

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101018\
 Data File : VX005229.D
 Acq On : 11 Oct 2018 02:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 11:45:02 AM

Quant Time: Oct 11 08:14:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	216033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316856	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172781	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	122067	39.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.10%	
35) Dibromofluoromethane	5.50	113	99486	37.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.10%	
50) Toluene-d8	8.72	98	364414	40.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.64%	
62) 4-Bromofluorobenzene	11.14	95	139391	43.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	159399	54.12	ug/l	93
3) Chloromethane	1.32	50	179638	50.27	ug/l	100
4) Vinyl Chloride	1.40	62	177373	52.92	ug/l	99
5) Bromomethane	1.64	94	98085	49.35	ug/l	99
6) Chloroethane	1.71	64	101564	55.88	ug/l	96
7) Trichlorofluoromethane	1.92	101	227846	54.91	ug/l	94
8) Diethyl Ether	2.19	74	89645	49.73	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	122890	51.99	ug/l	99
10) Methyl Iodide	2.51	142	151216	47.81	ug/l	90
11) Tert butyl alcohol	3.09	59	237289	275.00	ug/l	99
12) 1,1-Dichloroethene	2.37	96	119176	50.91	ug/l	90
13) Acrolein	2.29	56	106995	174.28	ug/l	92
14) Allyl chloride	2.72	41	265167	51.92	ug/l	95
15) Acrylonitrile	3.15	53	508899	267.91	ug/l	96
16) Acetone	2.45	43	464860	258.01	ug/l	93
17) Carbon Disulfide	2.56	76	347313	49.38	ug/l	98
18) Methyl Acetate	2.78	43	266171	58.31	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	441203	54.64	ug/l	97
20) Methylene Chloride	2.85	84	140164	53.57	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	128534	50.16	ug/l	88
22) Diisopropyl ether	3.87	45	437136	50.83	ug/l	98
23) Vinyl Acetate	3.82	43	1950392	247.75	ug/l	99
24) 1,1-Dichloroethane	3.69	63	260755	50.83	ug/l	100
25) 2-Butanone	4.71	43	663298	249.76	ug/l	96
26) 2,2-Dichloropropane	4.58	77	121229	33.93	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	135023	47.17	ug/l	98
28) Bromochloromethane	5.01	49	89624	37.10	ug/l	99
29) Tetrahydrofuran	5.16	42	437295	264.92	ug/l	98
30) Chloroform	5.21	83	234149	48.29	ug/l	99
31) Cyclohexane	5.57	56	203985	51.95	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	203268	51.33	ug/l	95
36) 1,1-Dichloropropene	5.79	75	172065	46.96	ug/l	95
37) Ethyl Acetate	4.86	43	231680	47.64	ug/l	98
38) Carbon Tetrachloride	5.78	117	182332	47.34	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101018\
 Data File : VX005229.D
 Acq On : 11 Oct 2018 02:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 11:45:02 AM

Quant Time: Oct 11 08:14:29 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	192685	51.50	ug/l #	86
40) Benzene	6.14	78	530743	46.27	ug/l	94
41) Methacrylonitrile	5.06	41	128167	47.52	ug/l	97
42) 1,2-Dichloroethane	6.20	62	193615	47.75	ug/l	97
43) Isopropyl Acetate	6.47	43	337290	48.05	ug/l	97
44) Trichloroethene	7.21	130	140539	49.84	ug/l	95
45) 1,2-Dichloropropane	7.52	63	142091	50.51	ug/l	96
46) Dibromomethane	7.66	93	91990	52.04	ug/l	99
47) Bromodichloromethane	7.90	83	178889	54.05	ug/l	99
48) Methyl methacrylate	7.78	41	181775	57.05	ug/l	99
49) 1,4-Dioxane	7.76	88	87441	1104.68	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1247186	282.18	ug/l	99
52) Toluene	8.79	92	329518	52.28	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	187570	50.15	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	203393	51.92	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	137995	49.98	ug/l	97
56) Ethyl methacrylate	9.18	69	217370	48.60	ug/l	96
57) 1,3-Dichloropropane	9.37	76	233014	50.71	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	463533	198.00	ug/l	99
59) 2-Hexanone	9.50	43	1002050	272.06	ug/l	95
60) Dibromochloromethane	9.59	129	145528	52.71	ug/l	99
61) 1,2-Dibromoethane	9.68	107	144922	49.01	ug/l	96
64) Tetrachloroethene	9.34	164	147374	49.31	ug/l	96
65) Chlorobenzene	10.14	112	371767	47.74	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	137888	50.36	ug/l	99
67) Ethyl Benzene	10.26	91	630159	50.97	ug/l	97
68) m/p-Xylenes	10.36	106	496404	102.75	ug/l	95
69) o-Xylene	10.70	106	237317	53.48	ug/l	100
70) Styrene	10.71	104	405073	48.86	ug/l	99
71) Bromoform	10.86	173	124057	52.93	ug/l #	97
73) Isopropylbenzene	11.02	105	644144	59.15	ug/l	99
74) N-amyl acetate	10.90	43	307572	51.33	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	231702	52.27	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	208281m	53.78	ug/l	
77) Bromobenzene	11.26	156	174146	55.05	ug/l	99
78) n-propylbenzene	11.36	91	739235	59.16	ug/l	99
79) 2-Chlorotoluene	11.42	91	440657	56.58	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	553288	55.45	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	59096	41.95	ug/l	100
82) 4-Chlorotoluene	11.51	91	527653	57.56	ug/l	99
83) tert-Butylbenzene	11.77	119	543041	60.56	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	572090	55.60	ug/l	99
85) sec-Butylbenzene	11.94	105	653442	59.83	ug/l	100
86) p-Isopropyltoluene	12.07	119	593127	59.94	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	323763	54.81	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	326595	53.56	ug/l	100
89) n-Butylbenzene	12.39	91	515874	57.40	ug/l	99
90) Hexachloroethane	12.60	117	96129	58.35	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	330020	53.46	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57884	59.47	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101018\
Data File : VX005229.D
Acq On : 11 Oct 2018 02:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

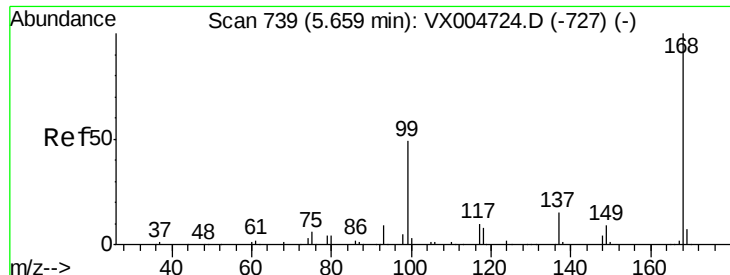
Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM

Quant Time: Oct 11 08:14:29 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	246810	57.00	ug/l	100
94) Hexachlorobutadiene	13.79	225	120918	53.85	ug/l	99
95) Naphthalene	13.83	128	786927	54.69	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	256405	57.32	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 216033

Ion Ratio Lower Upper

168 100

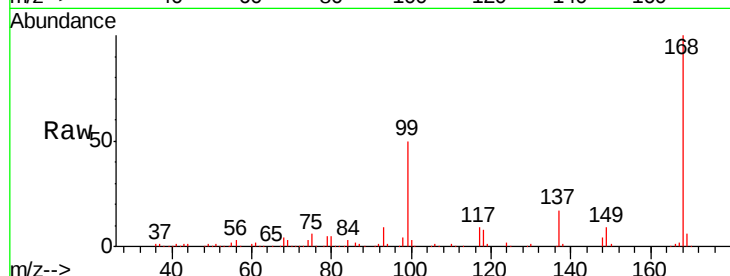
99 49.9 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

10/12/2018 11:45:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

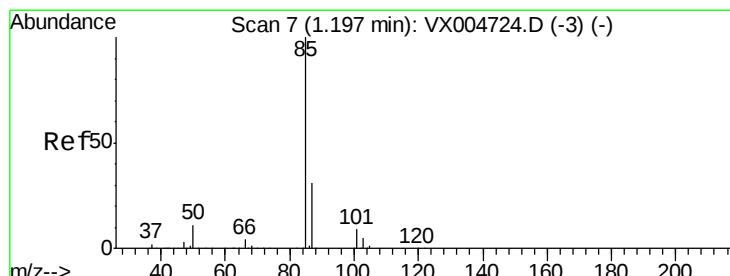
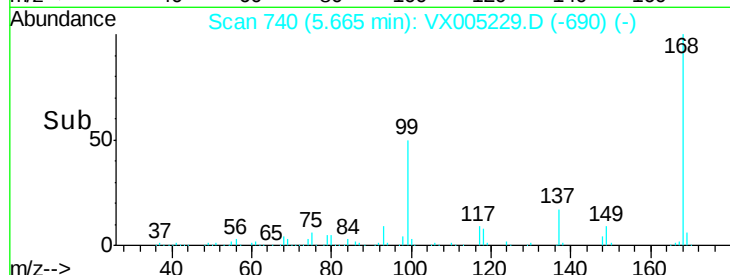
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.12 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005229.D

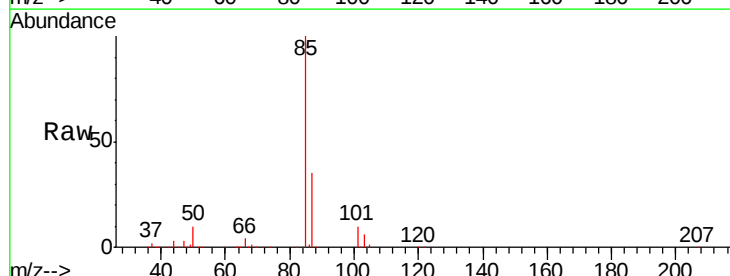
Acq: 11 Oct 2018 02:43

Tgt Ion: 85 Resp: 159399

Ion Ratio Lower Upper

85 100

87 35.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

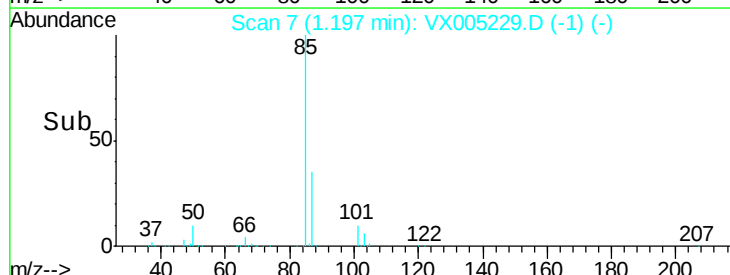
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 50.27 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 179638

Ion Ratio Lower Upper

50 100

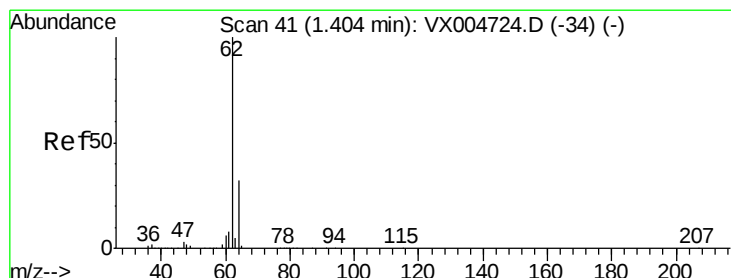
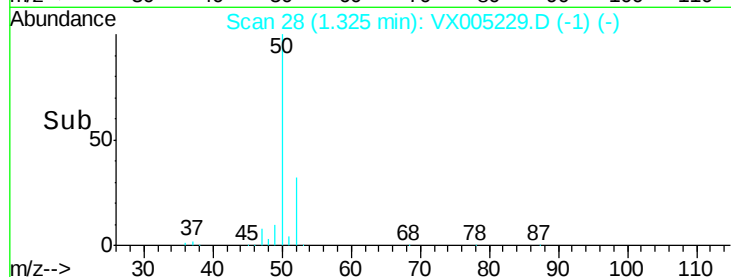
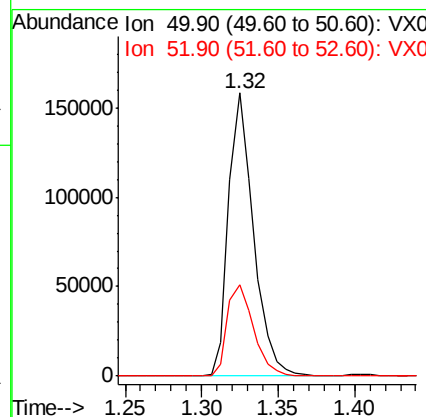
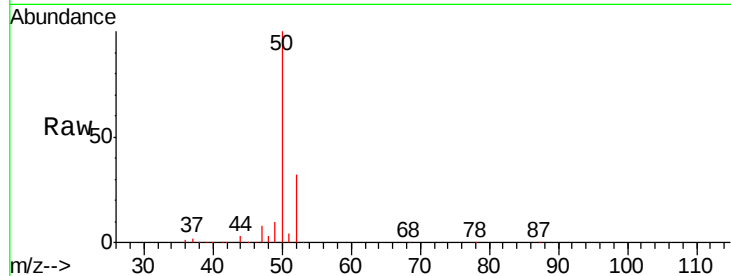
52 32.3 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/12/2018 11:45:02 AM



#4

Vinyl Chloride

Concen: 52.92 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005229.D

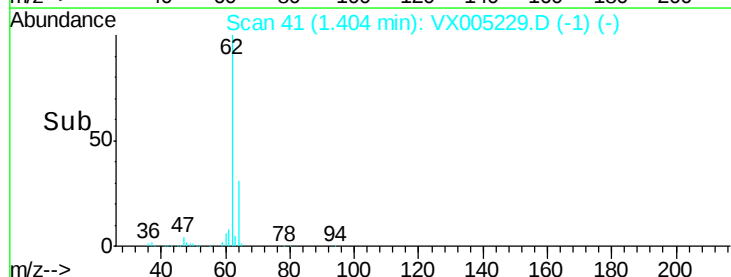
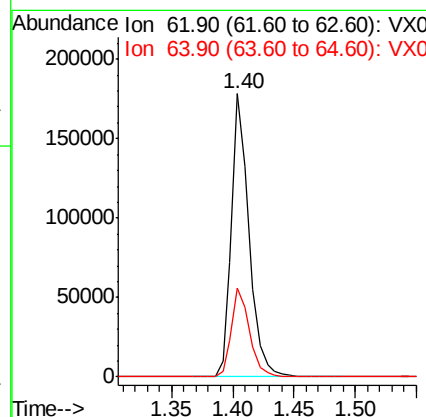
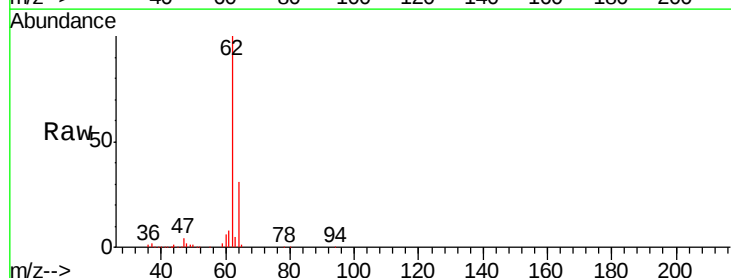
Acq: 11 Oct 2018 02:43

Tgt Ion: 62 Resp: 177373

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 49.35 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 98085

Ion Ratio Lower Upper

94 100

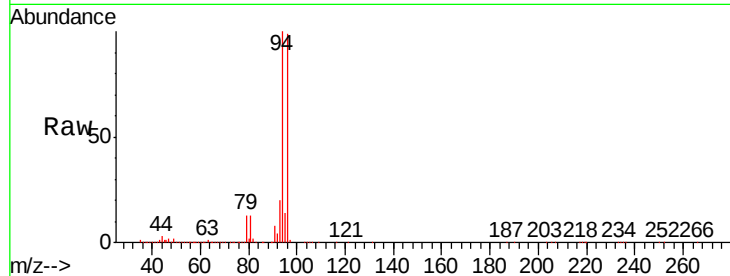
96 98.9 79.5 119.3

Manual Integrations

APPROVED

MMDadoda

10/12/2018 11:45:02 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

100000

80000

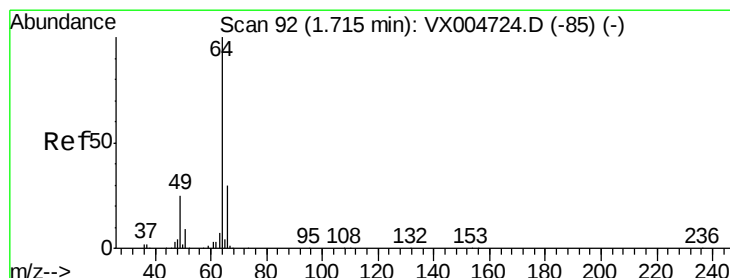
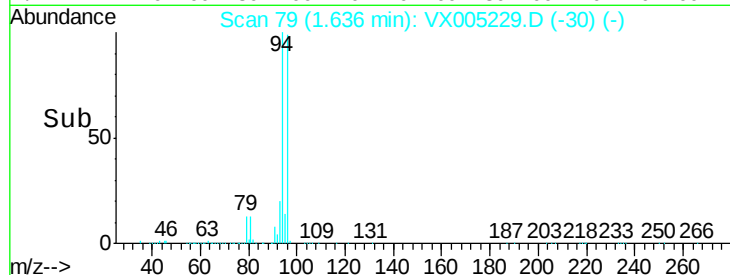
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 55.88 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005229.D

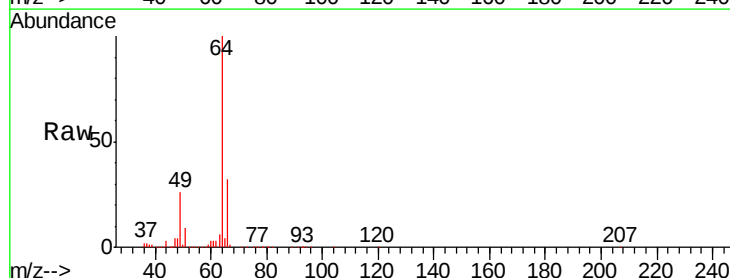
Acq: 11 Oct 2018 02:43

Tgt Ion: 64 Resp: 101564

Ion Ratio Lower Upper

64 100

66 31.7 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80000

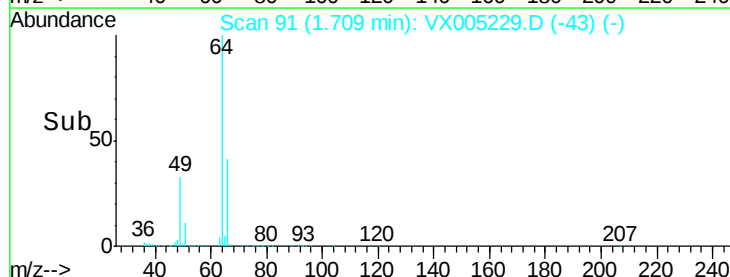
60000

40000

20000

0

Time-->





#7

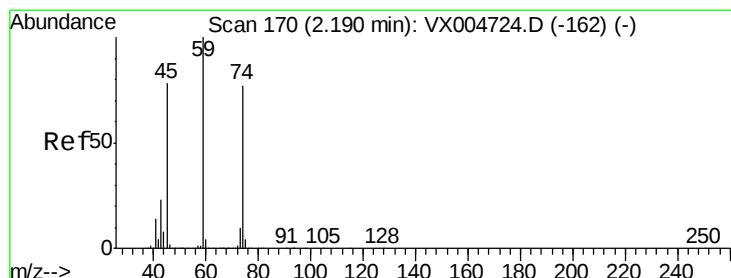
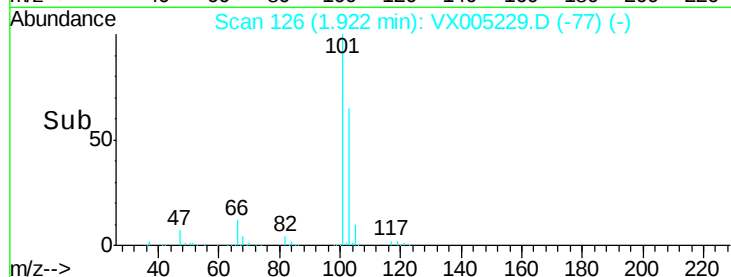
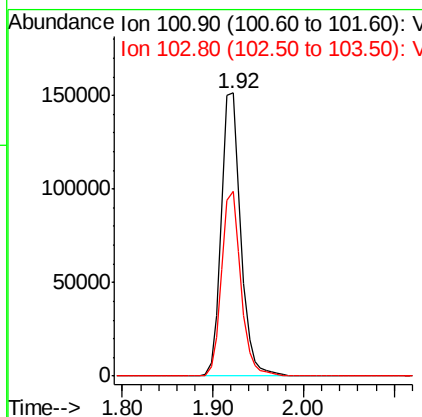
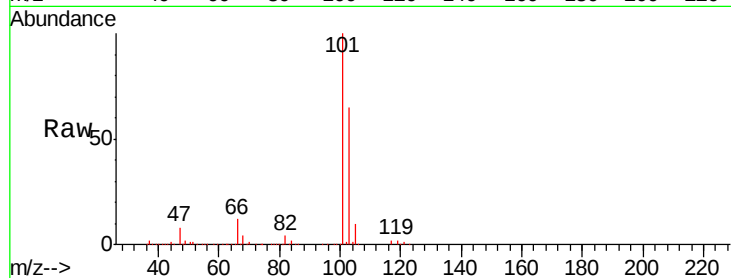
Trichlorofluoromethane
Concen: 54.91 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.2	48.4	72.6

Manual Integrations
APPROVED

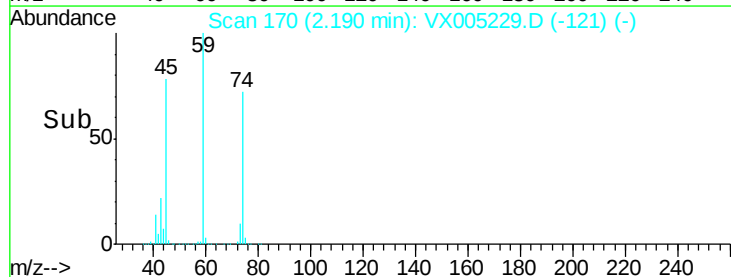
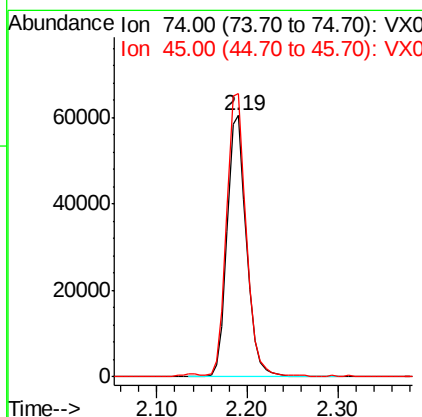
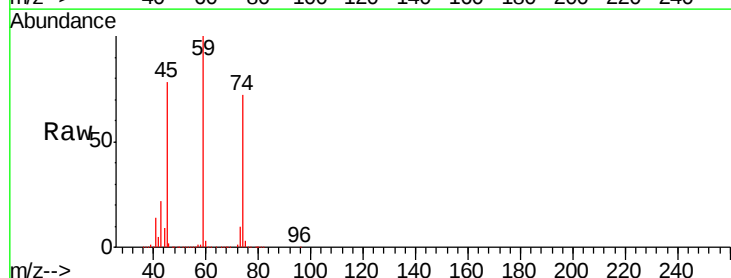
MMDadoda
10/12/2018 11:45:02 AM

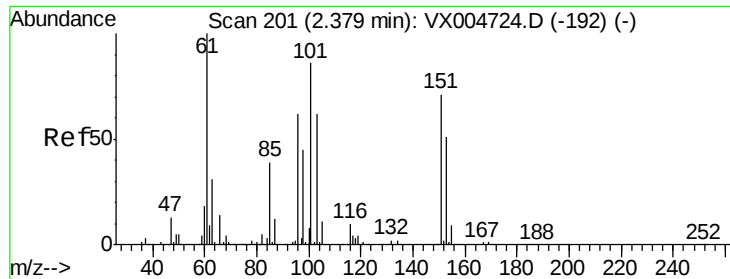


#8

Diethyl Ether
Concen: 49.73 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.2	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.99 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

