concen: 52.08 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005112.D
Acq: 08 Oct 2018 08:18

Tgt Ion: 117 Resp: 99712
Ion Ratio Lower Upper
117 100
201 96.4 48.4 145.0





#91

1,2-Dichlorobenzene

Concen: 46.42 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

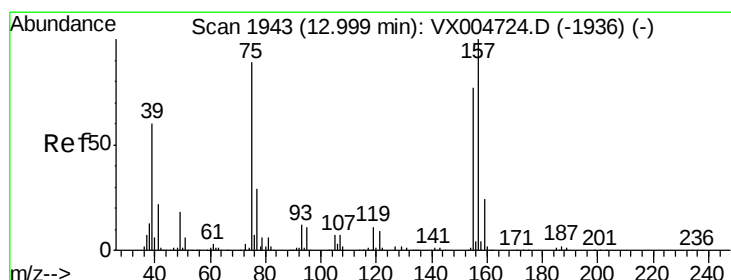
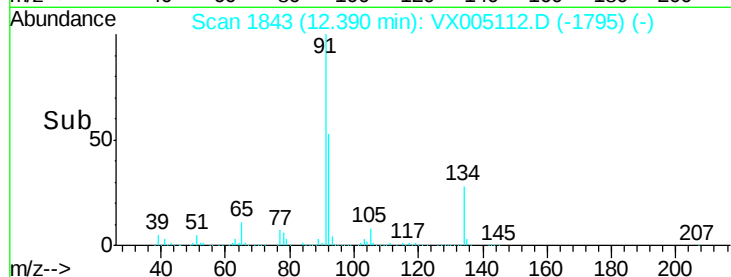
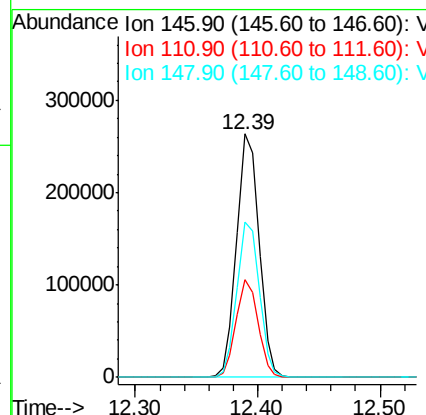
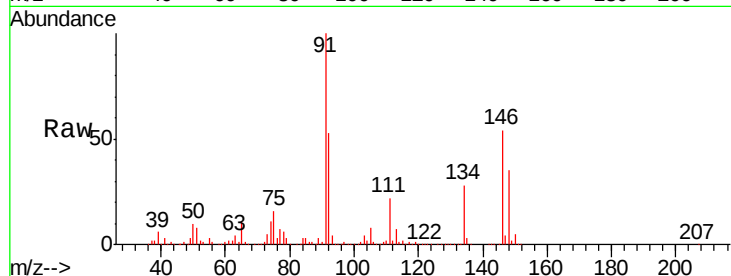
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	332985
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.6	58.7
148	64.1	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.33 ug/l

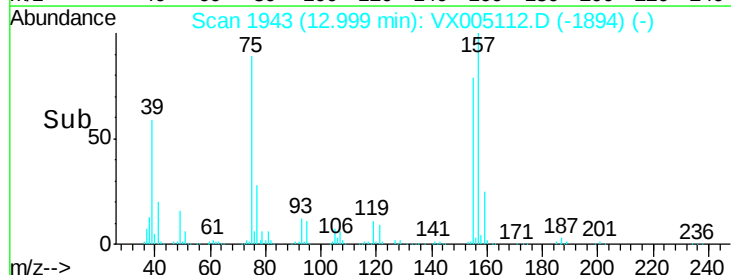
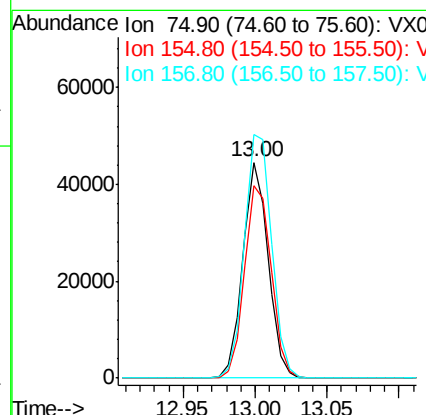
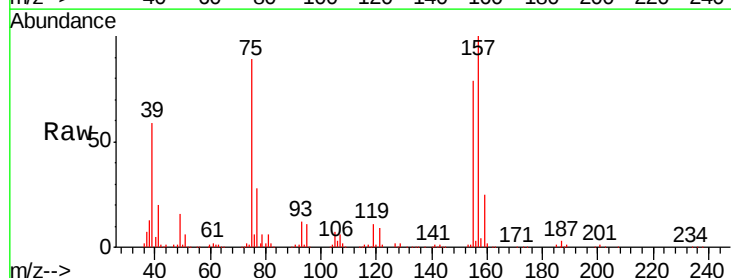
RT: 13.00 min Scan# 1943