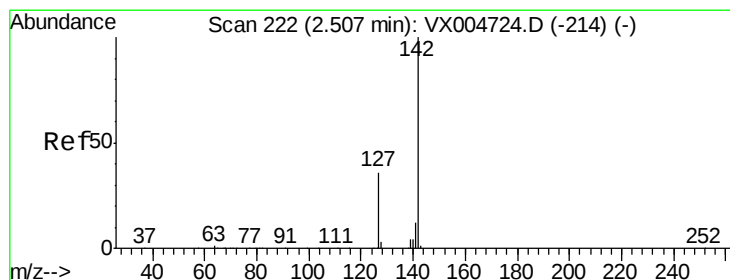
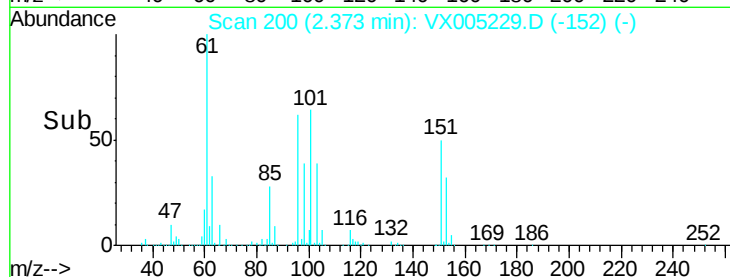
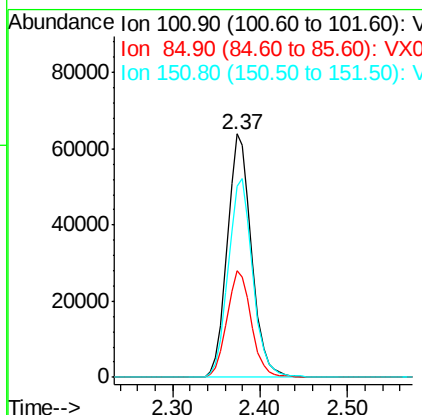
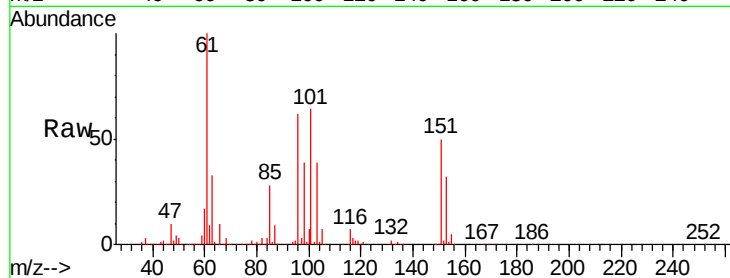
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	122890
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.9	53.9
151	82.8	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



#10

Methyl Iodide

Concen: 47.81 ug/l

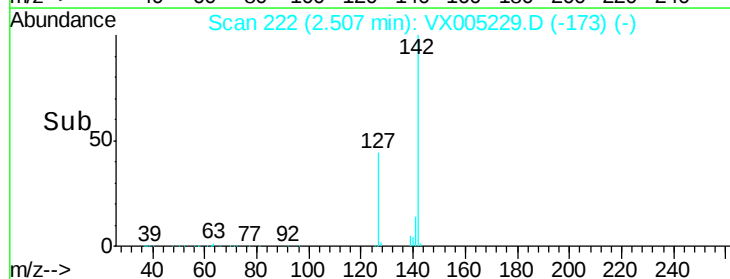
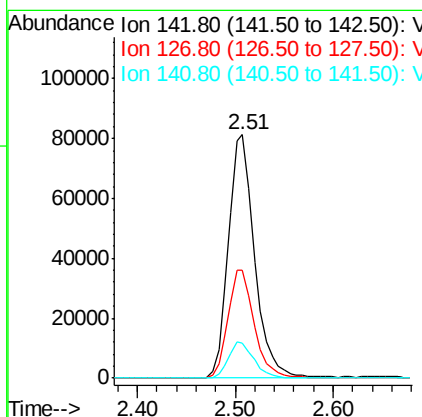
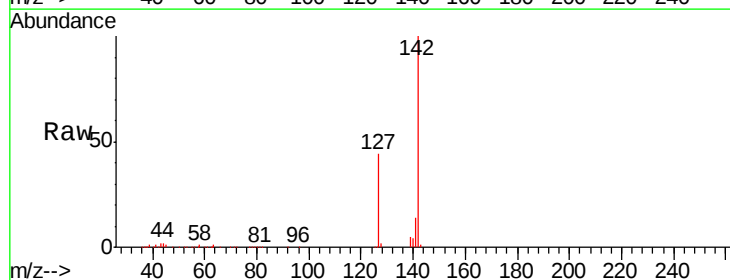
RT: 2.51 min Scan# 222

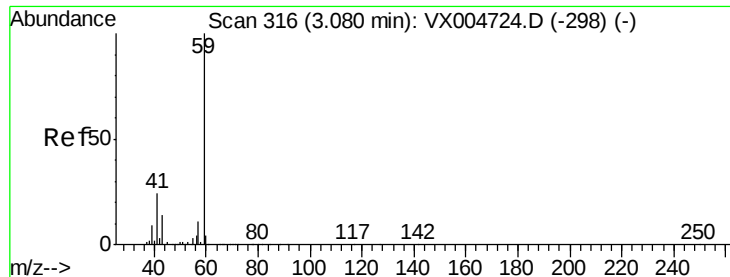
Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion:	142	Resp:	151216
Ion Ratio	Lower	Upper	
142	100		
127	44.5	30.1	45.1
141	14.5	10.1	15.1





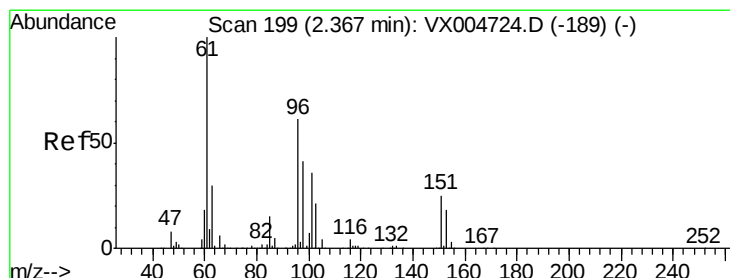
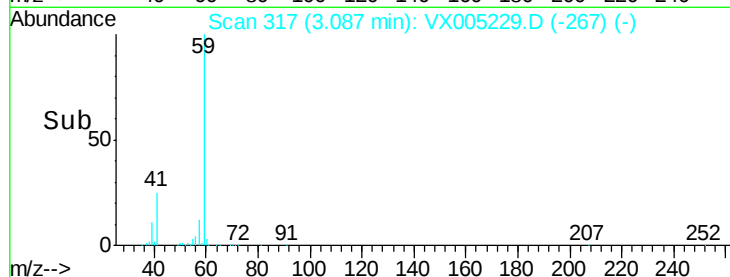
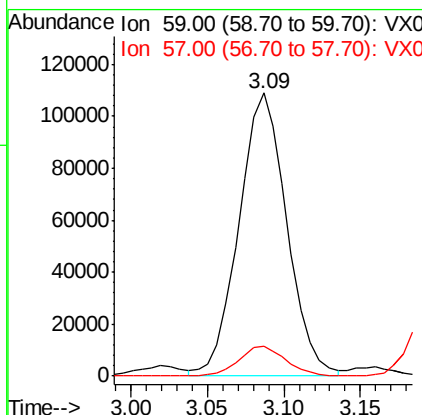
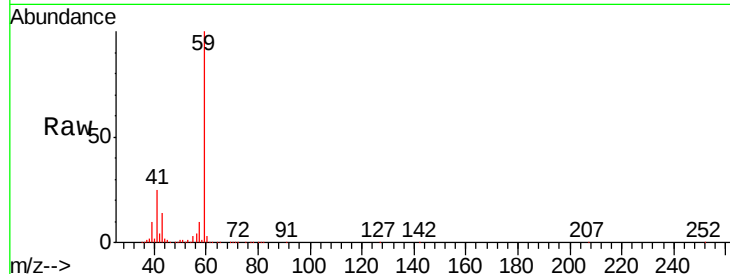
#11
Tert butyl alcohol
Concen: 275.00 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 237289
Ion Ratio Lower Upper
59 100
57 10.4 8.6 12.8

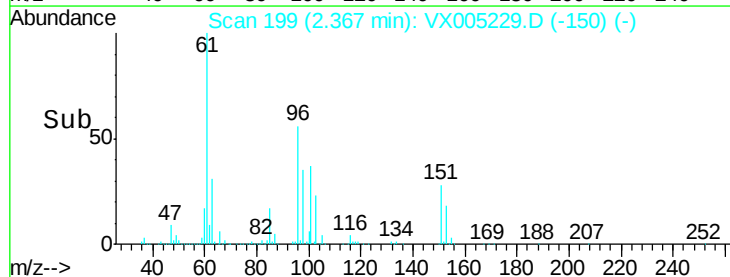
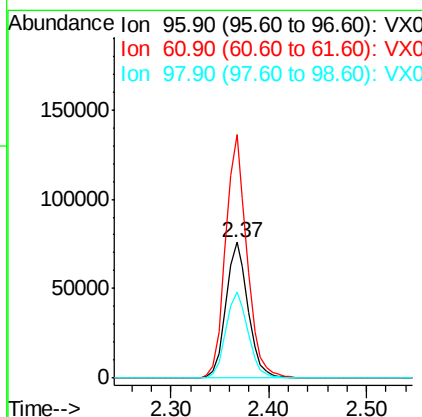
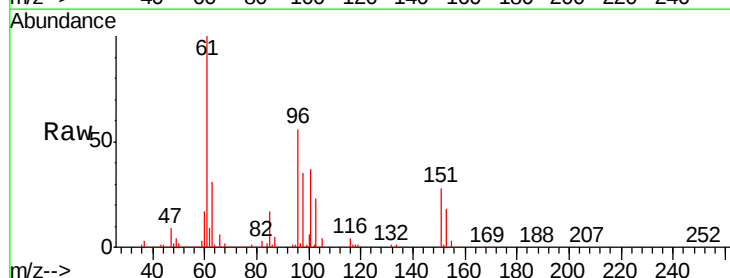
Manual Integrations
APPROVED

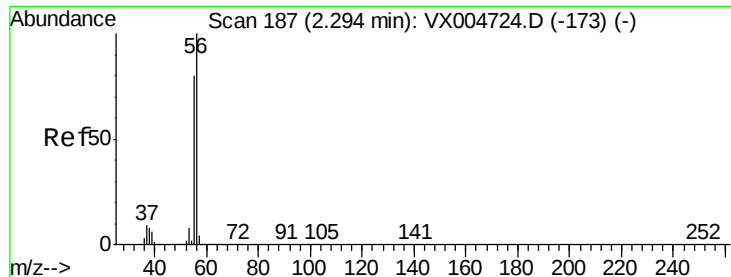
MMDadoda
10/12/2018 11:45:02 AM



#12
1,1-Dichloroethene
Concen: 50.91 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 96 Resp: 119176
Ion Ratio Lower Upper
96 100
61 179.7 130.2 195.4
98 63.4 53.4 80.0





#13

Acrolein

Concen: 174.28 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 106995

Ion Ratio Lower Upper

56 100

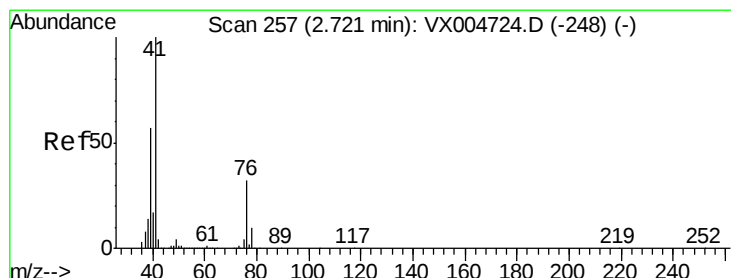
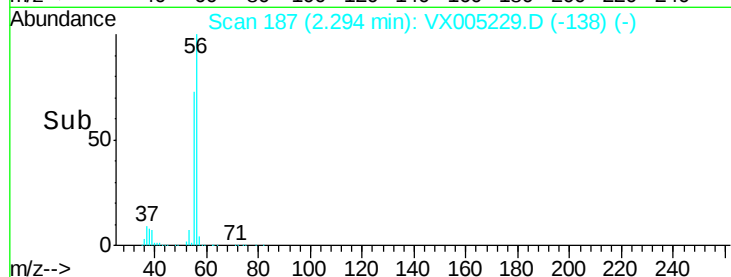
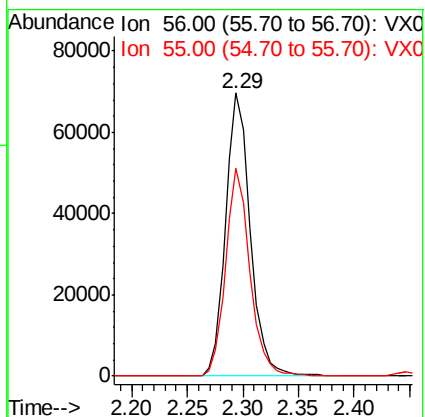
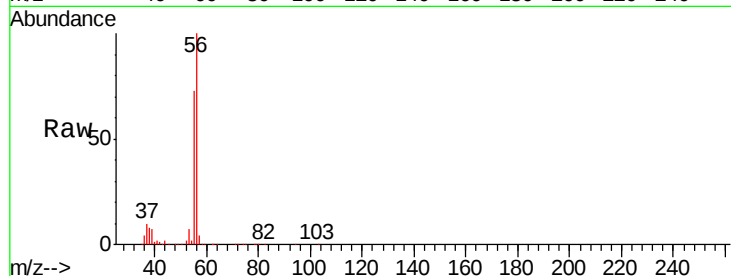
55 72.2 63.4 95.2

Manual Integrations

APPROVED

MMDadoda

10/12/2018 11:45:02 AM



#14

Allyl chloride

Concen: 51.92 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

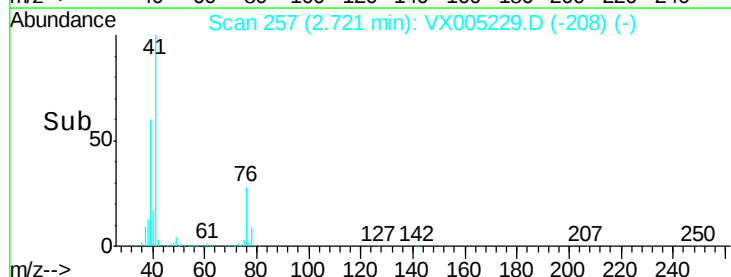
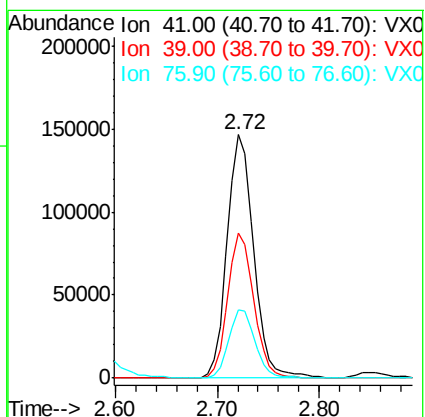
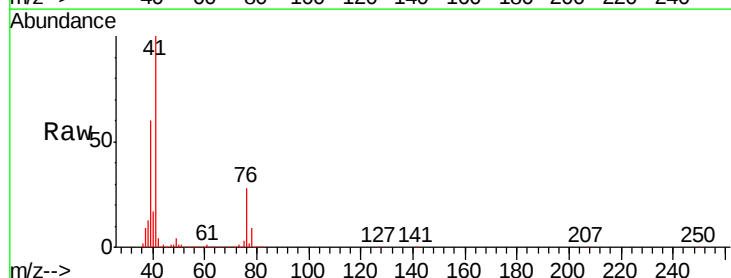
Tgt Ion: 41 Resp: 265167

Ion Ratio Lower Upper

41 100

39 58.2 44.1 66.1

76 27.5 25.0 37.4





#15

Acrylonitrile

Concen: 267.91 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

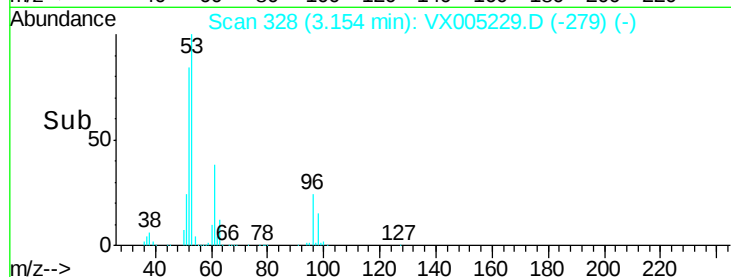
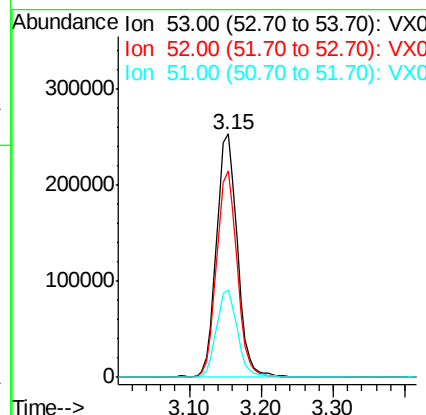
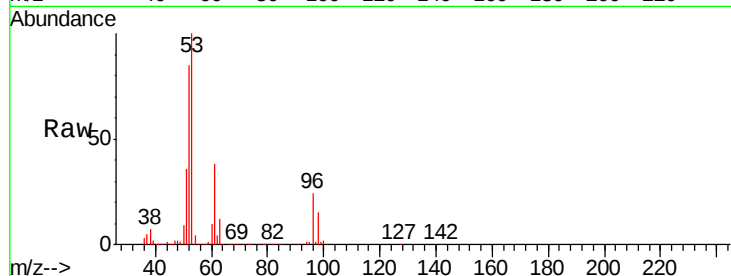
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	508899
Ion	Ratio	Lower	Upper
53	100		
52	83.7	63.0	94.4
51	36.2	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



#16

Acetone

Concen: 258.01 ug/l

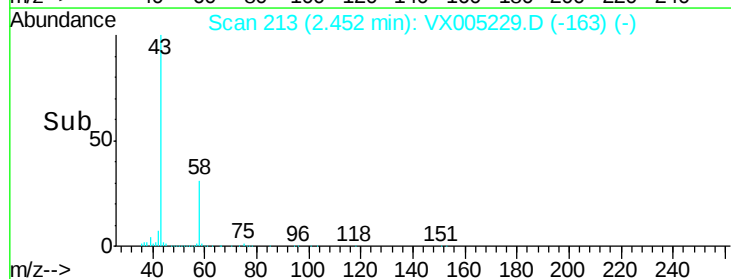
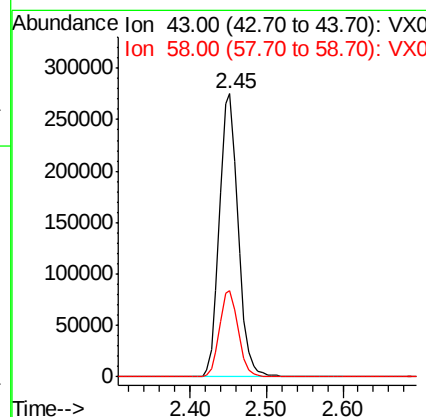
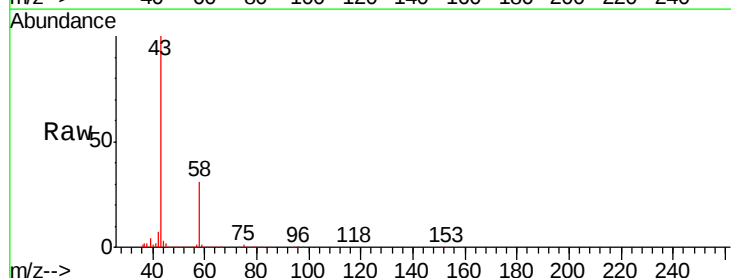
RT: 2.45 min Scan# 213

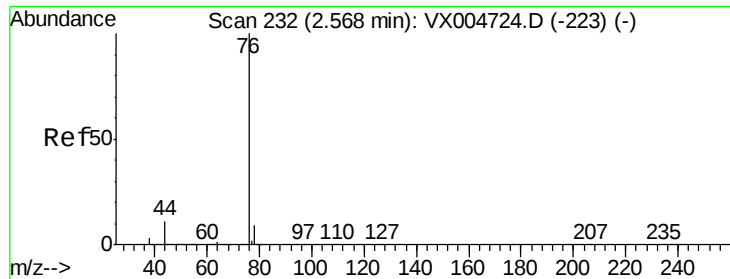
Delta R.T. 0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion:	43	Resp:	464860
Ion	Ratio	Lower	Upper
43	100		
58	30.7	21.8	32.6





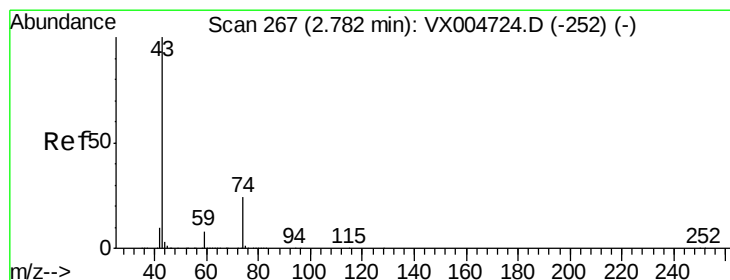
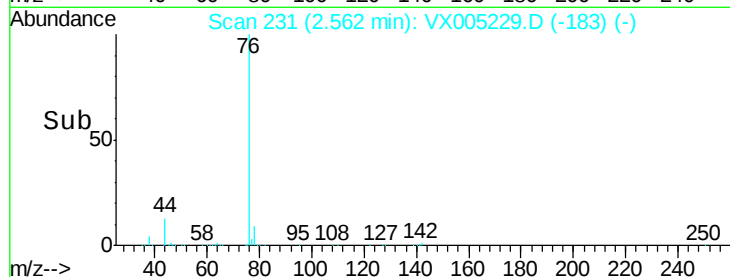
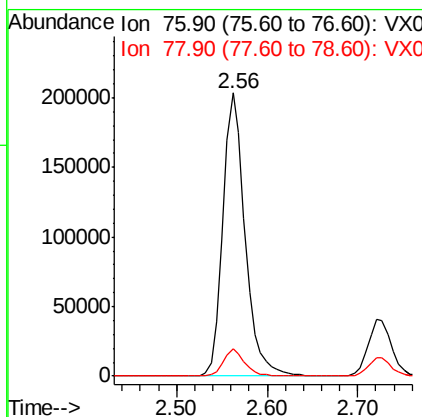
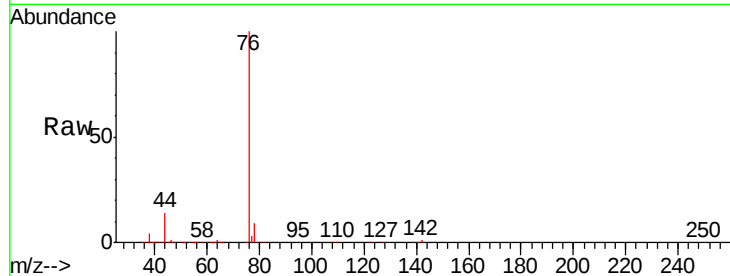
#17
Carbon Disulfide
Concen: 49.38 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

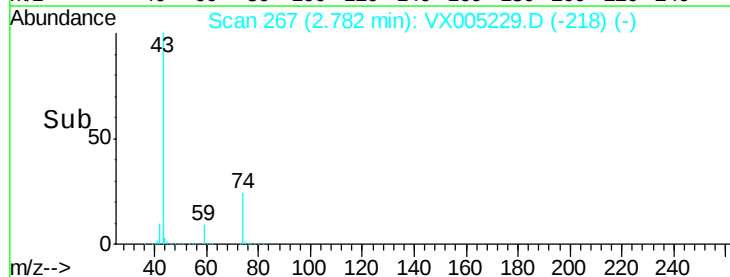
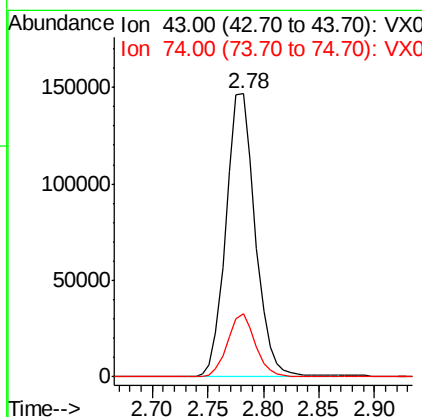
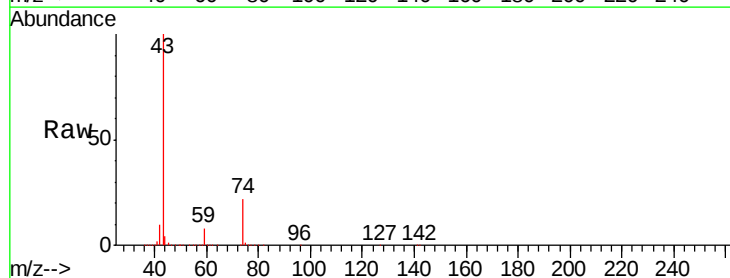
Manual Integrations
APPROVED

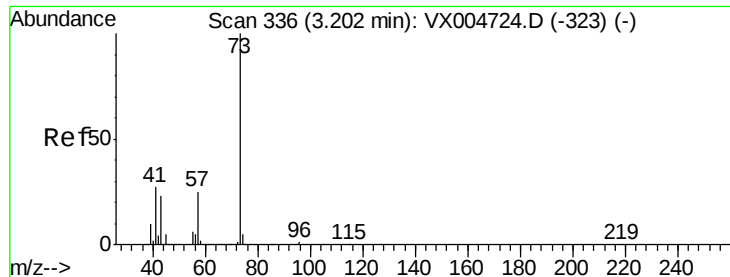
MMDadoda
10/12/2018 11:45:02 AM



#18
Methyl Acetate
Concen: 58.31 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	17.8	26.8





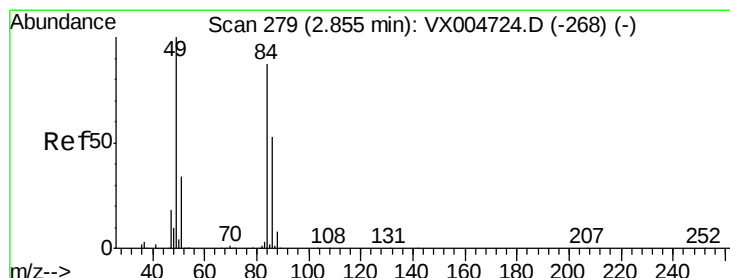
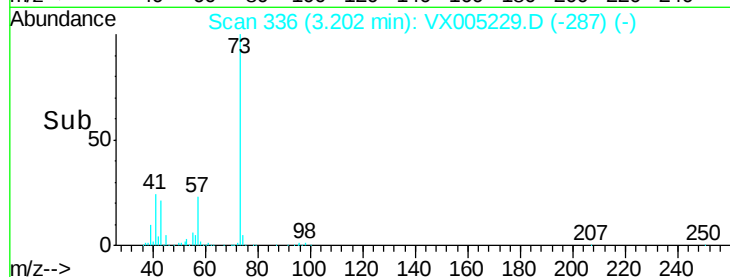
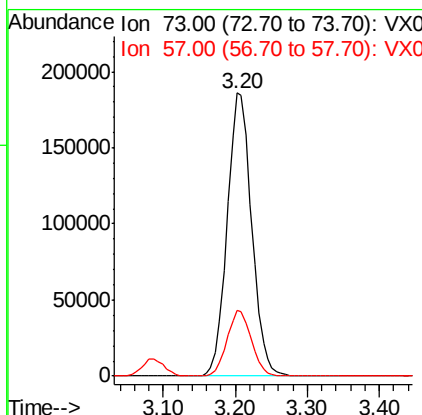
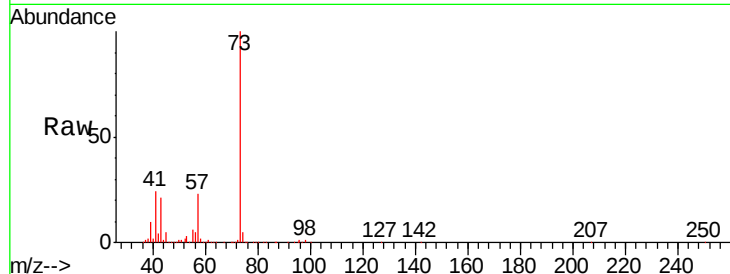
#19
Methyl tert-butyl Ether
Concen: 54.64 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 441203
Ion Ratio Lower Upper
73 100
57 23.3 19.9 29.9

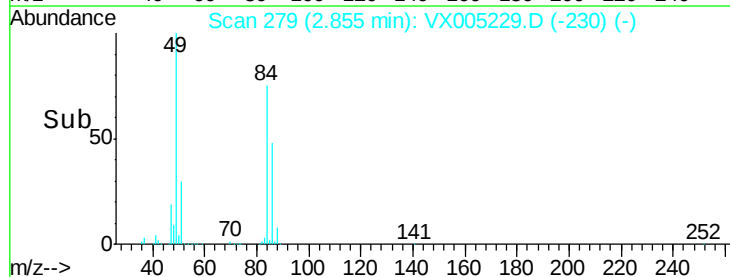
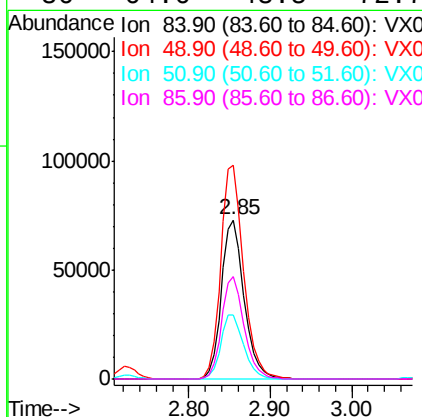
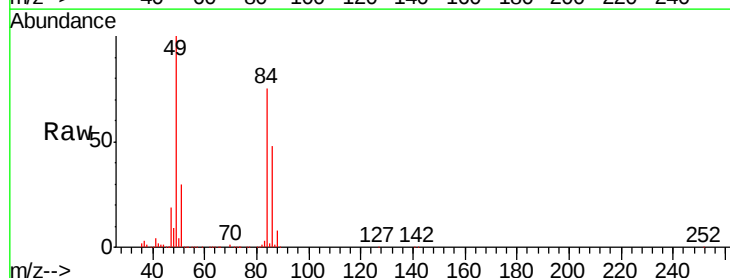
Manual Integrations
APPROVED

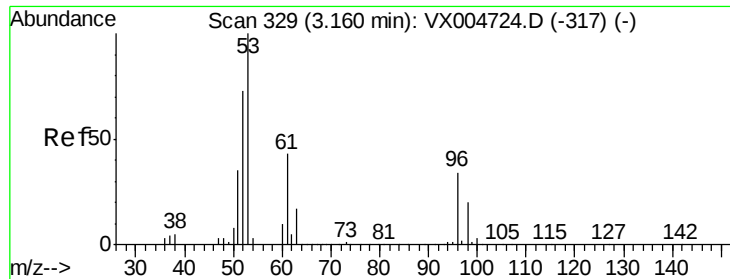
MMDadoda
10/12/2018 11:45:02 AM



#20
Methylene Chloride
Concen: 53.57 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 84 Resp: 140164
Ion Ratio Lower Upper
84 100
49 134.1 92.3 138.5
51 40.5 31.8 47.6
86 64.6 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 50.16 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 128534

Ion Ratio Lower Upper

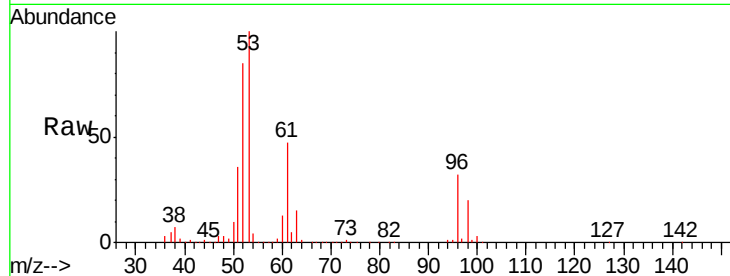
96 100

61 145.1 101.0 151.6

98 61.7 47.2 70.8

Manual Integrations
APPROVED

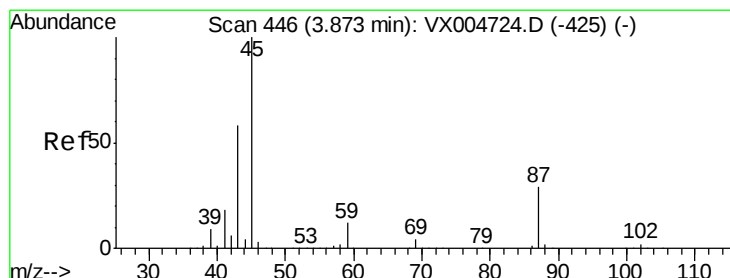
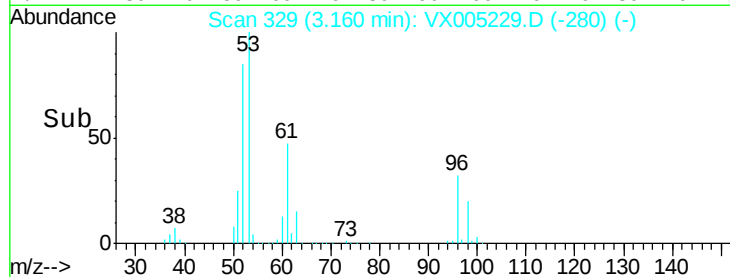
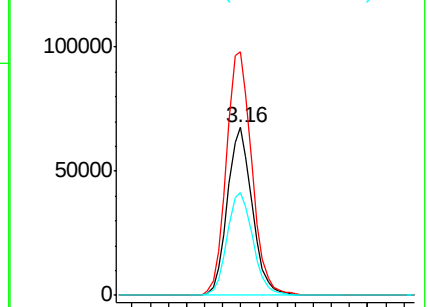
MMDadoda
10/12/2018 11:45:02 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.83 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion: 45 Resp: 437136

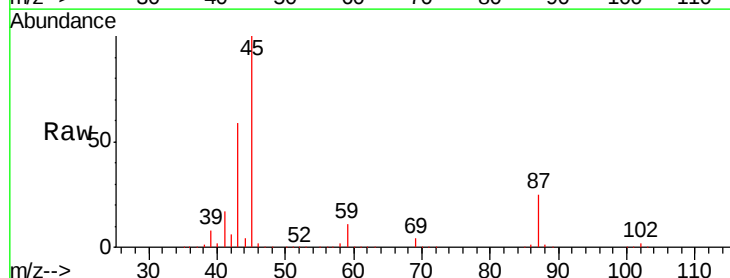
Ion Ratio Lower Upper

45 100

43 58.7 46.7 70.1

87 24.8 22.9 34.3

59 10.9 9.3 13.9

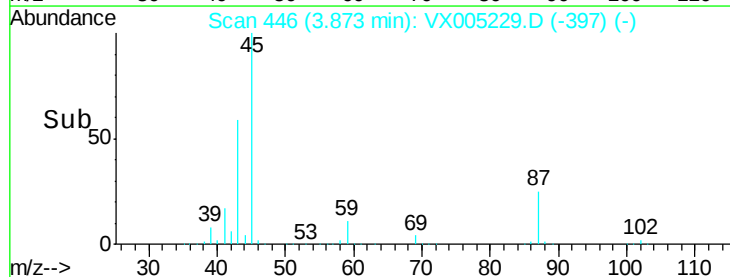
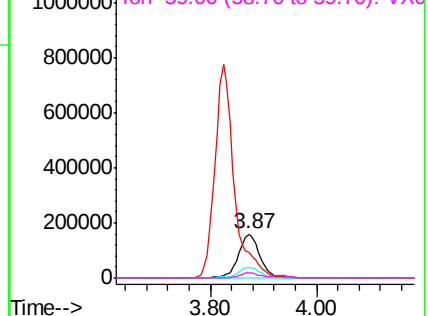


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 247.75 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1950392

Ion Ratio Lower Upper

43 100

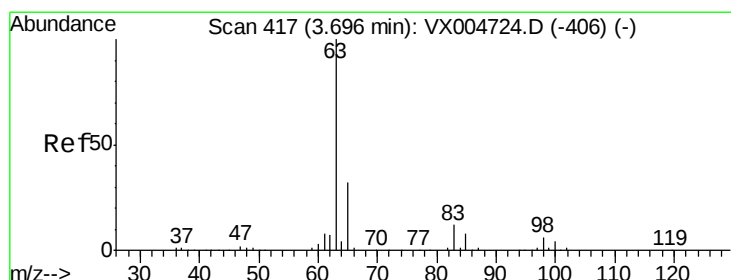
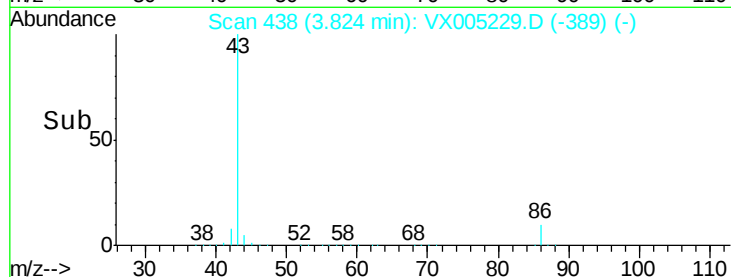
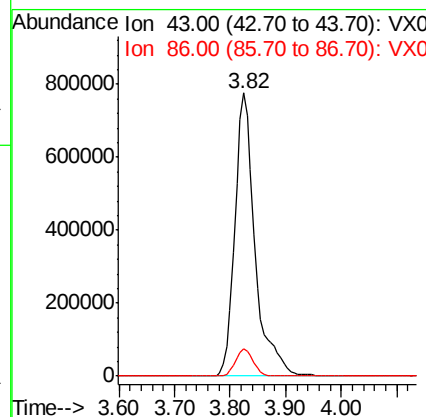
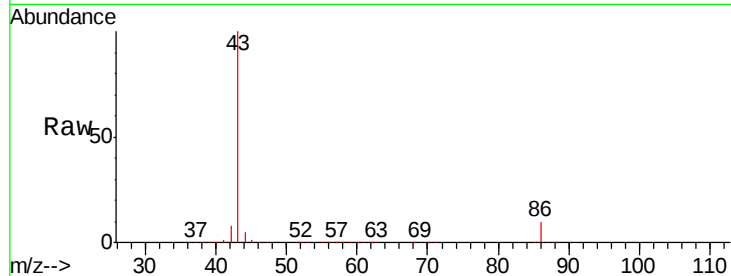
86 9.6 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

10/12/2018 11:45:02 AM



#24

1,1-Dichloroethane

Concen: 50.83 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

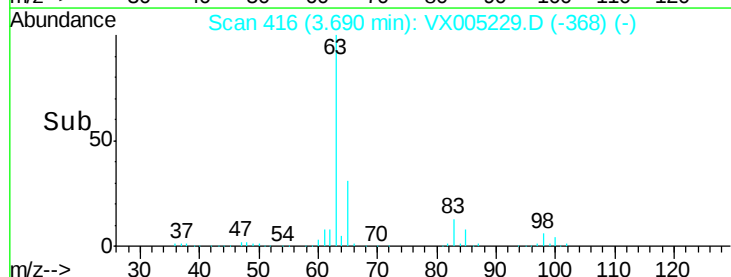
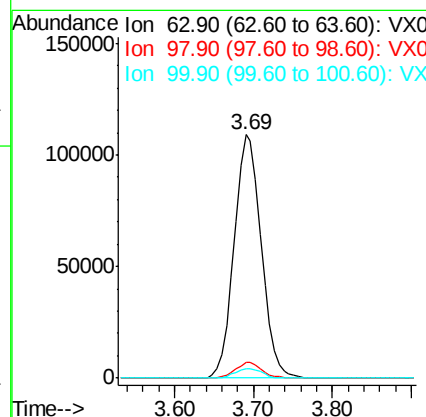
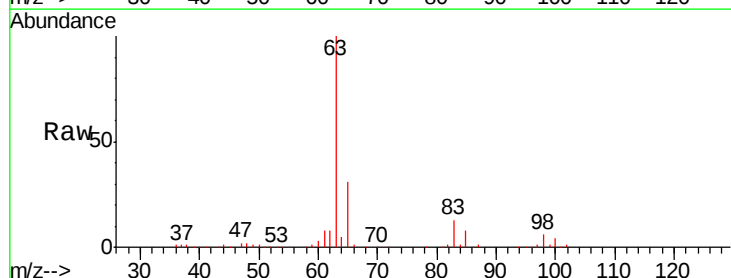
Tgt Ion: 63 Resp: 260755

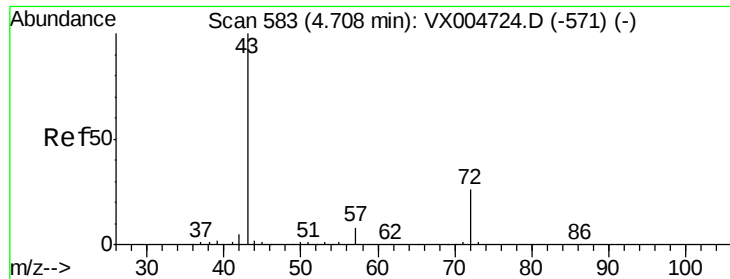
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 249.76 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 663298

Ion Ratio Lower Upper

43 100

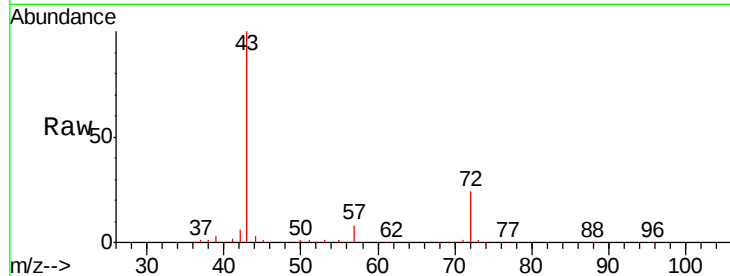
72 23.9 20.8 31.2

Manual Integrations

APPROVED

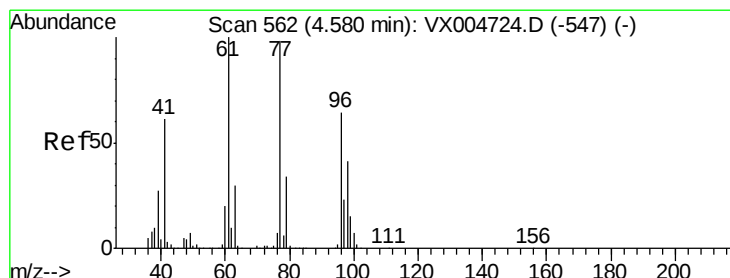
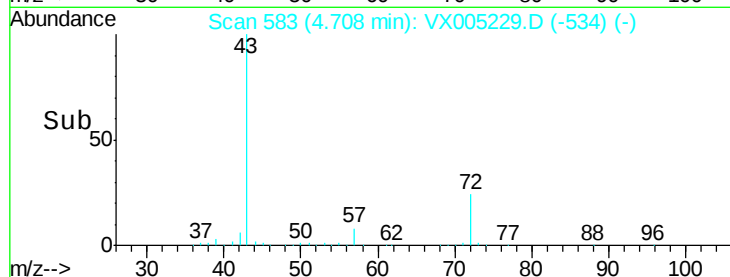
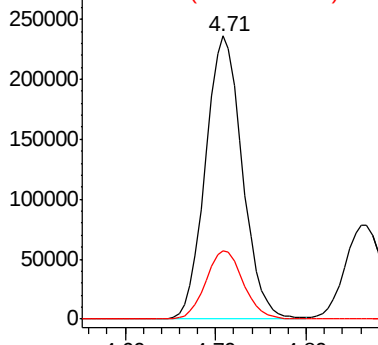
MMDadoda

10/12/2018 11:45:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 33.93 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005229.D

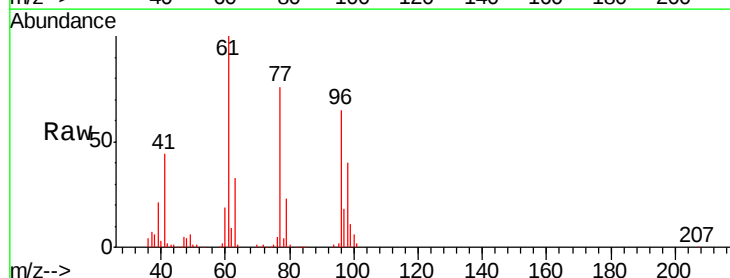
Acq: 11 Oct 2018 02:43

Tgt Ion: 77 Resp: 121229

Ion Ratio Lower Upper

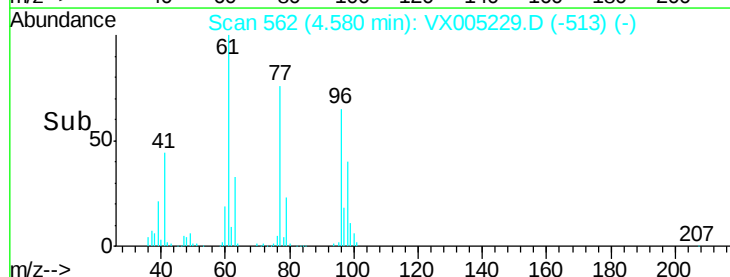
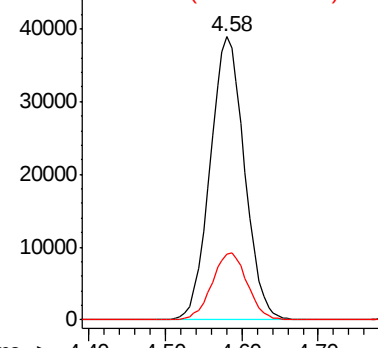
77 100

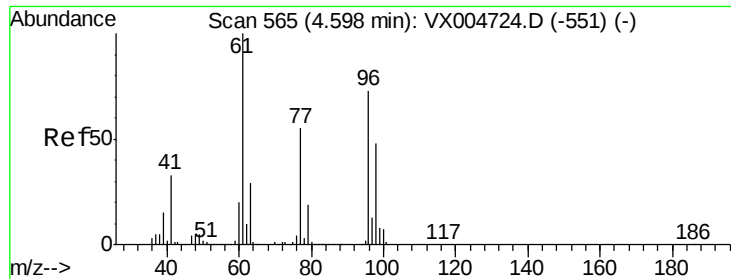
97 24.3 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 47.17 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

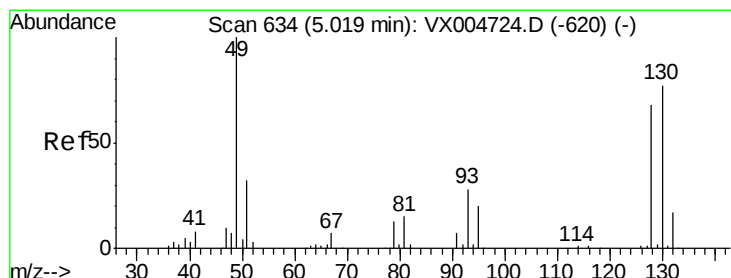
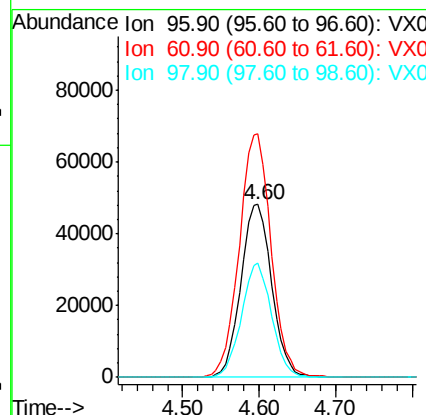
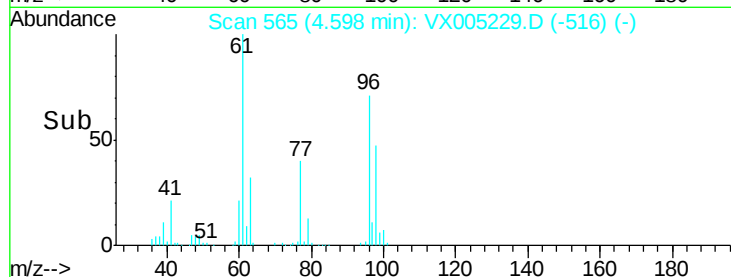
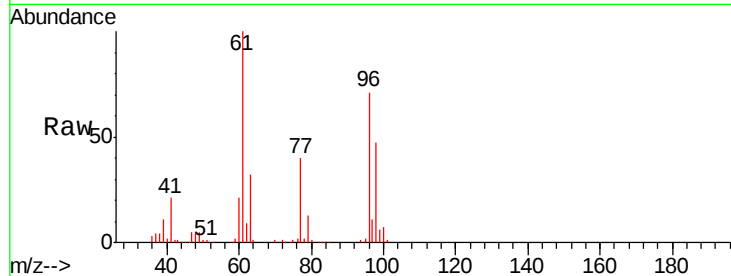
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	135023
Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	285.8
98	64.6	0.0	136.2

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



#28

Bromochloromethane

Concen: 37.10 ug/l

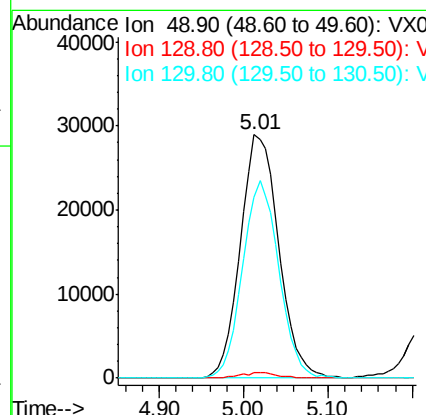
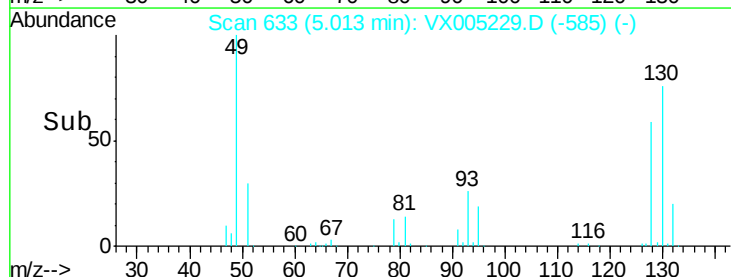
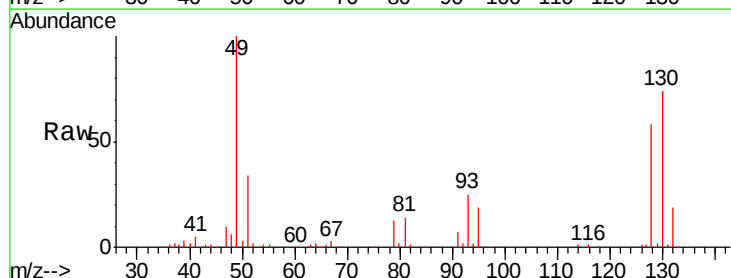
RT: 5.01 min Scan# 633

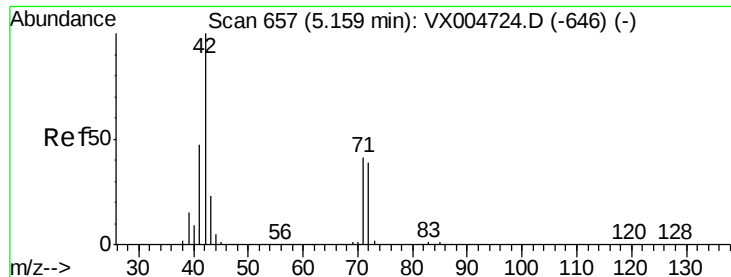
Delta R.T. -0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion:	49	Resp:	89624
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	76.5	62.0	93.0