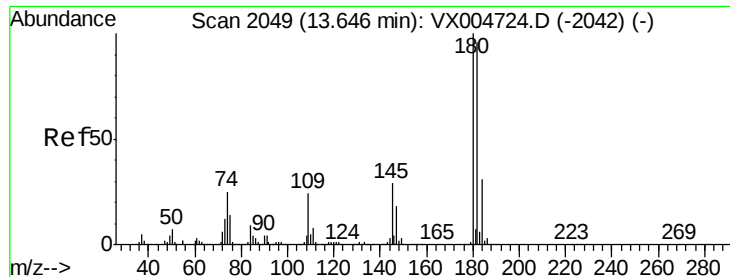
Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion:	75	Resp:	54667
Ion Ratio	Lower	Upper	
75	100		
155	93.7	46.1	138.3
157	120.2	60.2	180.6





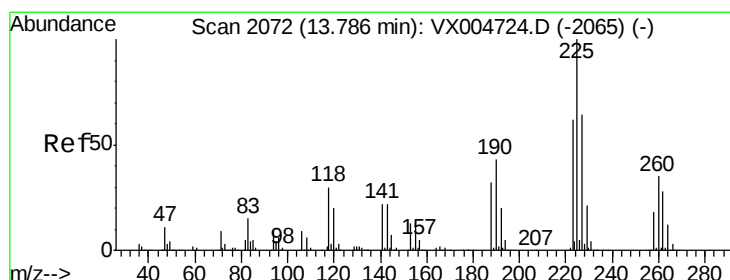
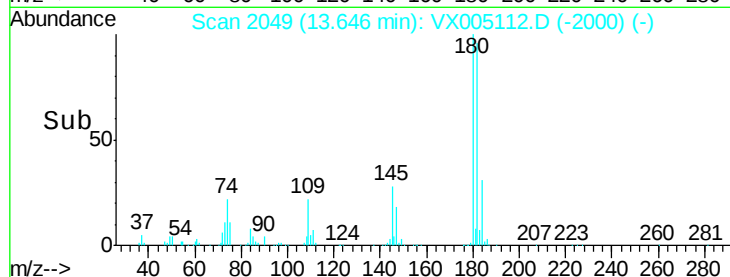
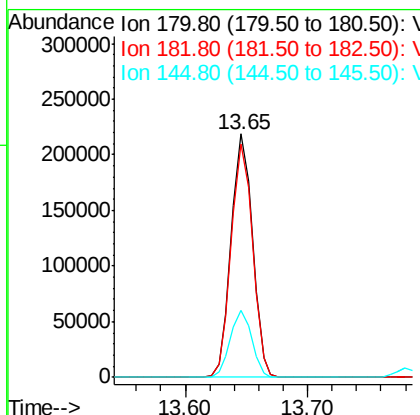
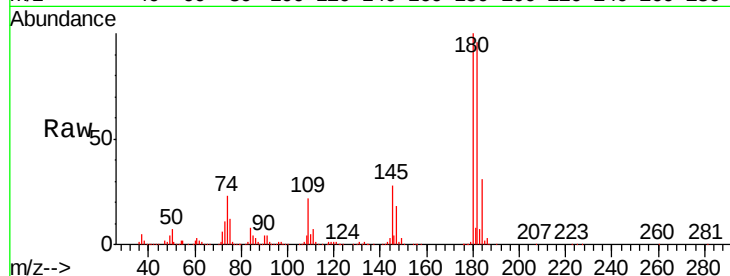
#93
 1,2,4-Trichlorobenzene
 Concen: 52.24 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005112.D
 Acq: 08 Oct 2018 08:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	262883		
182	96.1	47.8	143.4	
145	27.9	14.1	42.4	

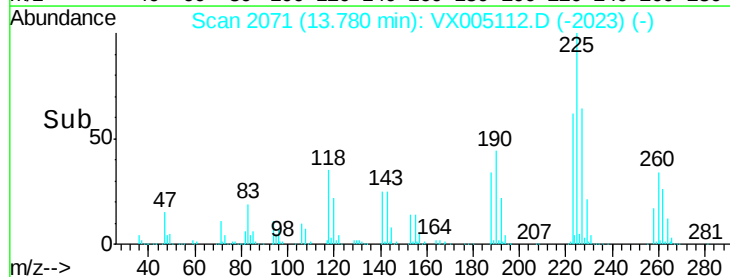
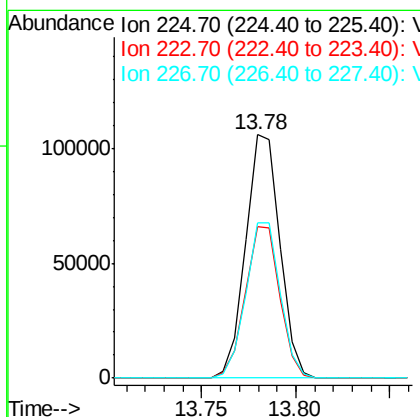
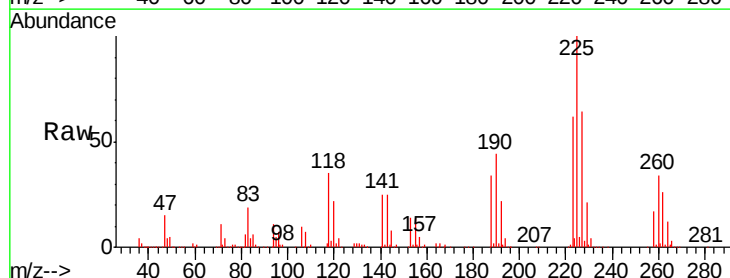
Manual Integrations
 APPROVED