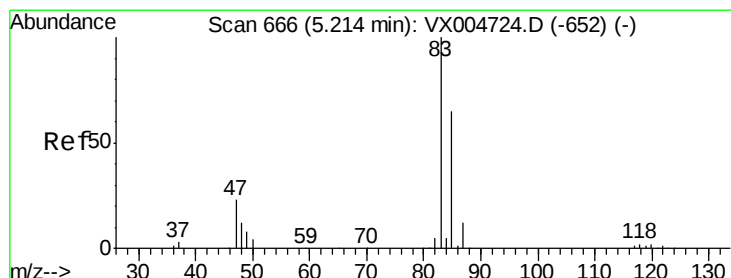
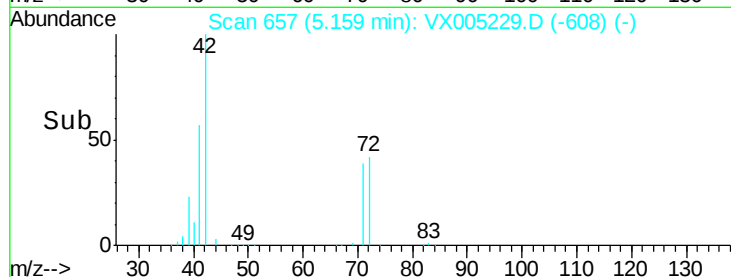
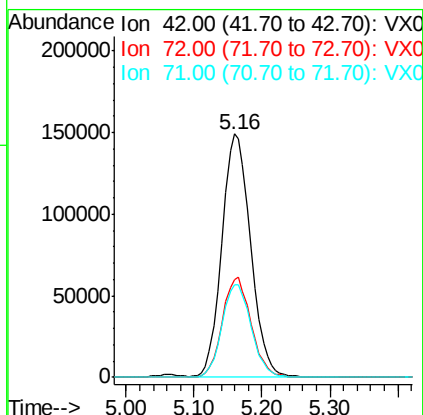
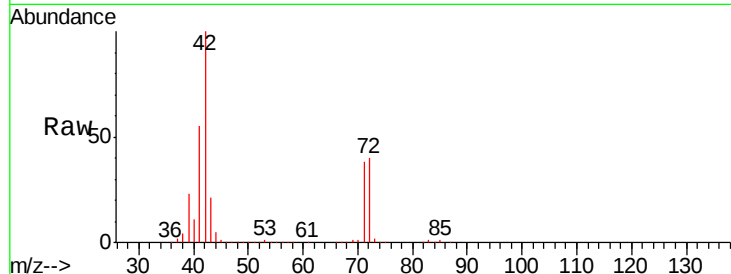
#29
Tetrahydrofuran
Concen: 264.92 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.7	50.5
71	38.6	32.2	48.4

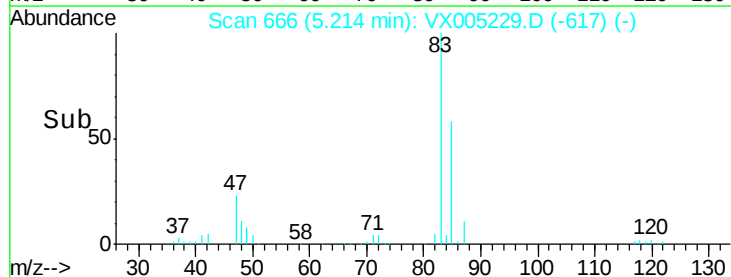
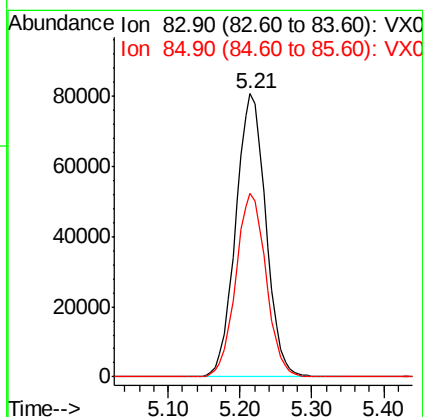
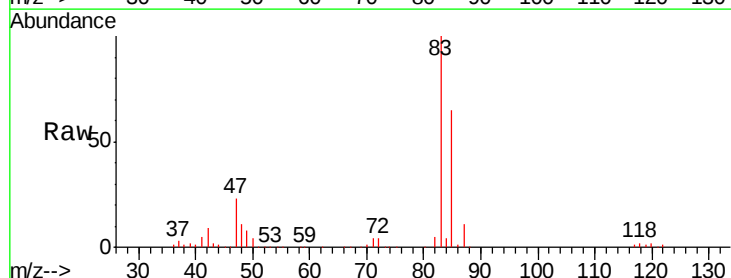
Manual Integrations
APPROVED

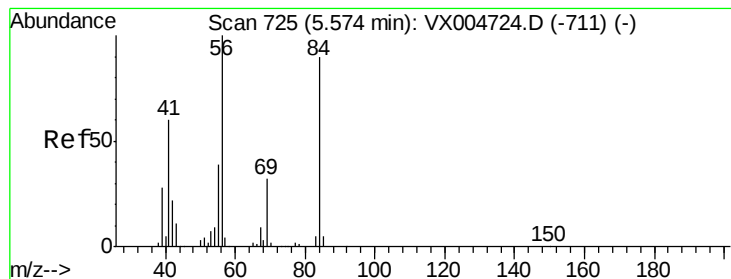
MMDadoda
10/12/2018 11:45:02 AM



#30
Chloroform
Concen: 48.29 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.4	78.6





#31

Cyclohexane

Concen: 51.95 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

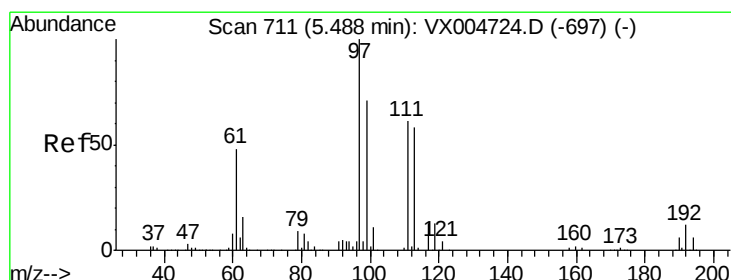
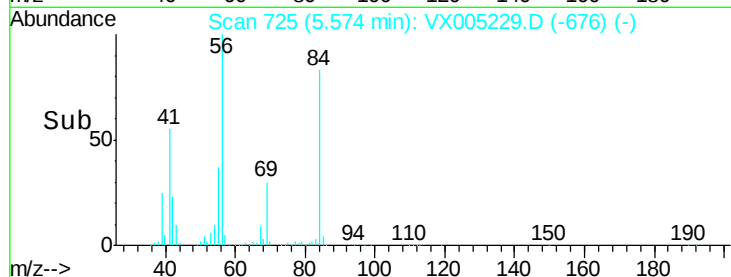
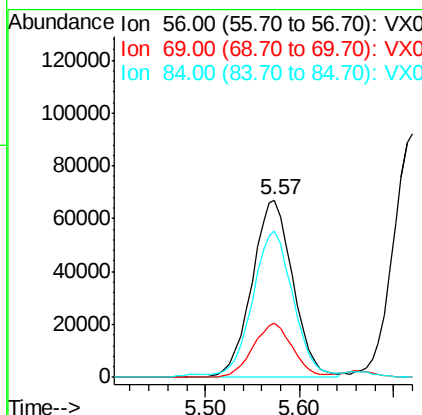
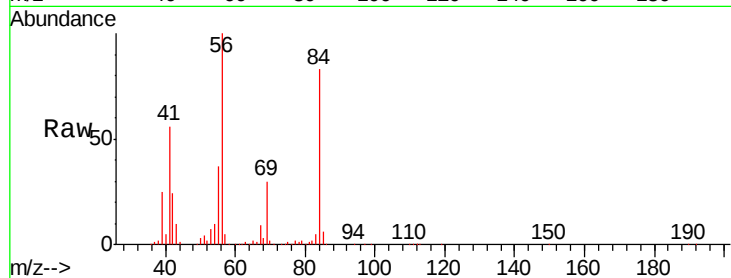
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	203985
Ion Ratio	Lower	Upper	
56	100		
69	30.4	25.9	38.9
84	81.1	71.9	107.9

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



#32

1,1,1-Trichloroethane

Concen: 51.33 ug/l

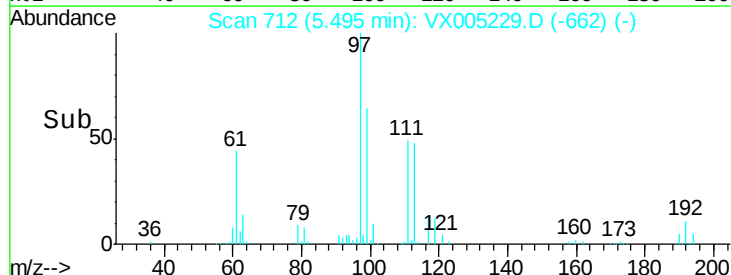
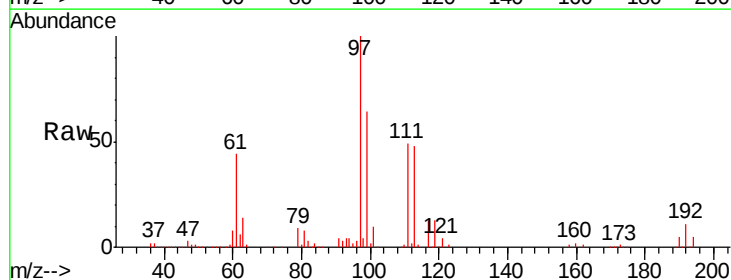
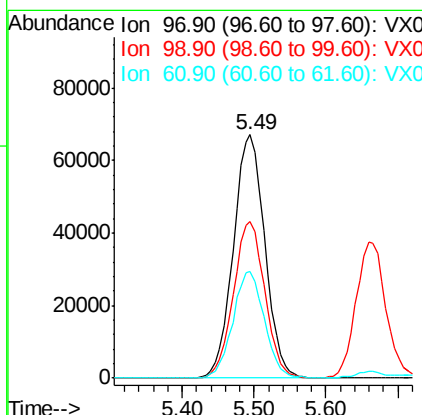
RT: 5.49 min Scan# 712

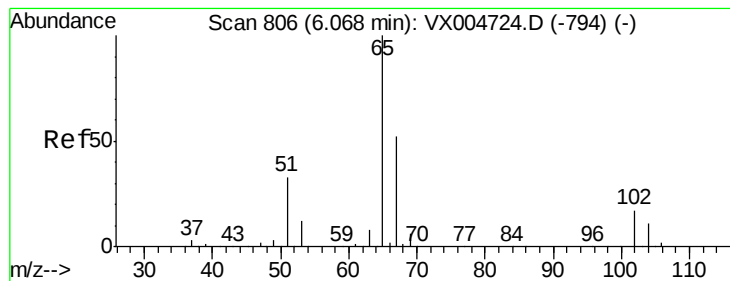
Delta R.T. 0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion:	97	Resp:	203268
Ion Ratio	Lower	Upper	
97	100		
99	64.4	54.6	82.0
61	44.1	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 39.55 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	107.4

Instrument :

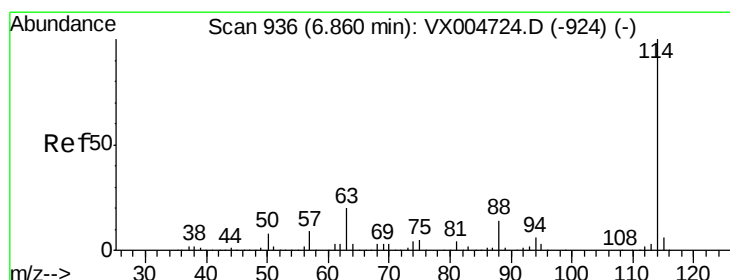
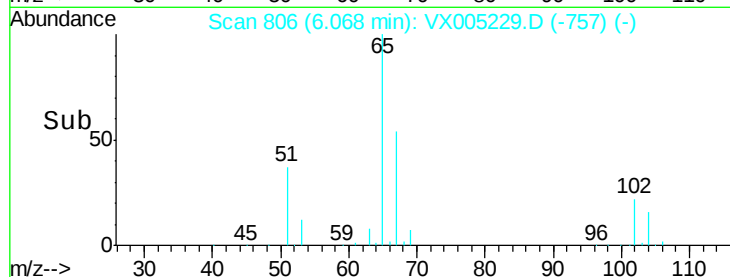
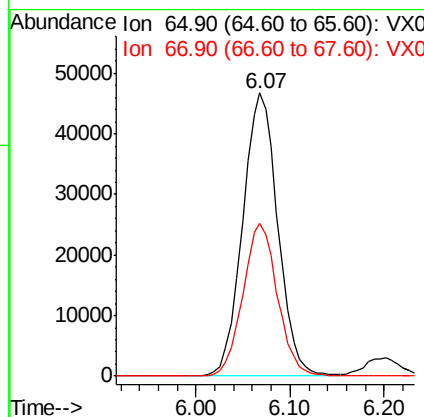
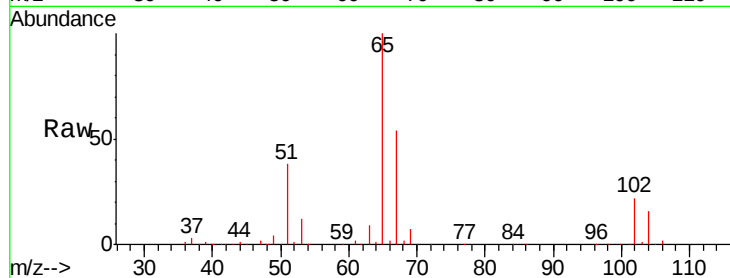
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

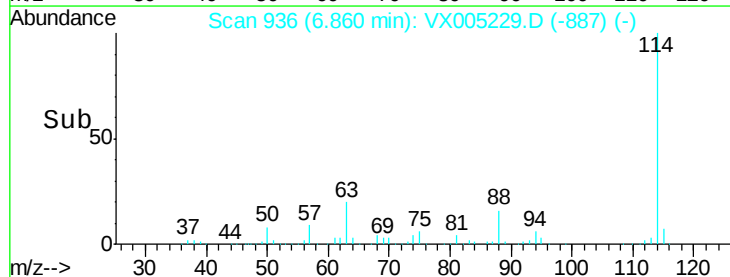
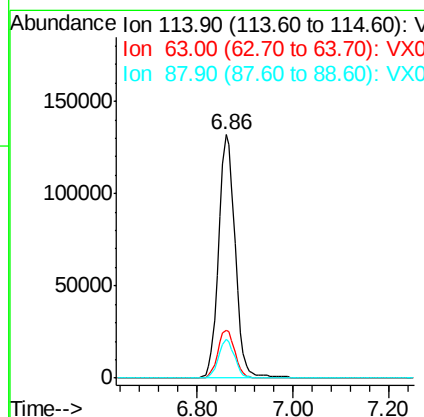
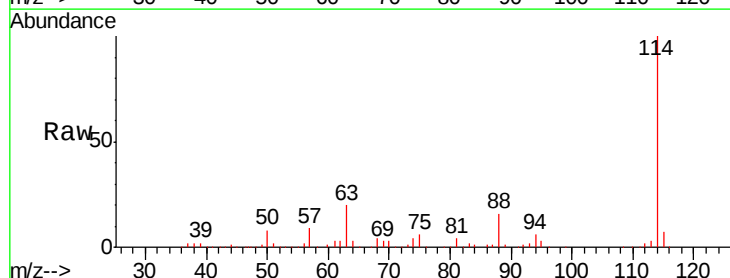
RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.8
88	16.0	0.0	27.0





#35

Dibromofluoromethane

Concen: 37.05 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

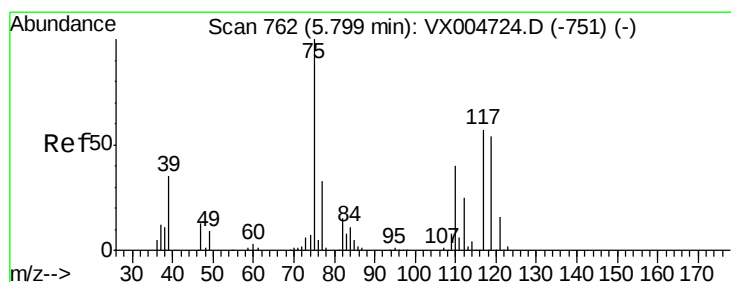
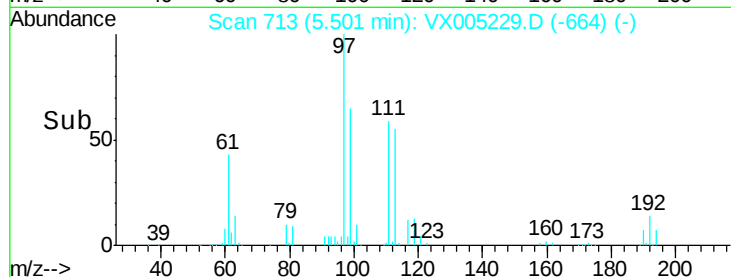
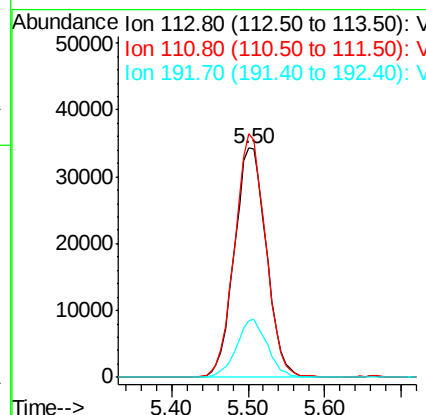
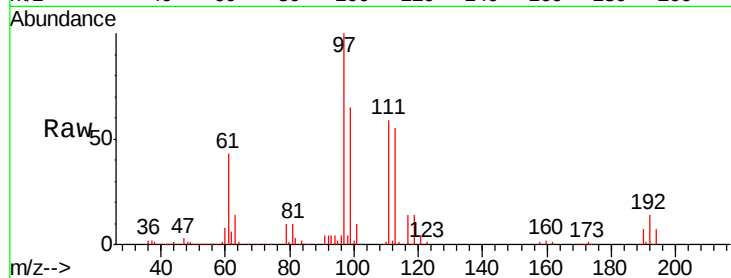
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	99486		
111	102.4	77.0	115.4	
192	24.1	17.0	25.6	

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



#36

1,1-Dichloropropene

Concen: 46.96 ug/l

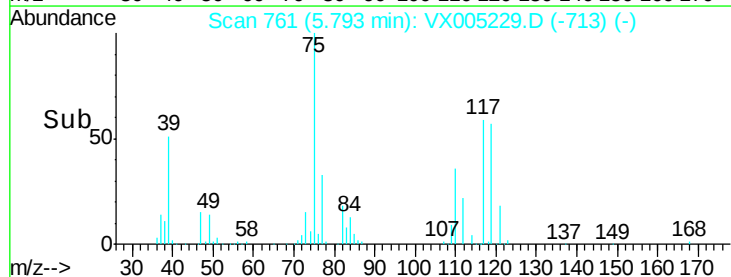
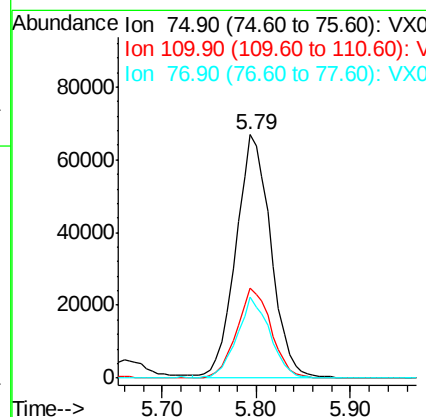
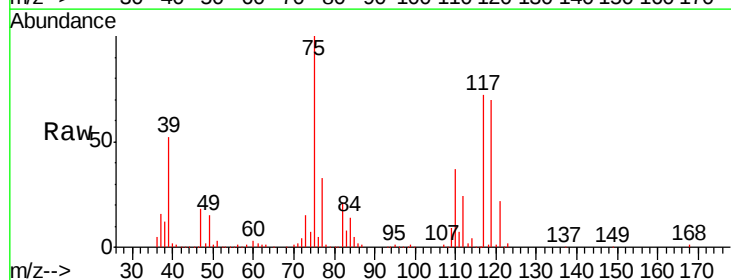
RT: 5.79 min Scan# 761

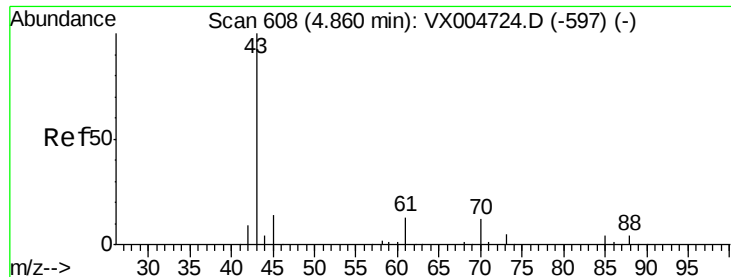
Delta R.T. -0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	172065		
110	36.7	20.0	59.9	
77	31.7	27.1	40.7	





#37

Ethyl Acetate

Concen: 47.64 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

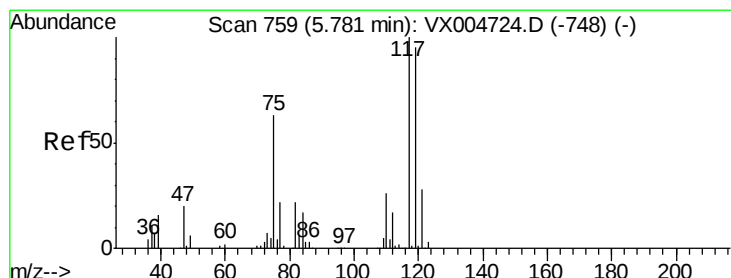
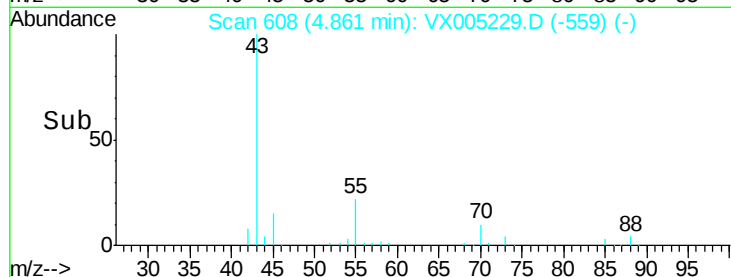
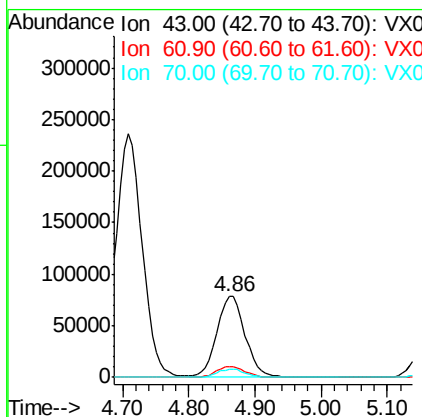
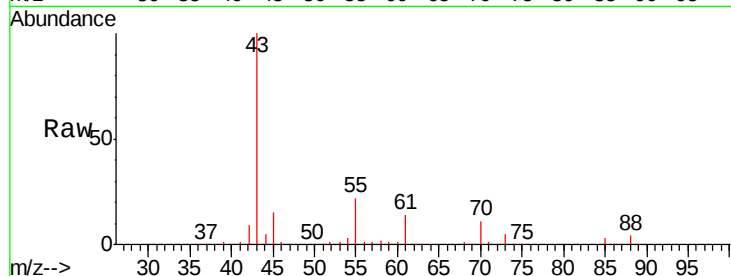
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	231680
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.4	15.6
70	10.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



#38

Carbon Tetrachloride

Concen: 47.34 ug/l

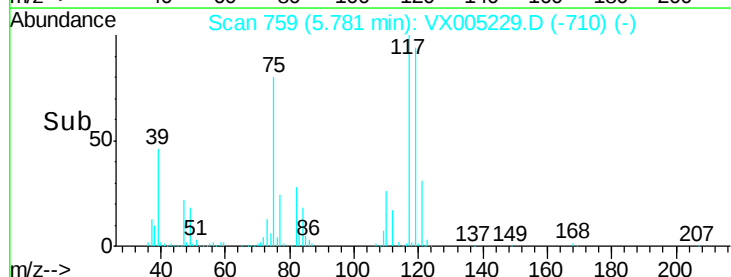
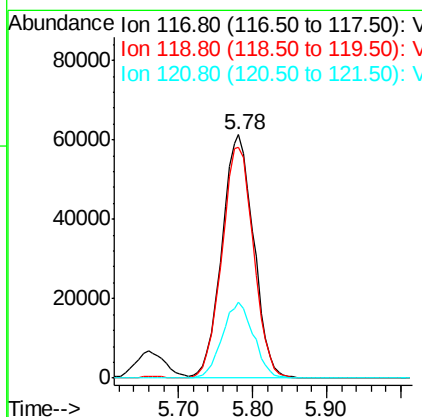
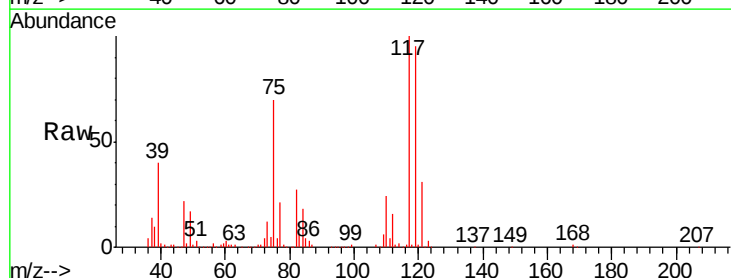
RT: 5.78 min Scan# 759

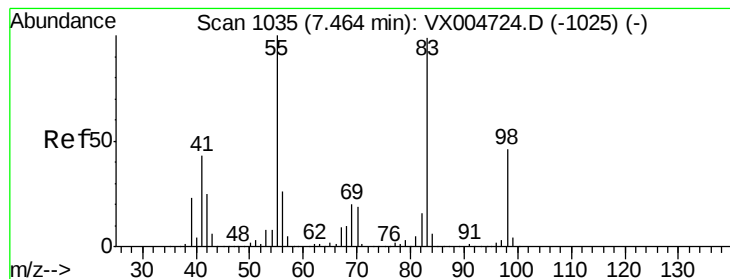
Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion:	117	Resp:	182332
Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.2	112.8
121	31.1	22.5	33.7





#39

Methylcyclohexane

Concen: 51.50 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 192685

Ion Ratio Lower Upper

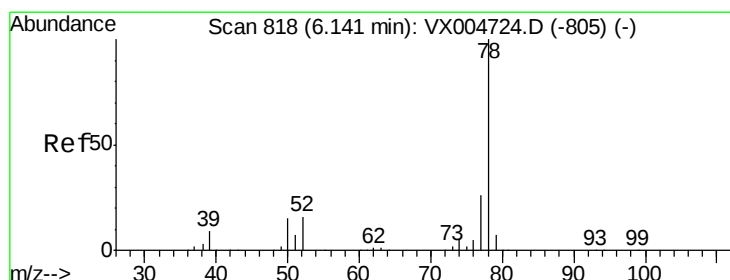
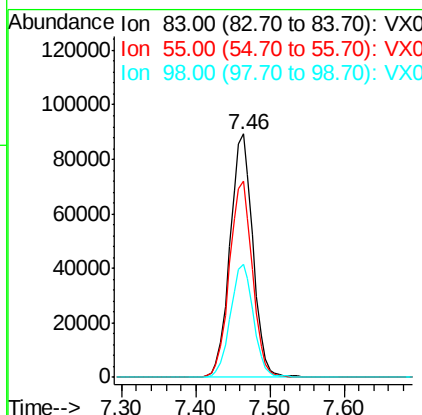
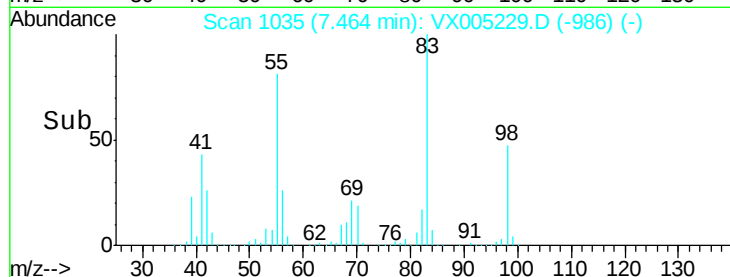
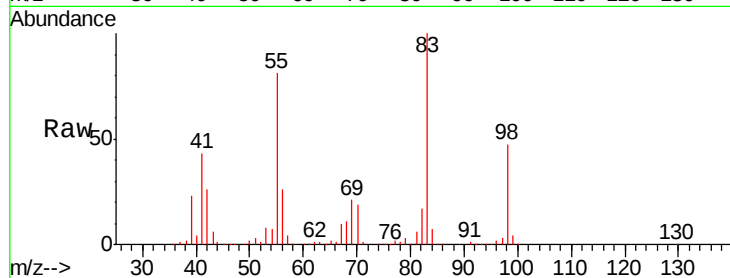
83 100

55 80.6 81.1 121.7#

98 46.6 37.3 55.9

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



#40

Benzene

Concen: 46.27 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX005229.D

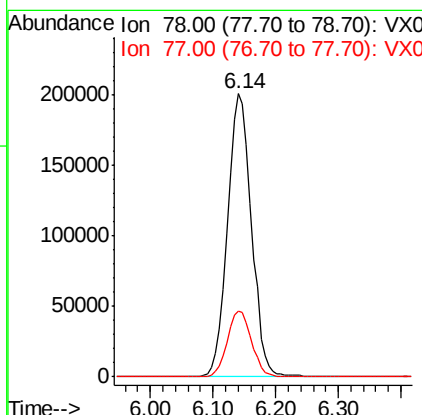
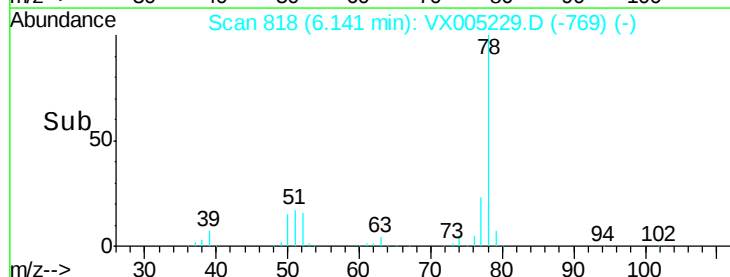
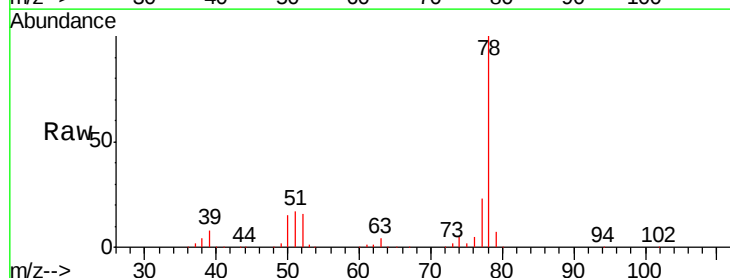
Acq: 11 Oct 2018 02:43

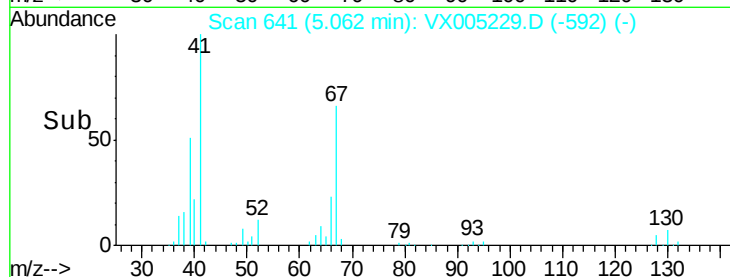
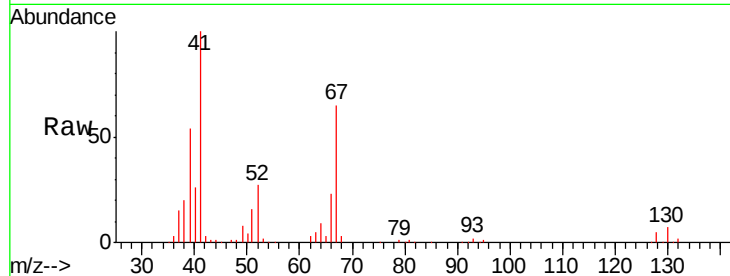
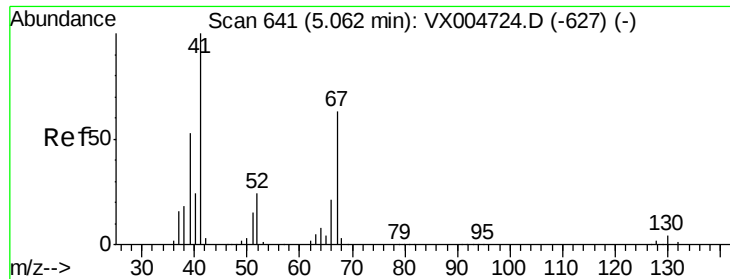
Tgt Ion: 78 Resp: 530743

Ion Ratio Lower Upper

78 100

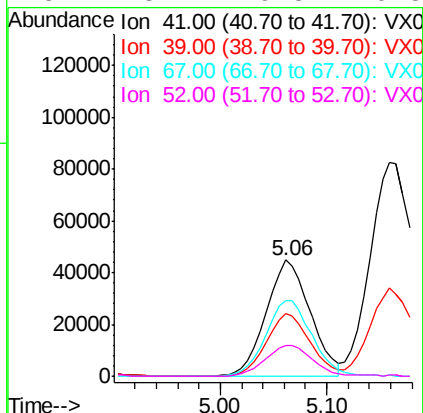
77 23.3 21.0 31.4





#41
Methacrylonitrile
Concen: 47.52 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

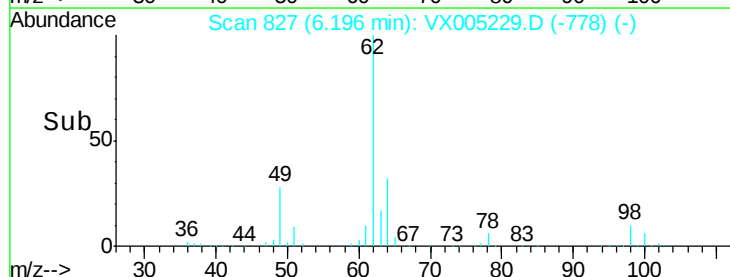
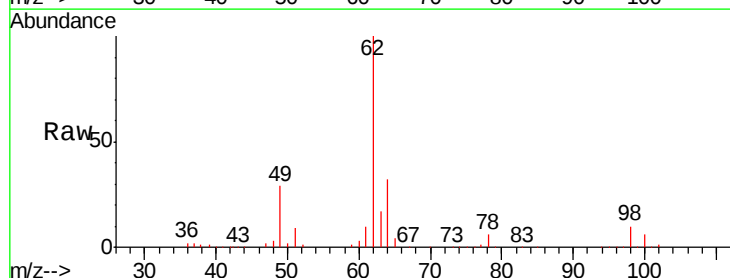
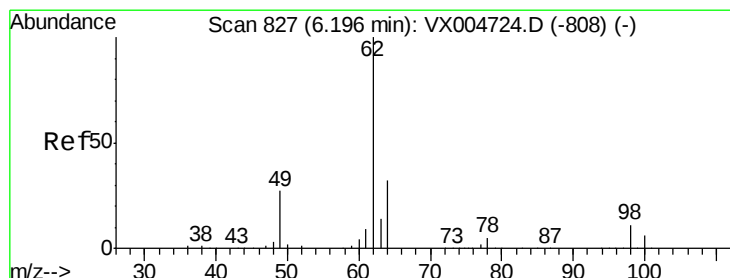
Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.4	42.5	63.7
67	68.5	53.0	79.6
52	28.2	19.8	29.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

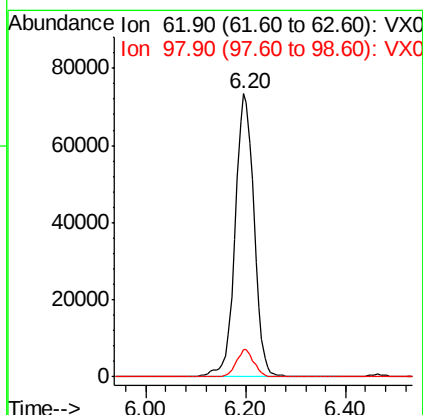
Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



#42
1,2-Dichloroethane
Concen: 47.75 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 48.05 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

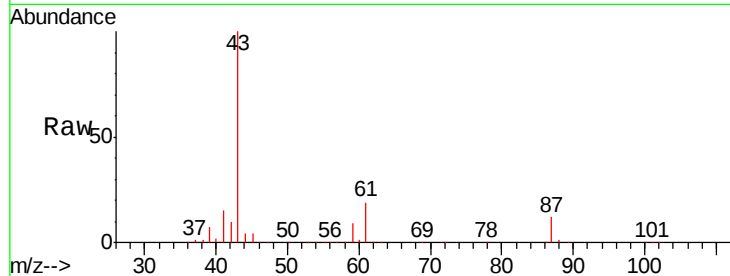
ClientSampleId :

VSTDCCC050

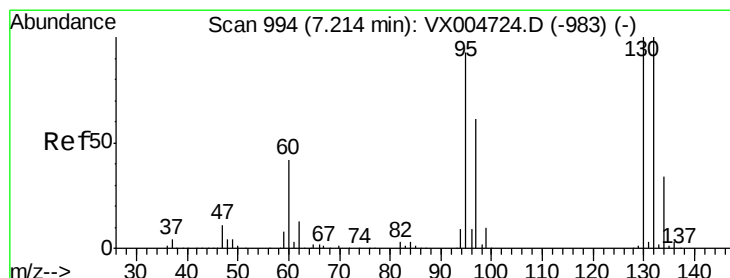
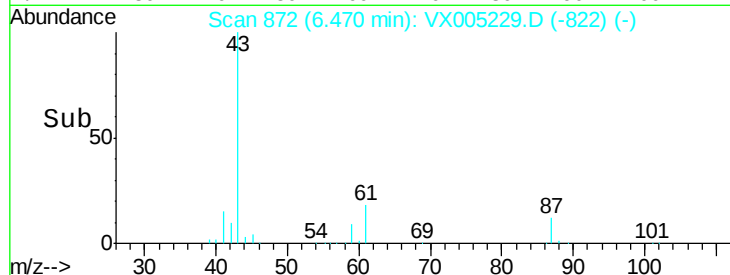
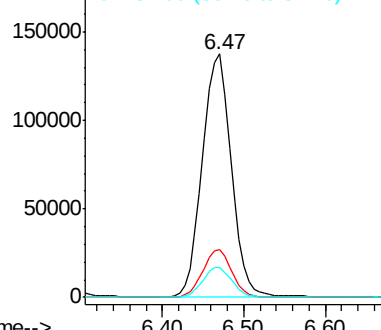
Tgt Ion:	43	Resp:	337290
Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.2	21.4
87	12.5	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-859) (-)



#44

Trichloroethene

Concen: 49.84 ug/l

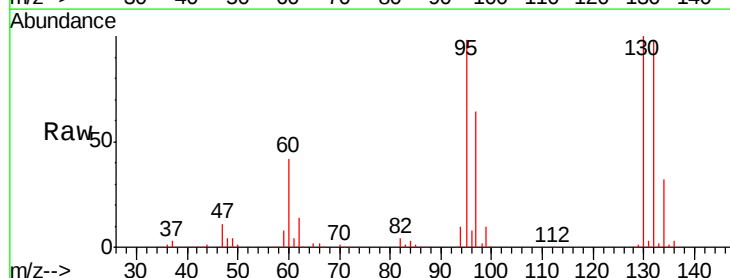
RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

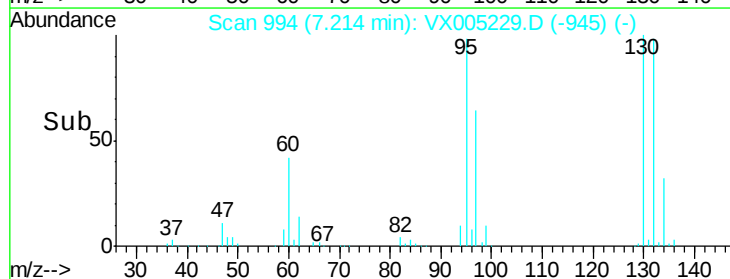
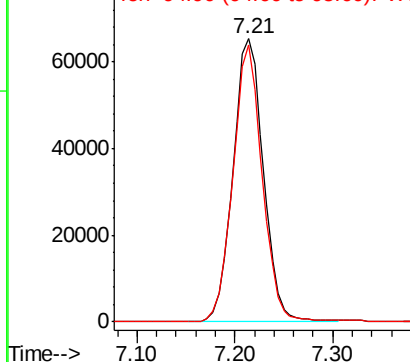
Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion:	130	Resp:	140539
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	186.8



Abundance Ion 129.80 (129.50 to 130.50): VX004724.D (-983) (-)





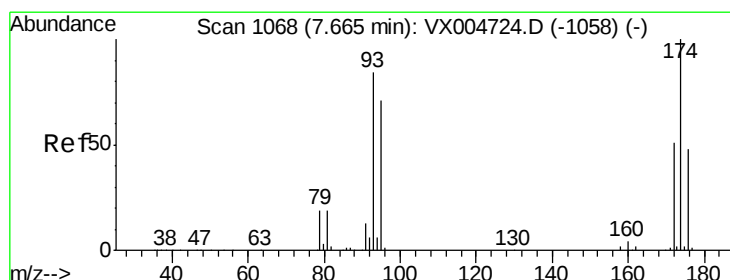
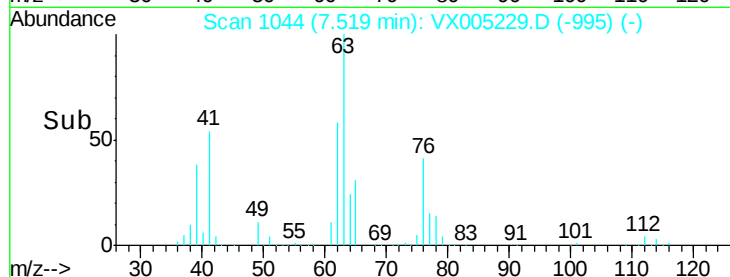
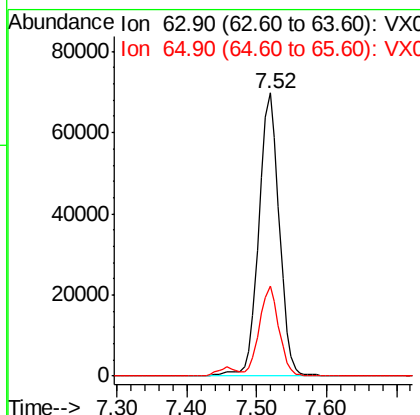
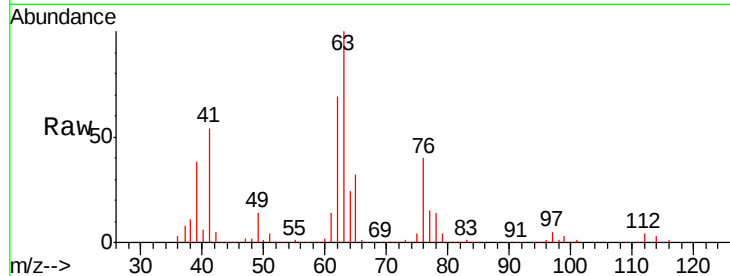
#45
 1,2-Dichloropropane
 Concen: 50.51 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 142091
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.9 35.9

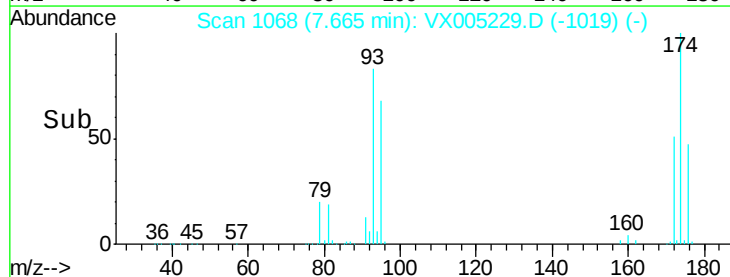
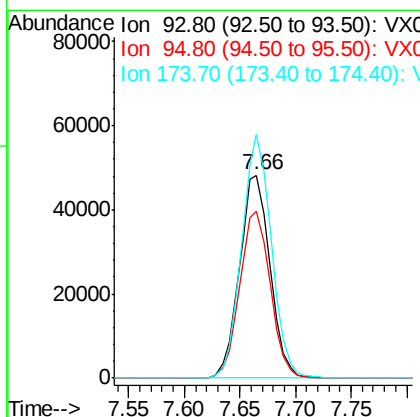
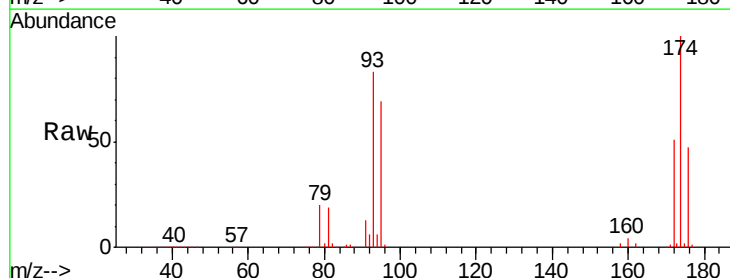
Manual Integrations
 APPROVED

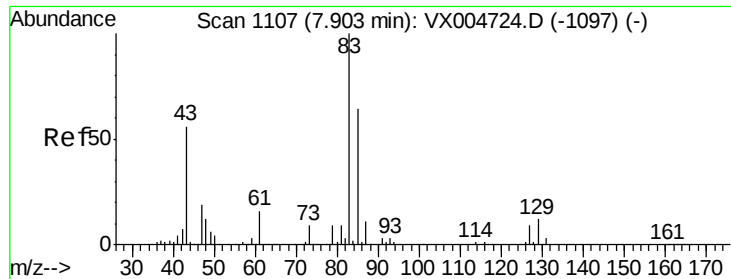
MMDadoda
 10/12/2018 11:45:02 AM



#46
 Dibromomethane
 Concen: 52.04 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion: 93 Resp: 91990
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.7 100.1
 174 116.7 92.7 139.1





#47

Bromodichloromethane

Concen: 54.05 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 178889

Ion Ratio Lower Upper

83 100

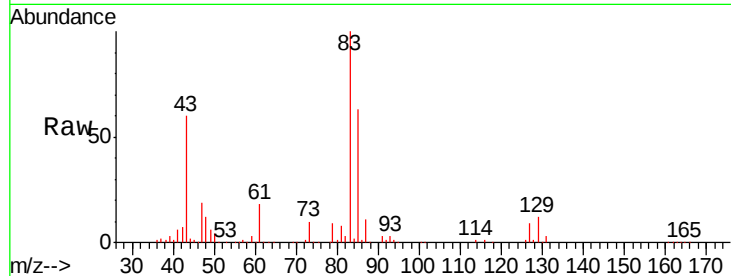
85 63.3 51.2 76.8

127 9.3 7.0 10.6

Manual Integrations
APPROVED

MMDadoda

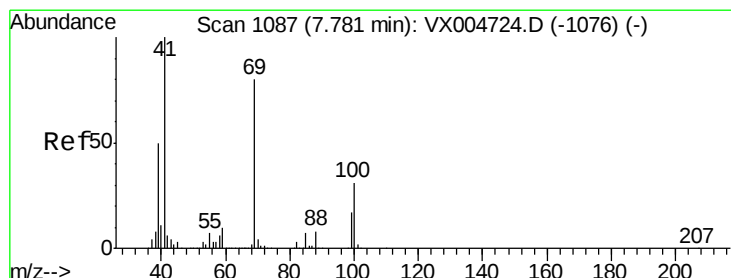
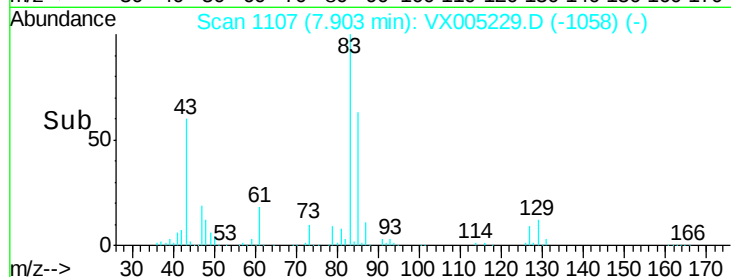
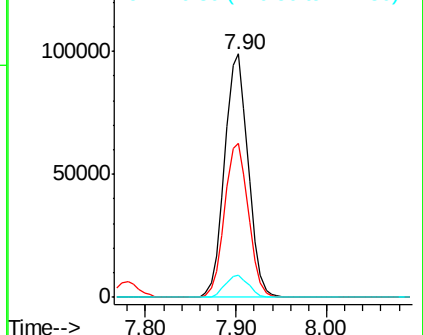
10/12/2018 11:45:02 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 57.05 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

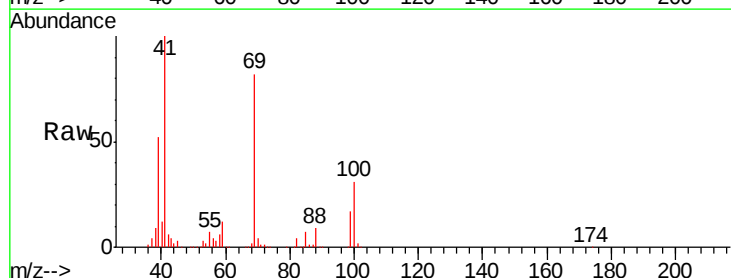
Tgt Ion: 41 Resp: 181775

Ion Ratio Lower Upper

41 100

69 80.8 63.8 95.6

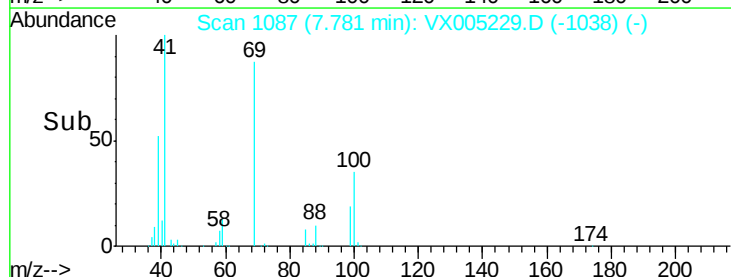
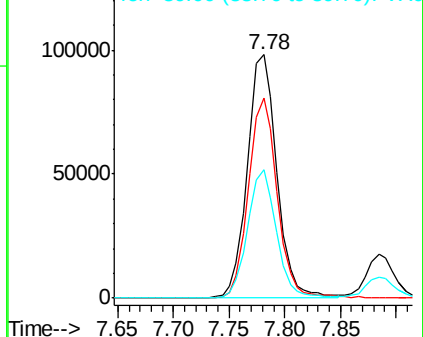
39 51.2 40.7 61.1