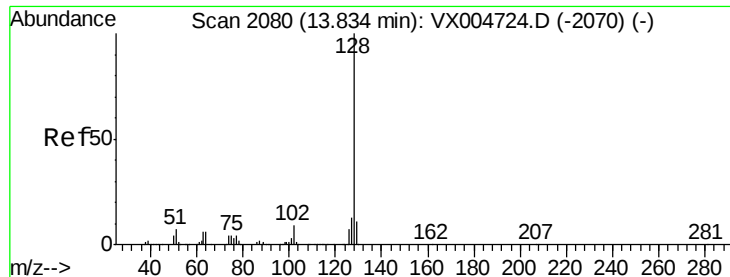
MMDadoda
 10/9/2018 1:47:46 PM



#94
 Hexachlorobutadiene
 Concen: 51.16 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005112.D
 Acq: 08 Oct 2018 08:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133504		
223	62.9	31.3	93.8	
227	64.2	31.9	95.5	





#95

Naphthalene

Concen: 47.01 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Instrument :

MSVOA_X

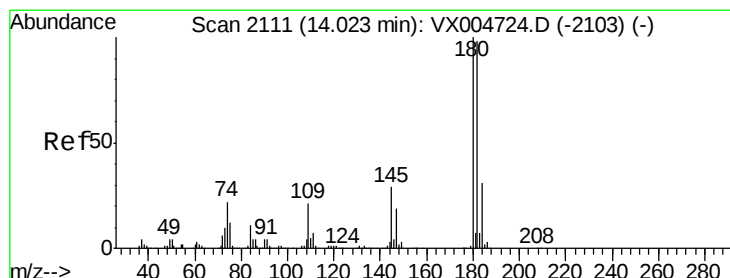
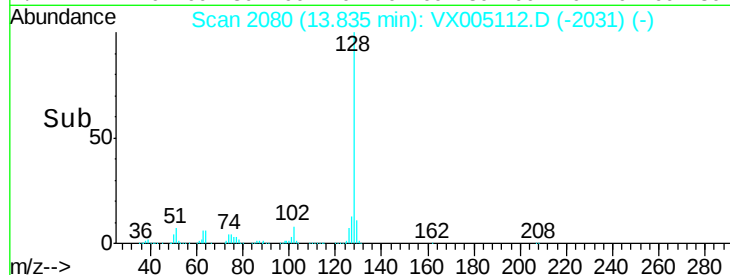
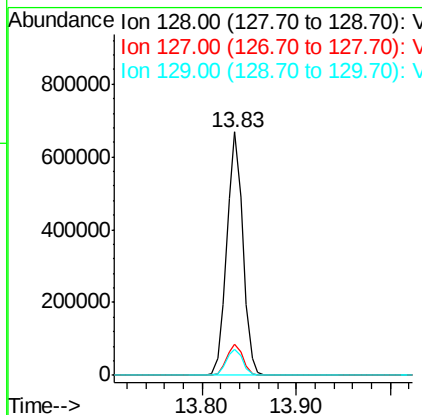
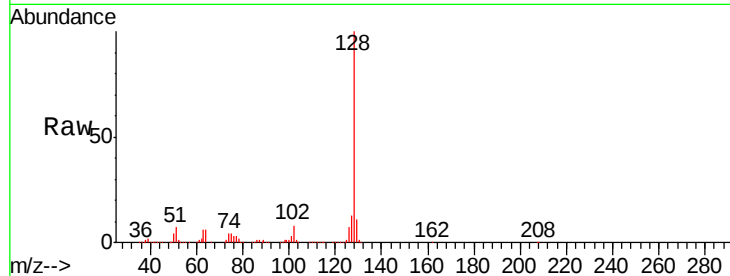
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	784364
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.79 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005112.D

Acq: 08 Oct 2018 08:18

Tgt Ion:	180	Resp:	264038
Ion Ratio		Lower	Upper
180	100		
182	96.5	47.9	143.8
145	29.8	15.0	45.0