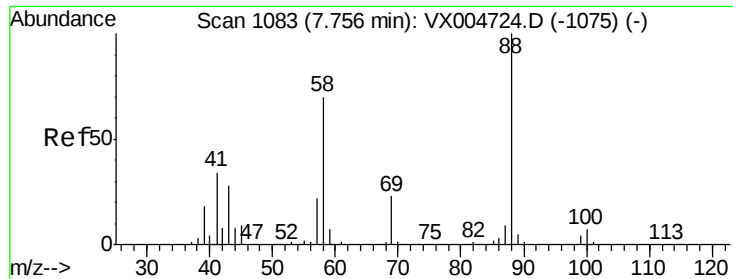


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





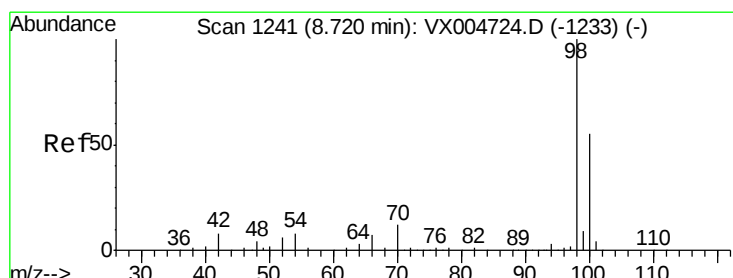
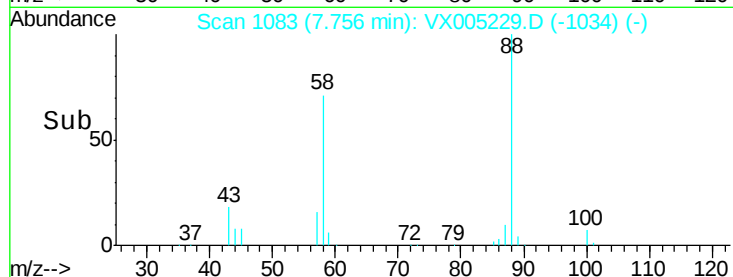
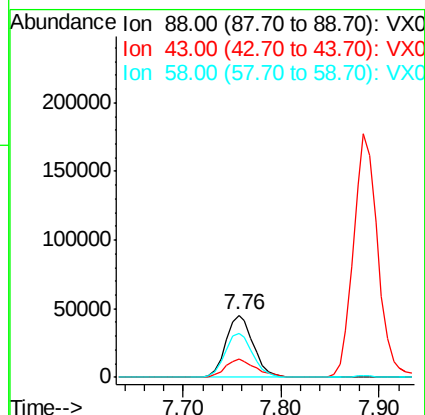
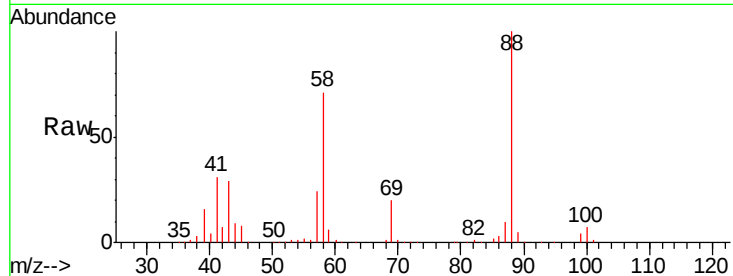
#49
1,4-Dioxane
Concen: 1104.68 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 87441
Ion Ratio Lower Upper
88 100
43 32.7 25.1 37.7
58 72.7 56.2 84.2

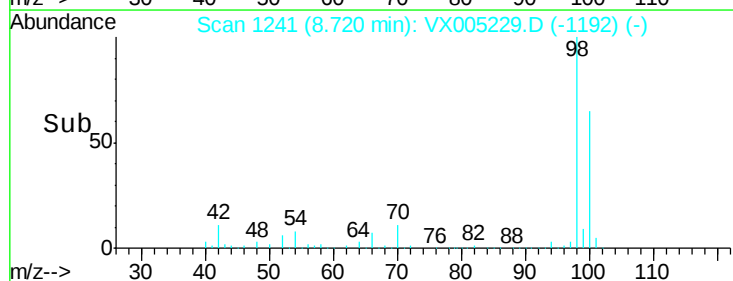
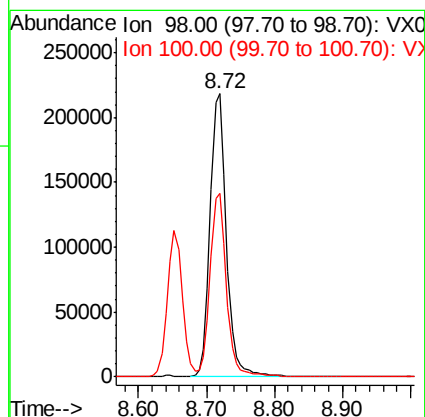
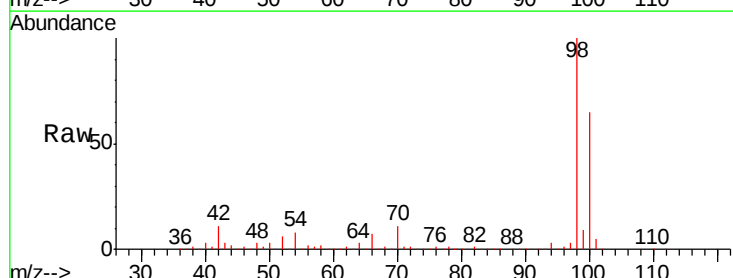
Manual Integrations
APPROVED

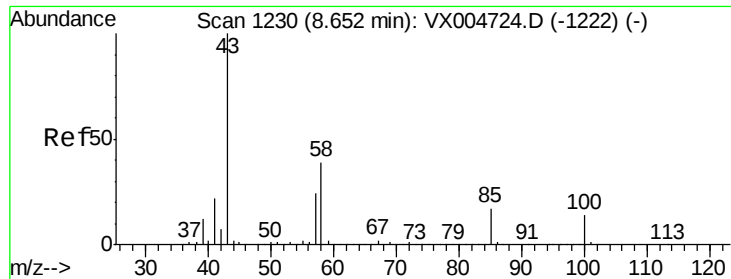
MMDadoda
10/12/2018 11:45:02 AM



#50
Toluene-d8
Concen: 40.82 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 98 Resp: 364414
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9





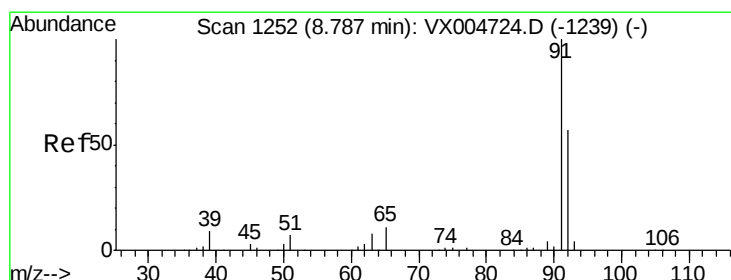
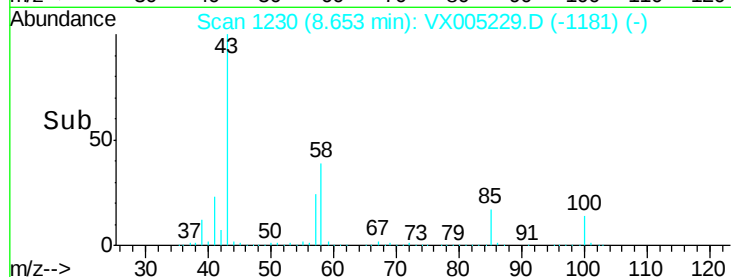
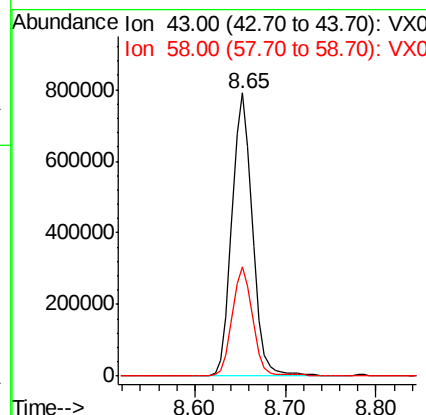
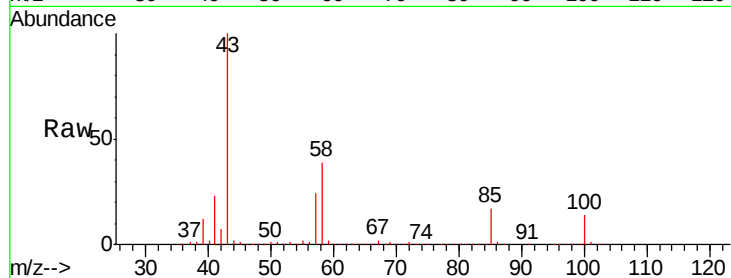
#51
4-Methyl-2-Pentanone
Concen: 282.18 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1247186
Ion Ratio Lower Upper
43 100
58 38.7 30.5 45.7

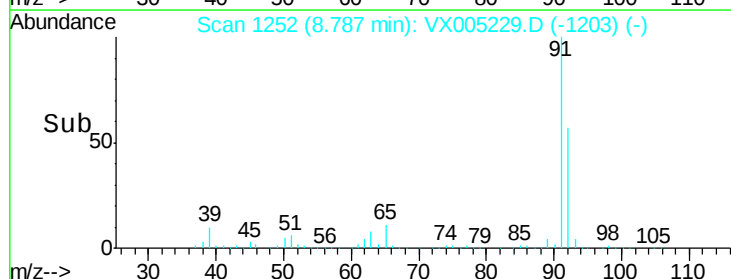
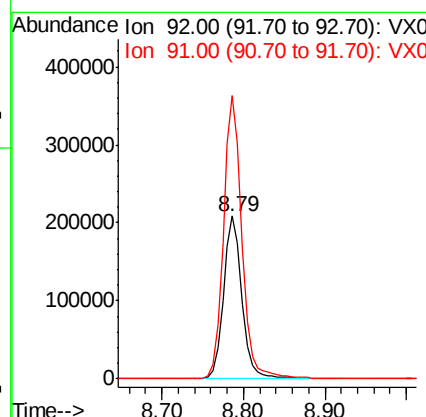
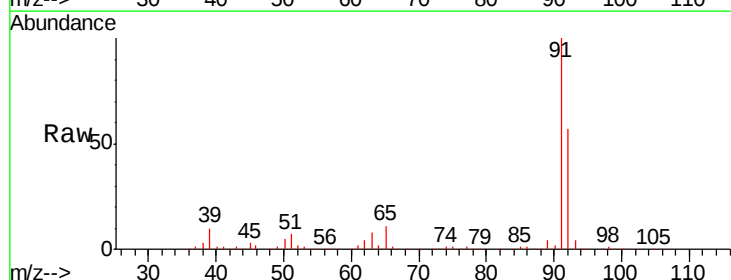
Manual Integrations
APPROVED

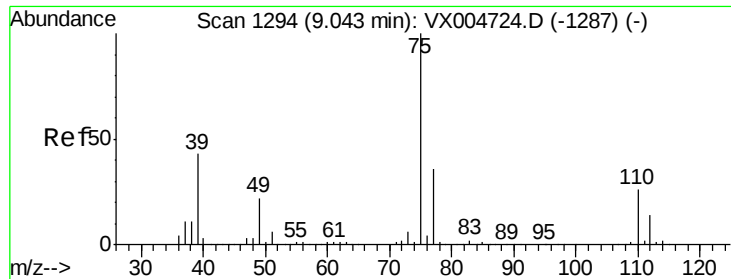
MMDadoda
10/12/2018 11:45:02 AM



#52
Toluene
Concen: 52.28 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 92 Resp: 329518
Ion Ratio Lower Upper
92 100
91 174.4 136.7 205.1





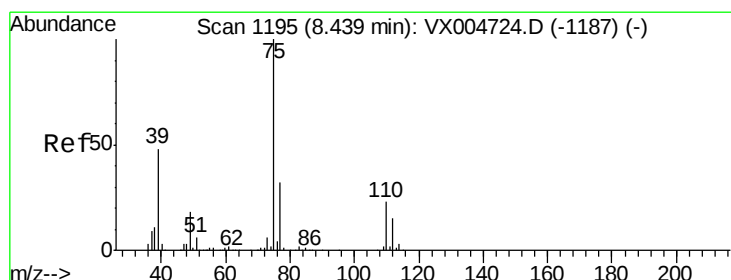
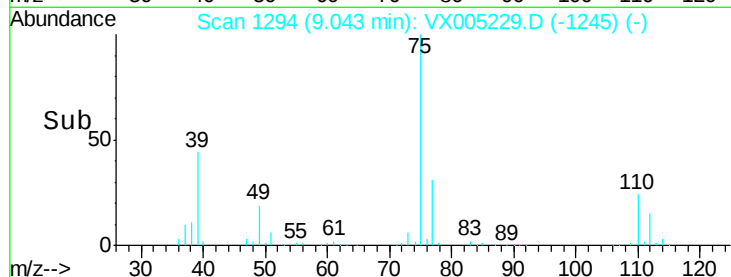
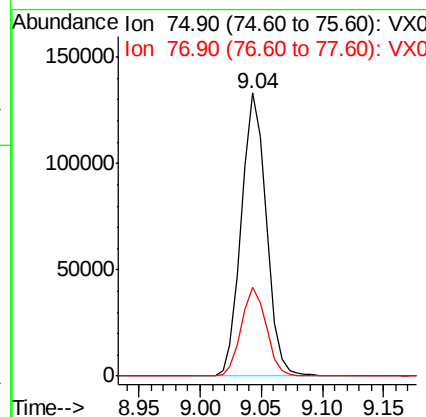
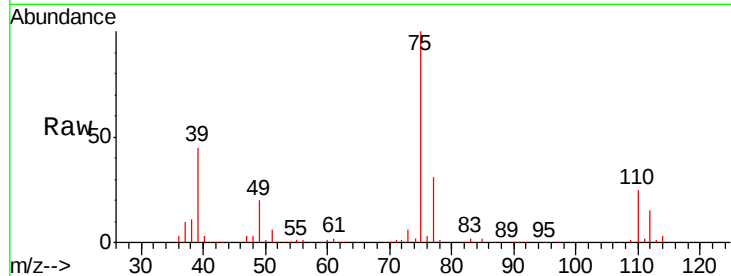
#53
t-1,3-Dichloropropene
Concen: 50.15 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 187570
Ion Ratio Lower Upper
75 100
77 31.2 28.9 43.3

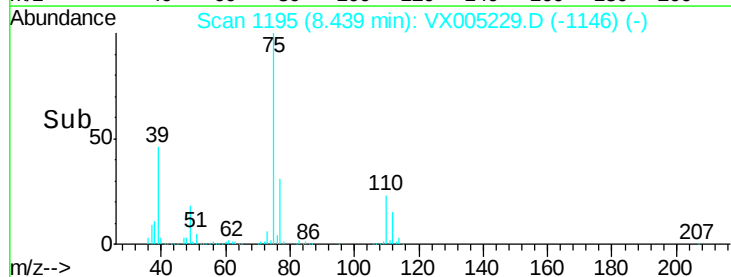
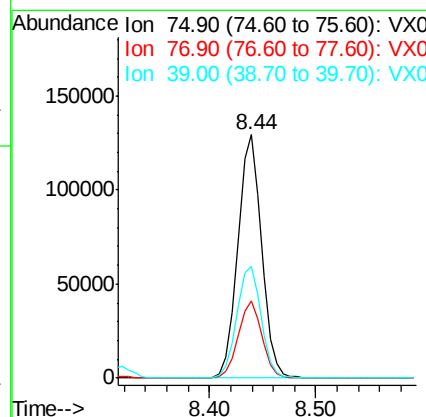
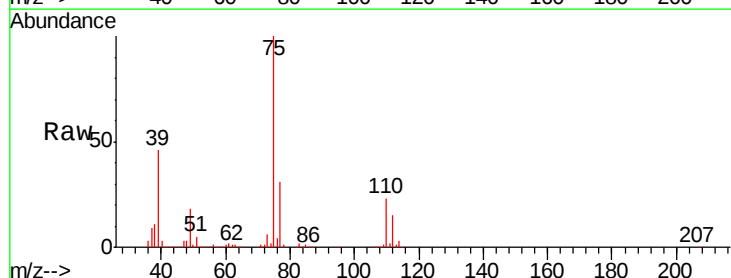
Manual Integrations
APPROVED

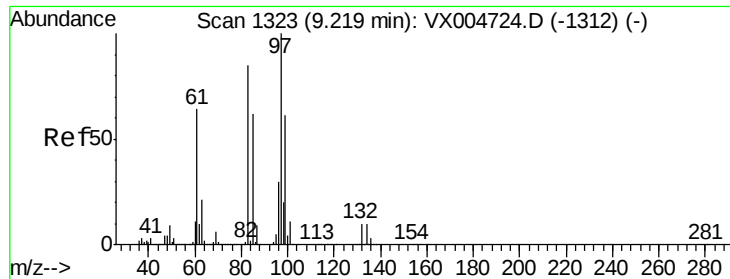
MMDadoda
10/12/2018 11:45:02 AM



#54
cis-1,3-Dichloropropene
Concen: 51.92 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 75 Resp: 203393
Ion Ratio Lower Upper
75 100
77 31.5 25.7 38.5
39 45.7 38.3 57.5





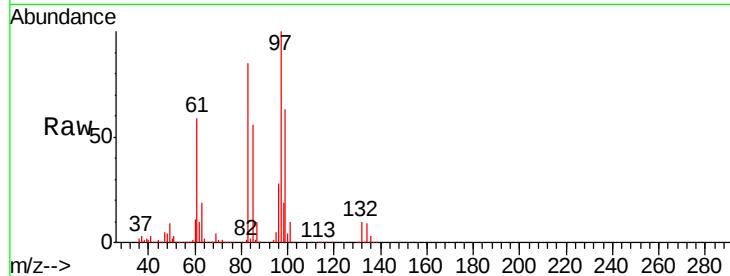
#55
 1,1,2-Trichloroethane
 Concen: 49.98 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

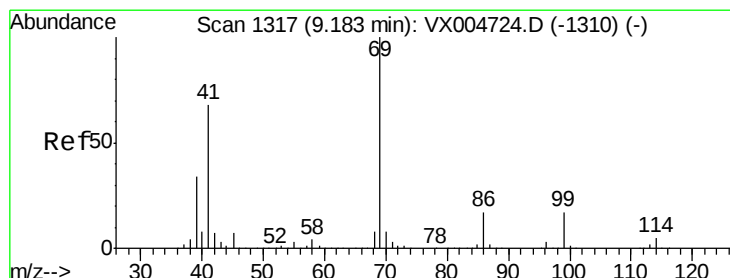
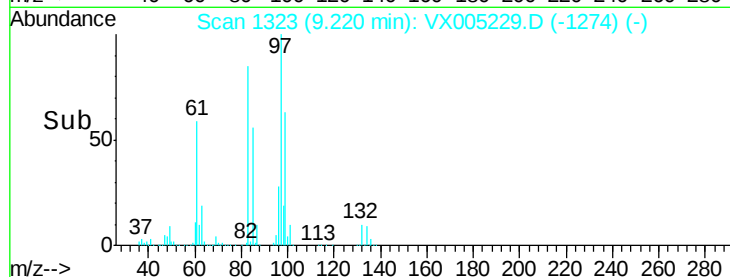
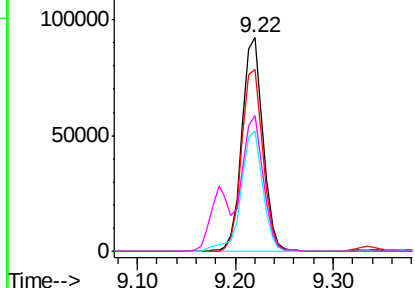
Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.2	102.2
85	56.2	49.9	74.9
99	63.3	48.9	73.3

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 11:45:02 AM

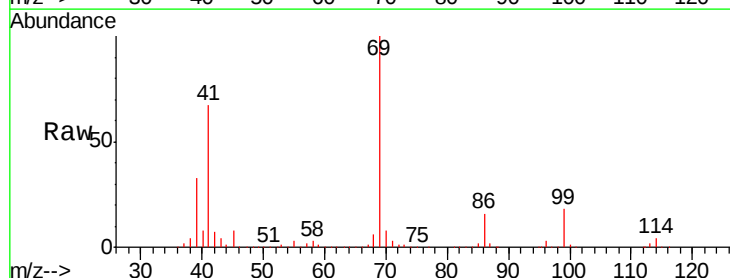


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

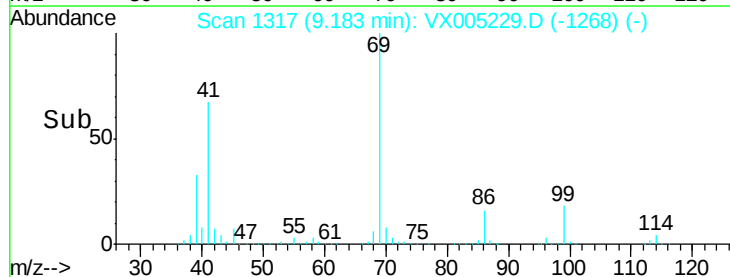
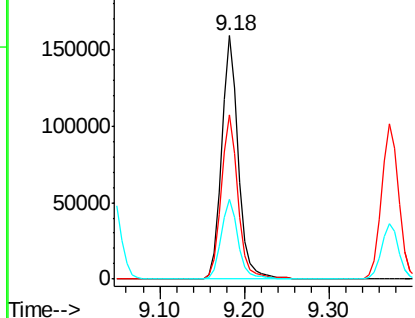


#56
 Ethyl methacrylate
 Concen: 48.60 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.0	56.9	85.3
39	33.4	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: 50.71 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 233014

Ion Ratio Lower Upper

76 100

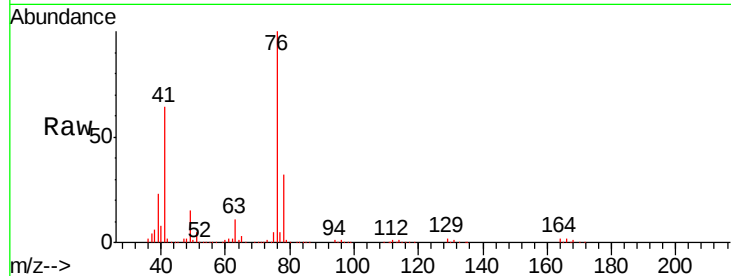
78 31.9 26.6 40.0

Manual Integrations

APPROVED

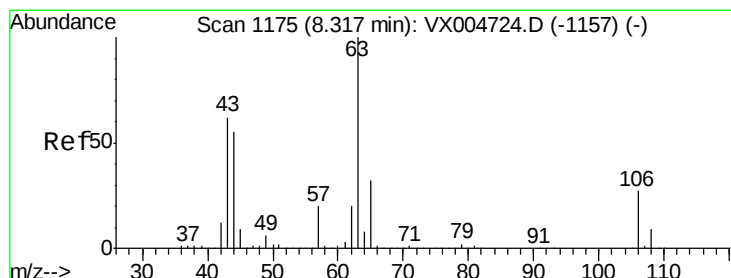
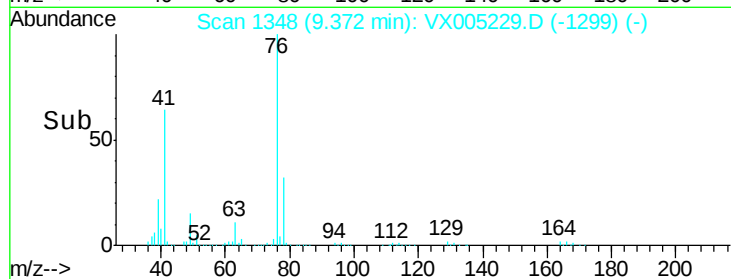
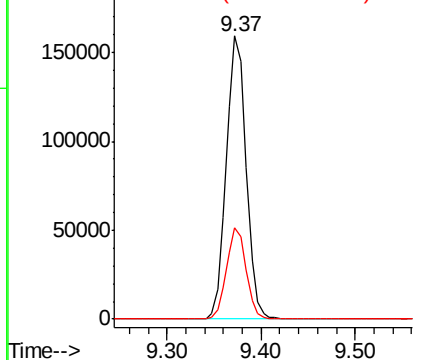
MMDadoda

10/12/2018 11:45:02 AM



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: 198.00 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005229.D

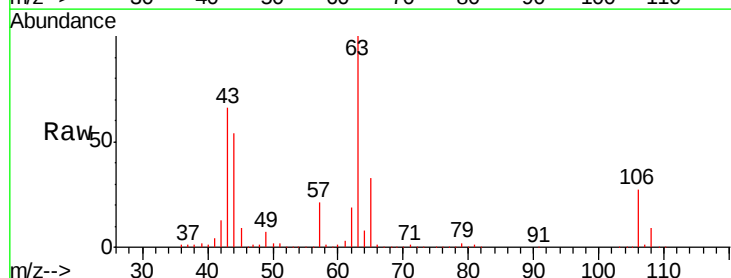
Acq: 11 Oct 2018 02:43

Tgt Ion: 63 Resp: 463533

Ion Ratio Lower Upper

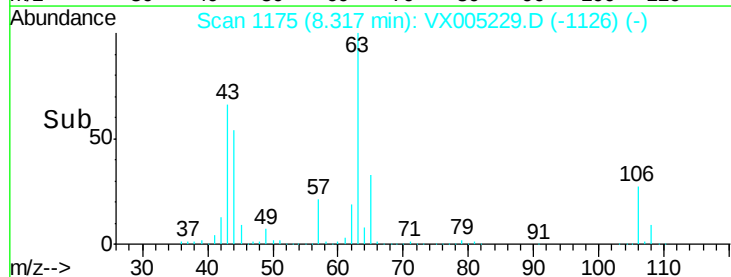
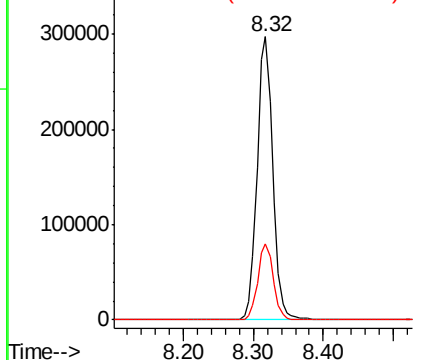
63 100

106 26.9 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





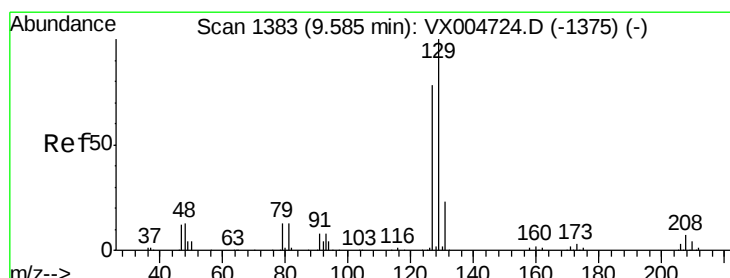
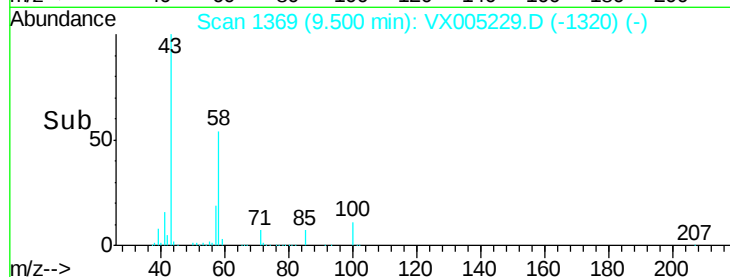
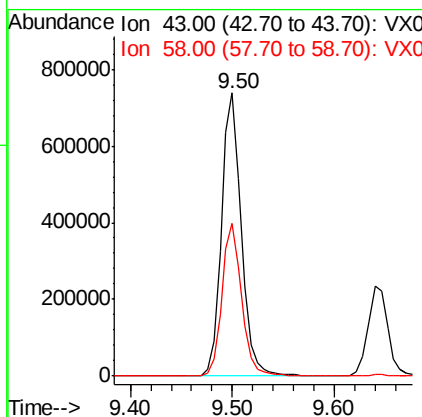
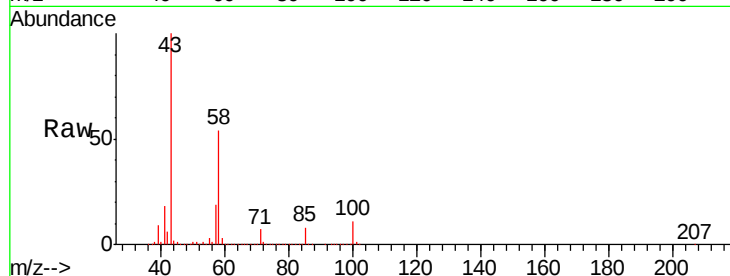
#59
2-Hexanone
Concen: 272.06 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1002050
Ion Ratio Lower Upper
43 100
58 53.5 28.4 85.3

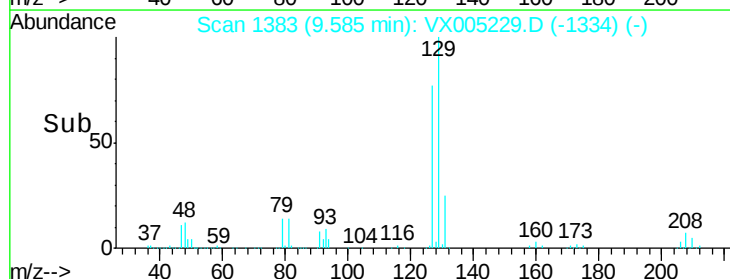
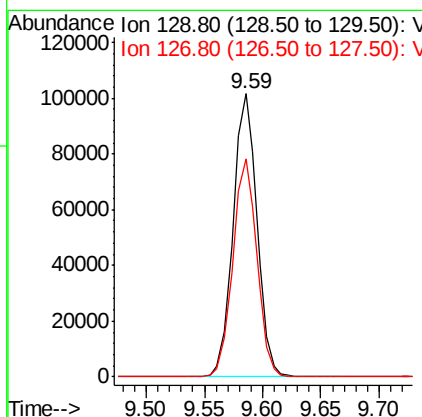
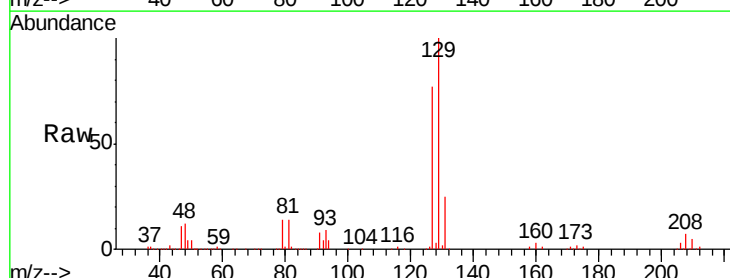
Manual Integrations
APPROVED

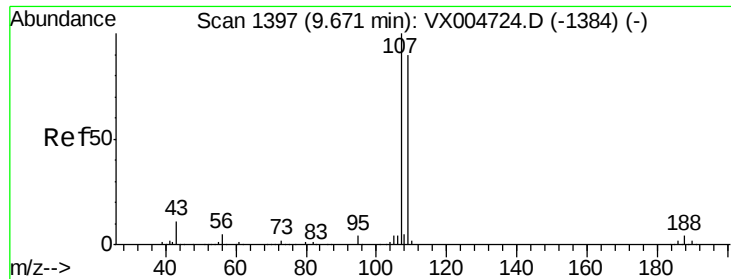
MMDadoda
10/12/2018 11:45:02 AM



#60
Dibromochloromethane
Concen: 52.71 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 129 Resp: 145528
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 49.01 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 144922

Ion Ratio Lower Upper

107 100

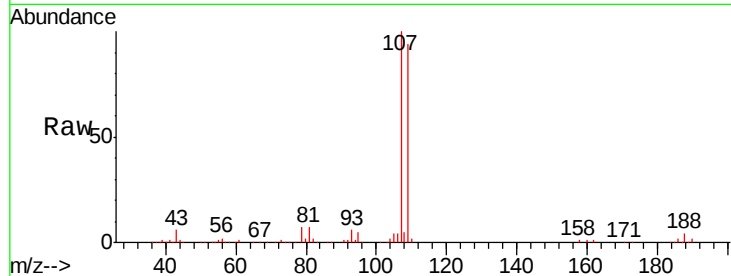
109 94.3 72.1 108.1

Manual Integrations

APPROVED

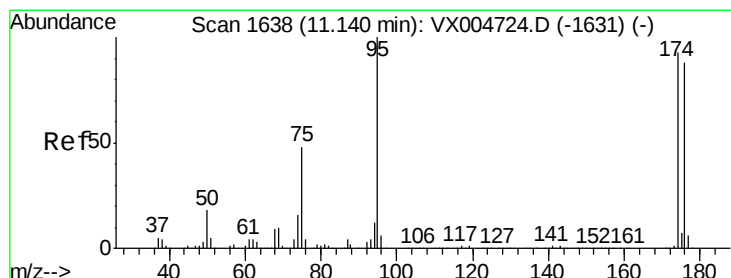
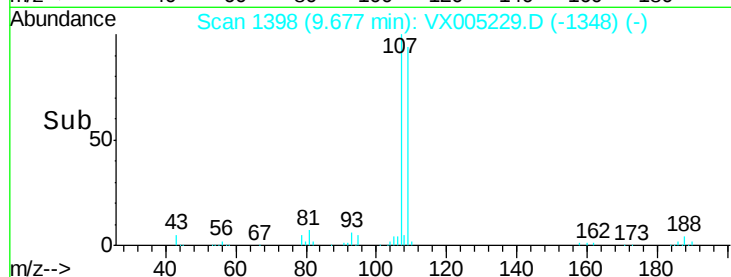
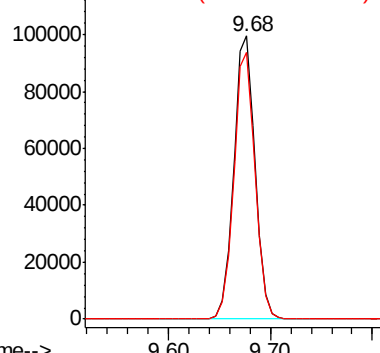
MMDadoda

10/12/2018 11:45:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.34 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

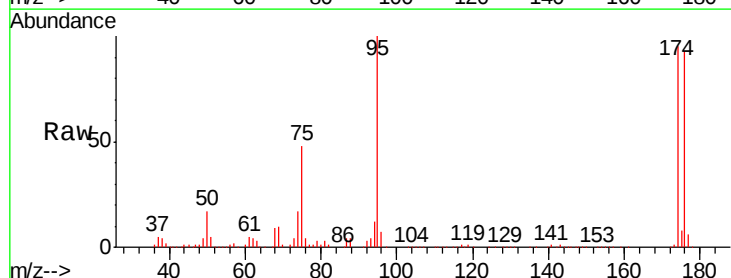
Tgt Ion: 95 Resp: 139391

Ion Ratio Lower Upper

95 100

174 93.5 0.0 185.0

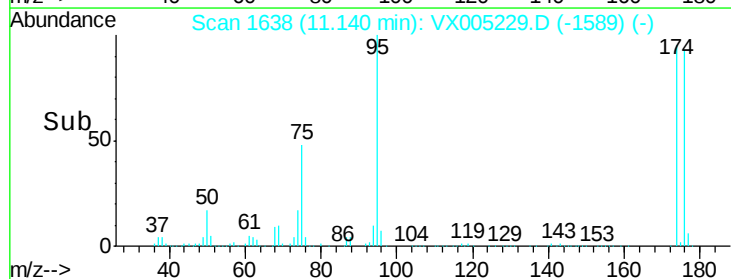
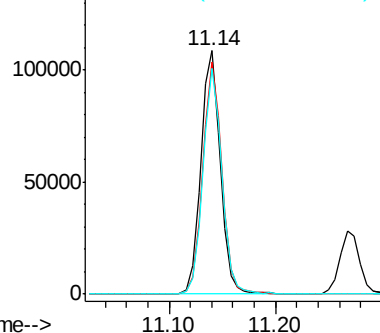
176 90.5 0.0 180.2

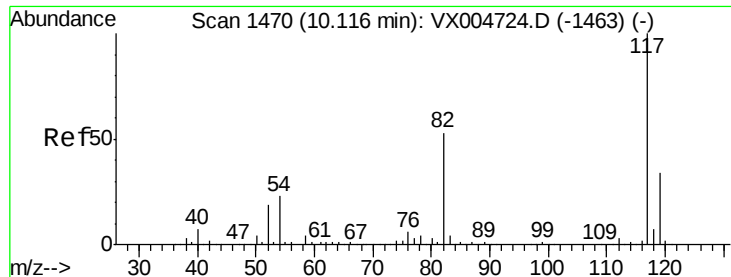


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





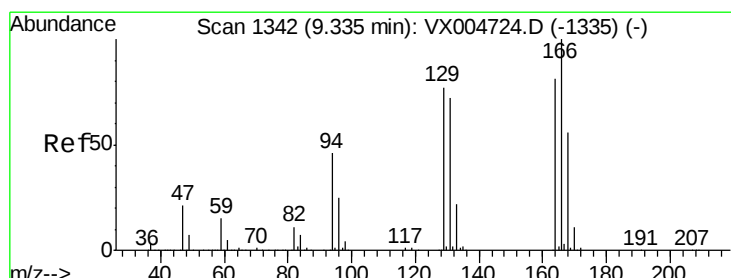
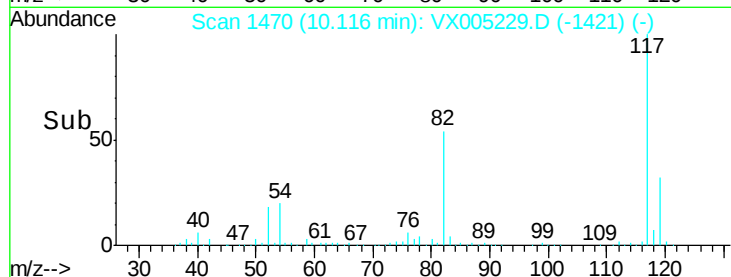
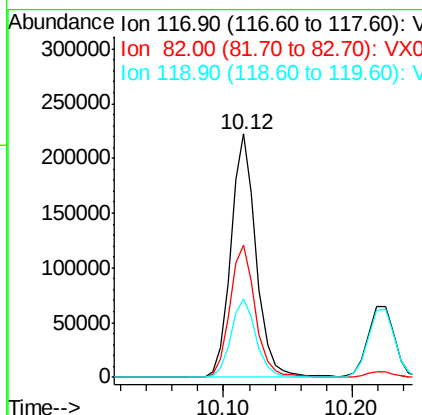
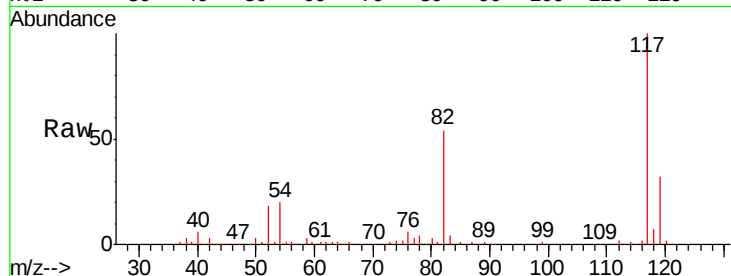
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	303695		
82	54.3	42.2	63.4	
119	32.1	27.4	41.0	

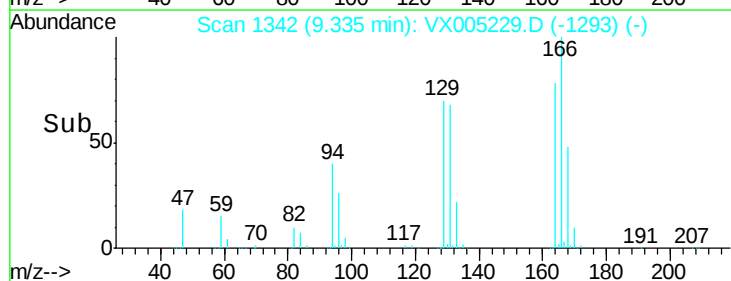
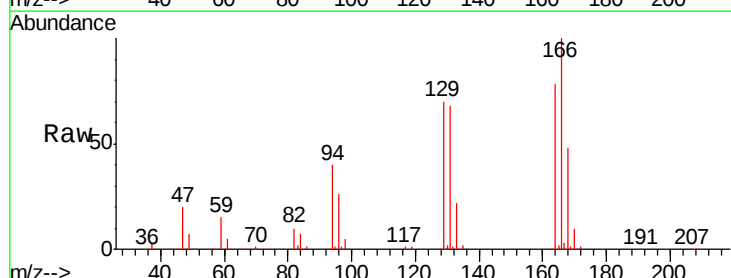
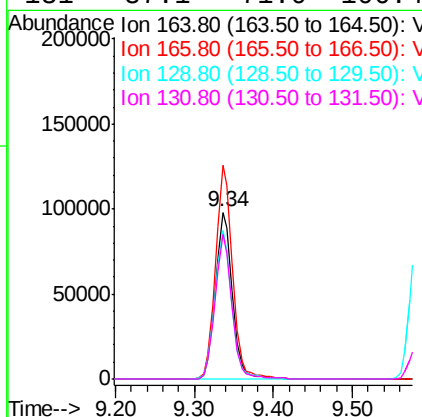
Manual Integrations
APPROVED

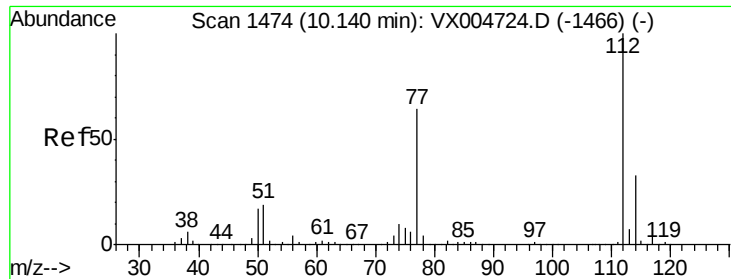
MMDadoda
10/12/2018 11:45:02 AM



#64
Tetrachloroethene
Concen: 49.31 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	147374		
166	128.1	98.4	147.6	
129	89.4	76.1	114.1	
131	87.1	71.0	106.4	





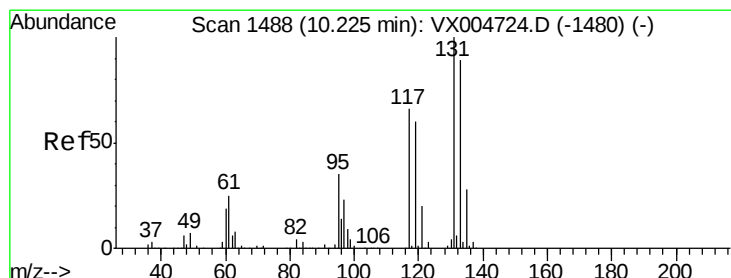
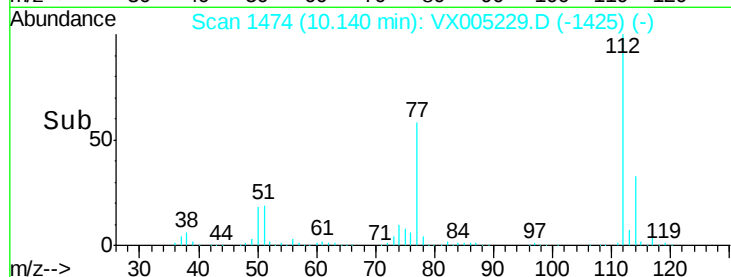
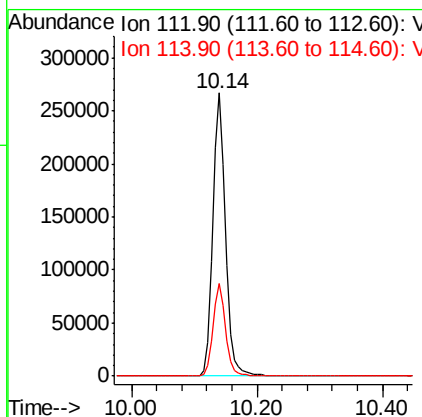
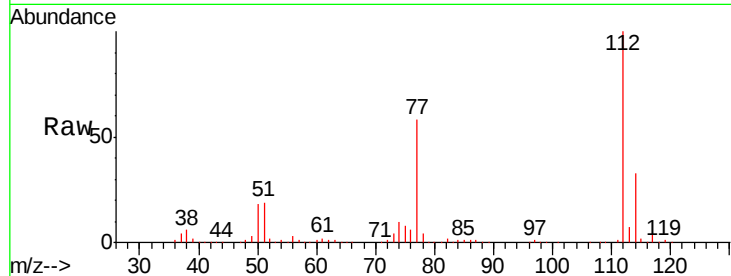
#65
Chlorobenzene
Concen: 47.74 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 371767
Ion Ratio Lower Upper
112 100
114 32.5 26.7 40.1

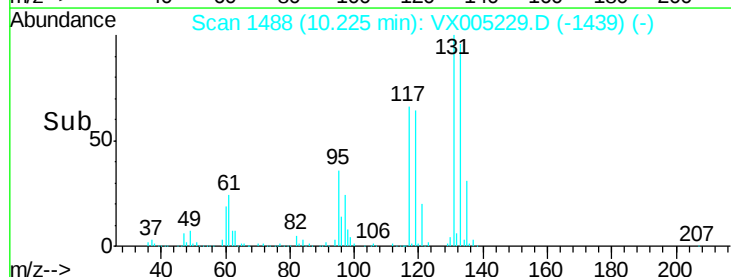
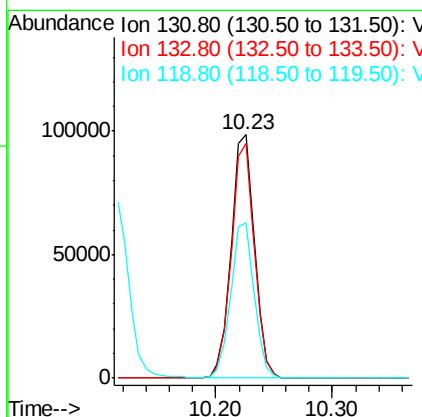
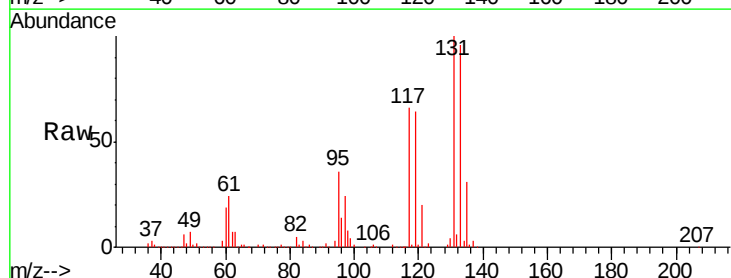
Manual Integrations
APPROVED

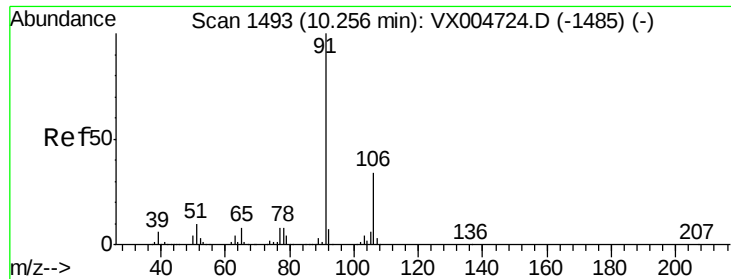
MMDadoda
10/12/2018 11:45:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.36 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion:131 Resp: 137888
Ion Ratio Lower Upper
131 100
133 95.2 48.4 145.0
119 64.2 32.3 96.8





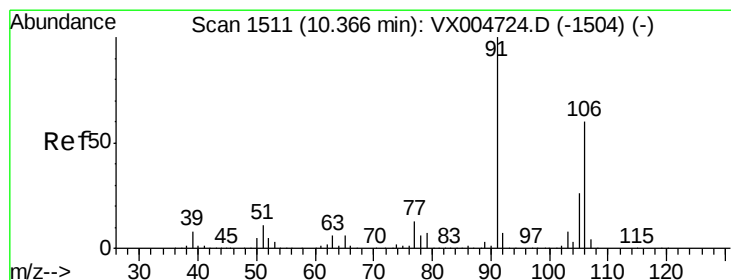
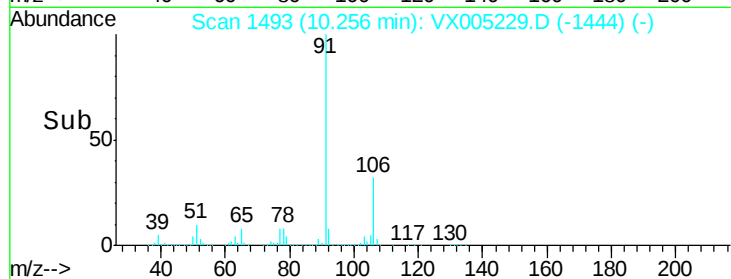
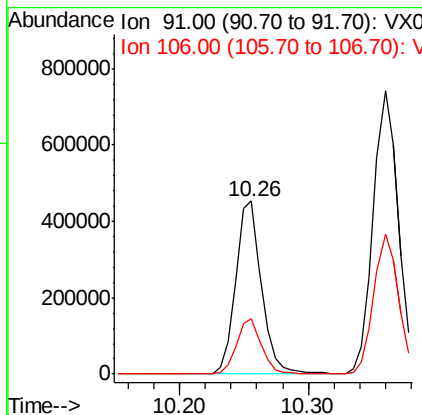
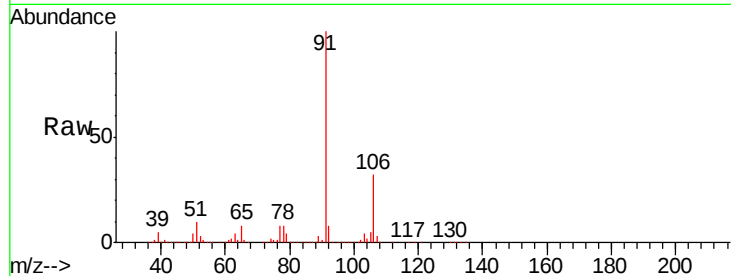
#67
Ethyl Benzene
Concen: 50.97 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 630159
Ion Ratio Lower Upper
91 100
106 31.9 26.9 40.3

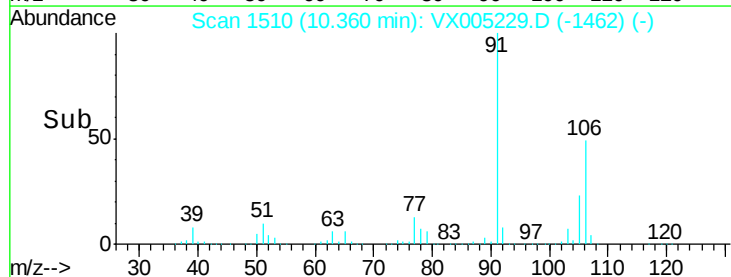
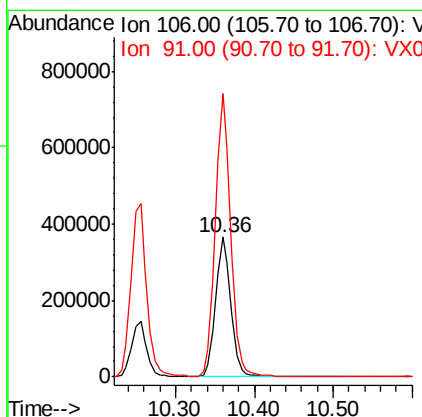
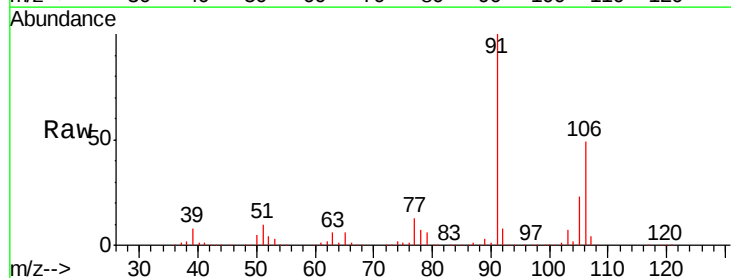
Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



#68
m/p-Xylenes
Concen: 102.75 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 106 Resp: 496404
Ion Ratio Lower Upper
106 100
91 204.1 157.5 236.3





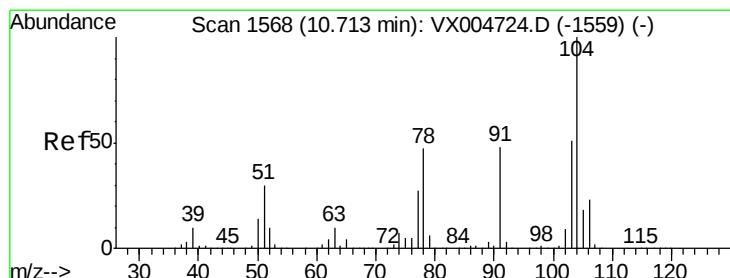
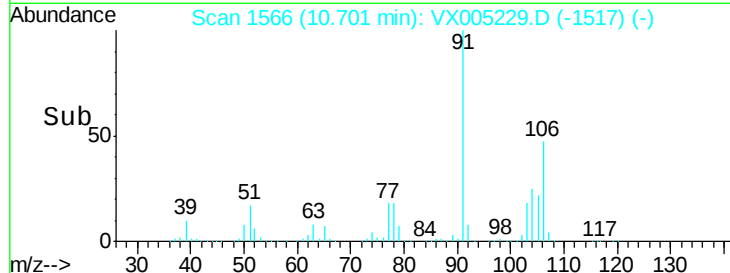
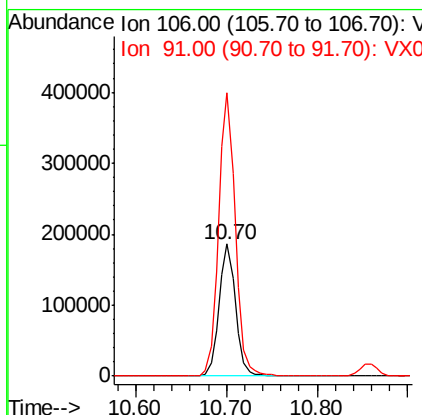
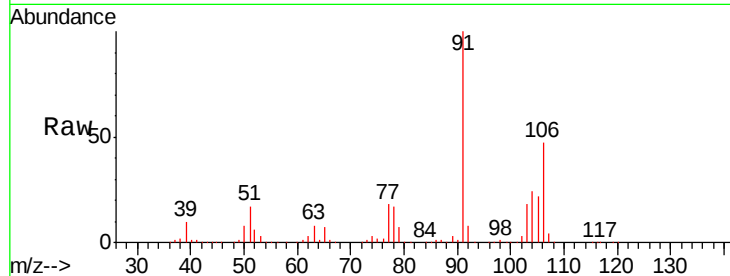
#69
o-Xylene
Concen: 53.48 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 237317
Ion Ratio Lower Upper
106 100
91 216.4 108.3 324.8

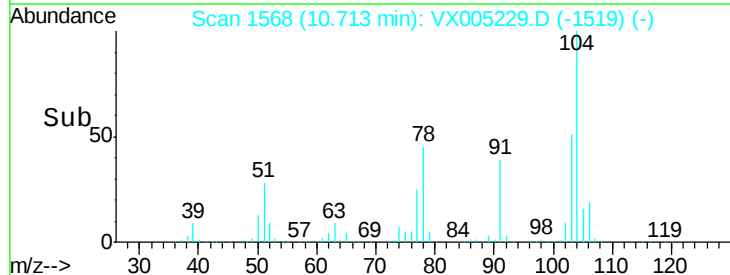
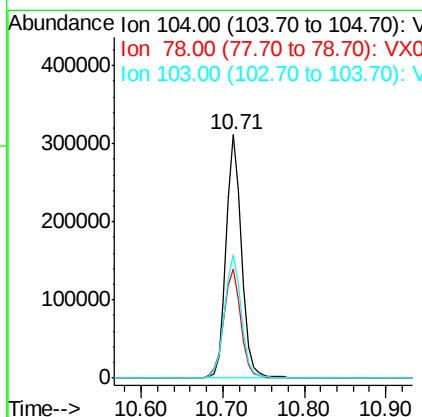
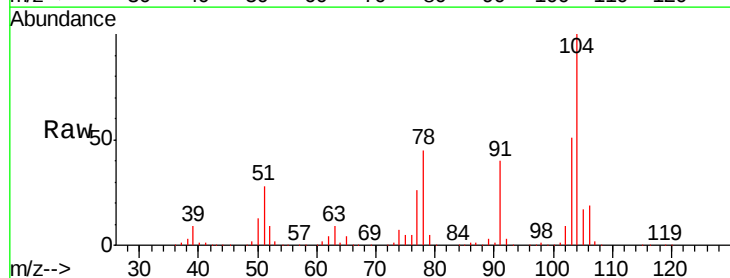
Manual Integrations
APPROVED

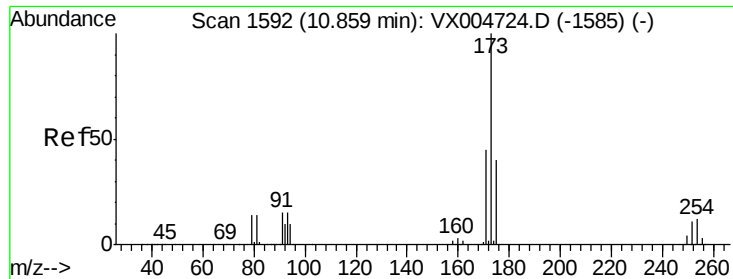
MMDadoda
10/12/2018 11:45:02 AM



#70
Styrene
Concen: 48.86 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion:104 Resp: 405073
Ion Ratio Lower Upper
104 100
78 50.3 40.0 60.0
103 55.9 44.3 66.5





#71

Bromoform

Concen: 52.93 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 124057
Ion Ratio Lower Upper

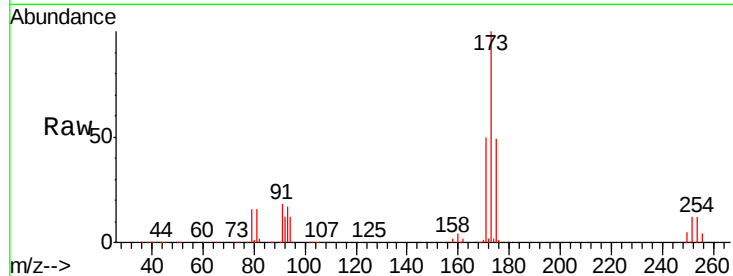
173 100

175 48.6 23.3 69.8

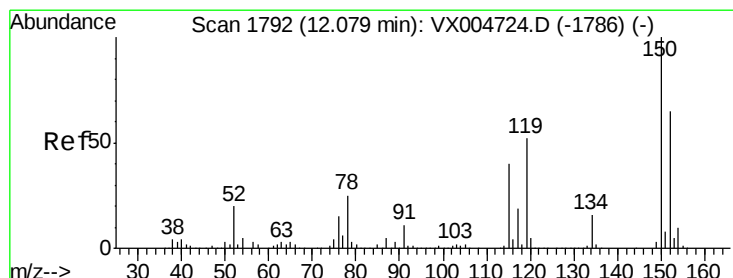
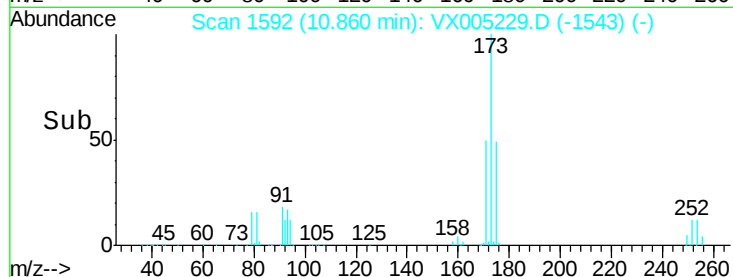
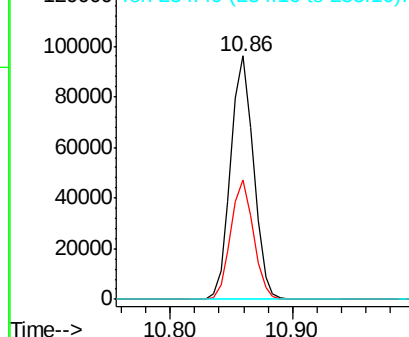
254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



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: VX005229.D

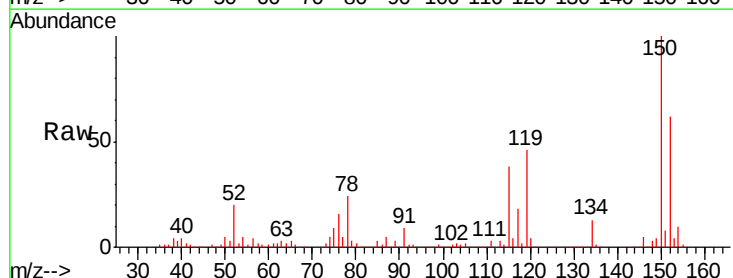
Acq: 11 Oct 2018 02:43

Tgt Ion:152 Resp: 172781
Ion Ratio Lower Upper

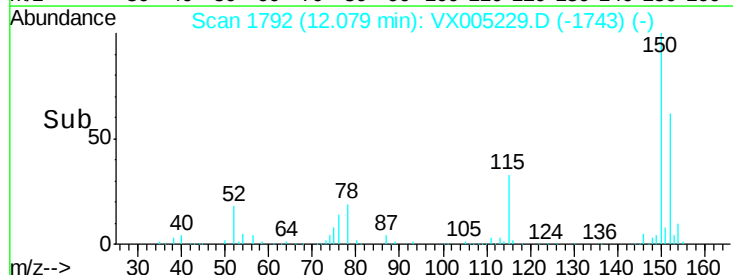
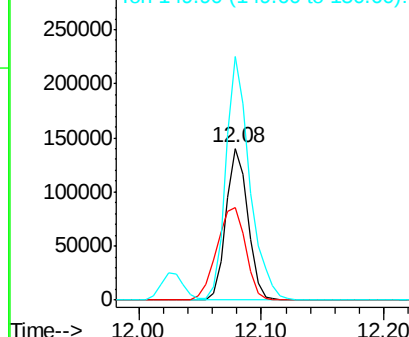
152 100

115 81.6 40.2 120.6

150 175.5 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: 59.15 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 644144

Ion Ratio Lower Upper

105 100

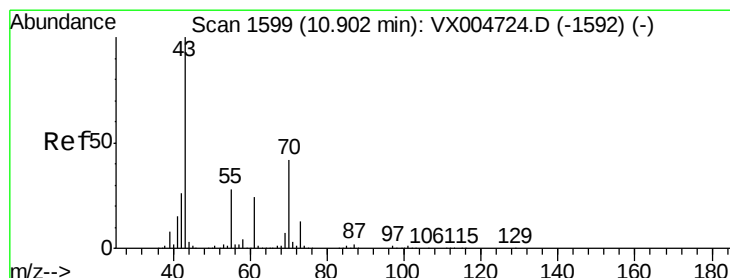
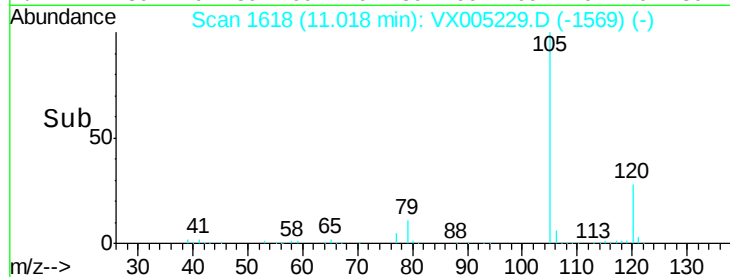
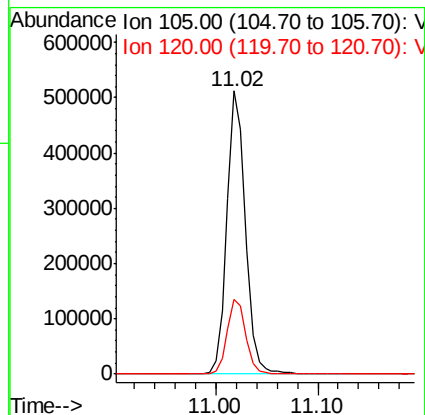
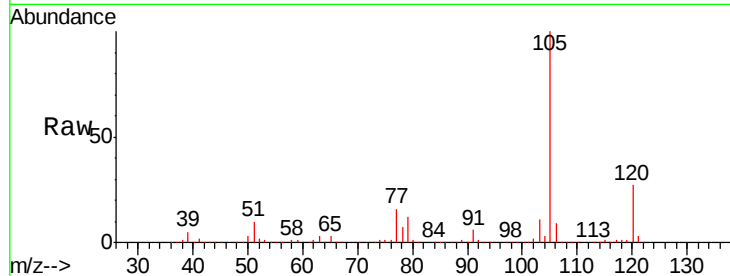
120 26.8 13.2 39.5

Manual Integrations

APPROVED

MMDadoda

10/12/2018 11:45:02 AM



#74

N-ethyl acetate

Concen: 51.33 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion: 43 Resp: 307572

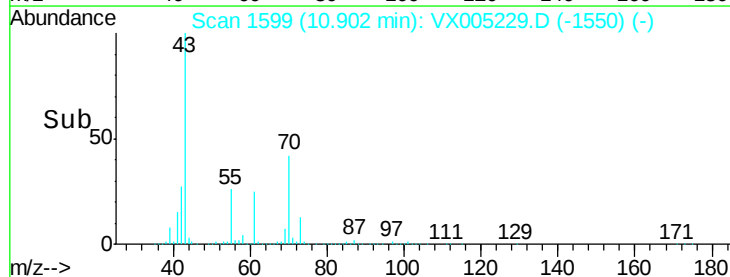
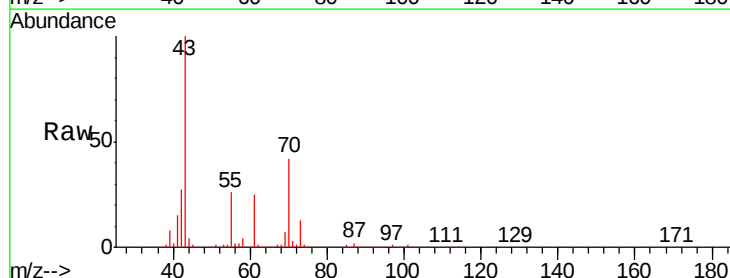
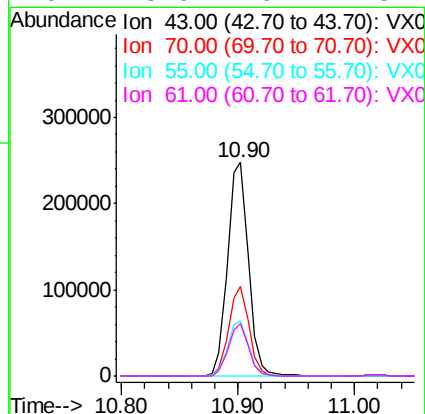
Ion Ratio Lower Upper

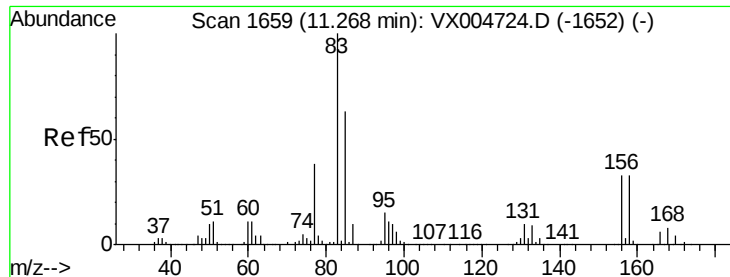
43 100

70 41.0 32.6 48.8

55 25.9 21.6 32.4

61 23.9 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.27 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 231702

Ion Ratio Lower Upper

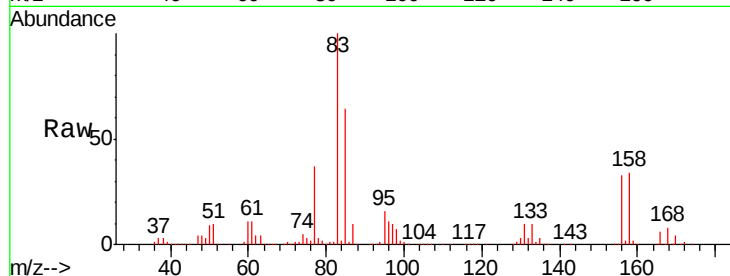
83 100

131 10.3 5.1 15.3

85 63.9 31.9 95.9

Manual Integrations
APPROVED

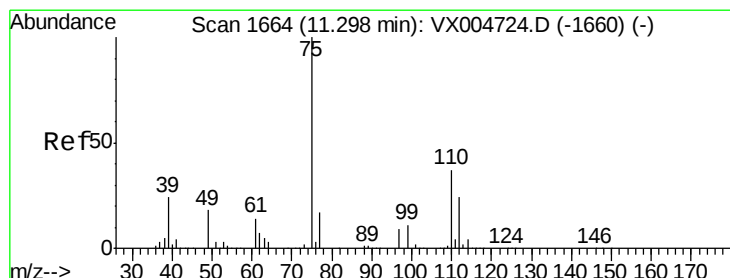
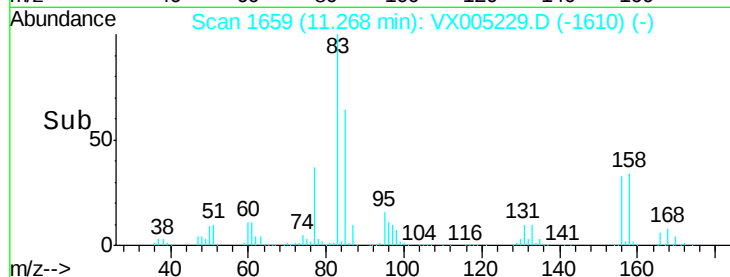
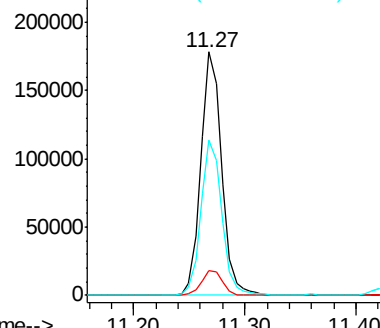
MMDadoda
10/12/2018 11:45:02 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 53.78 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005229.D

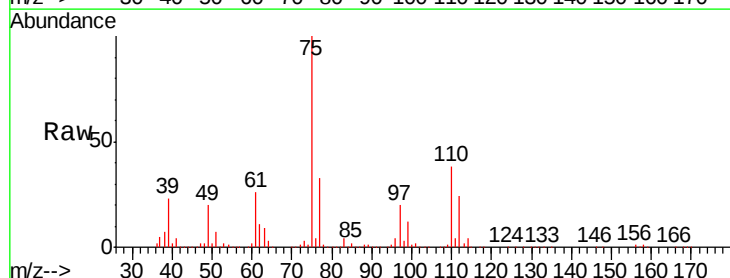
Acq: 11 Oct 2018 02:43

Tgt Ion: 75 Resp: 208281

Ion Ratio Lower Upper

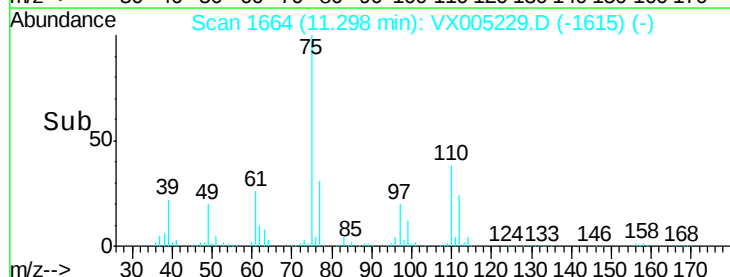
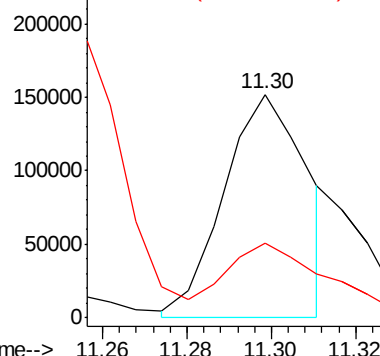
75 100

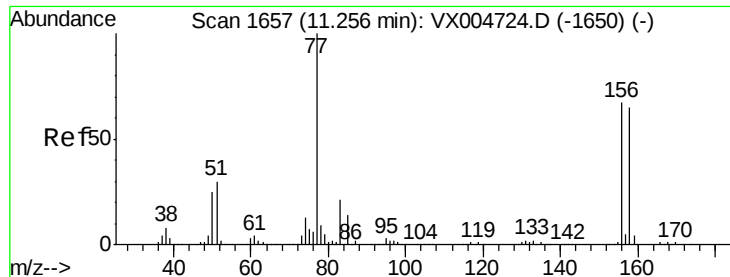
77 41.3 21.4 64.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 55.05 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

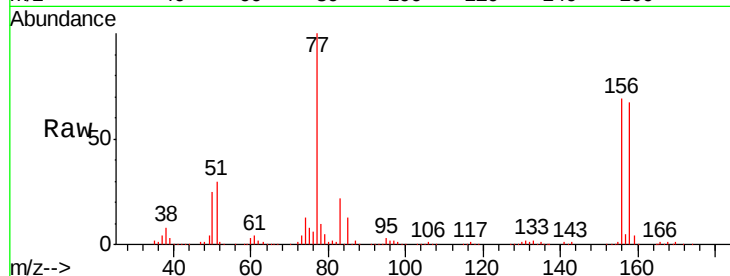
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	174146
Ion Ratio	Lower	Upper	
156	100		
77	144.3	73.4	220.2
158	98.9	49.1	147.4

Manual Integrations
APPROVED

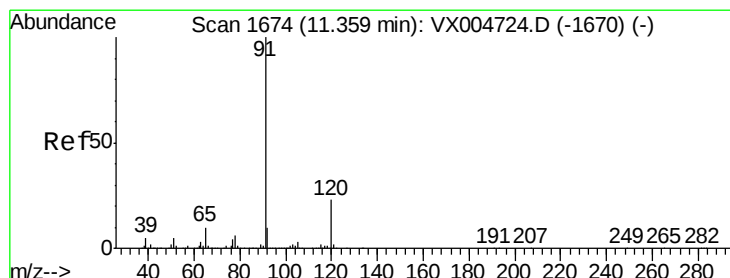
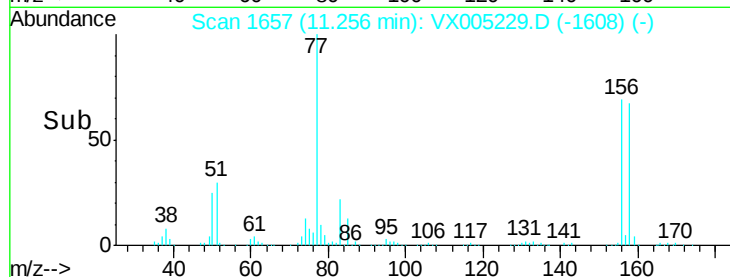
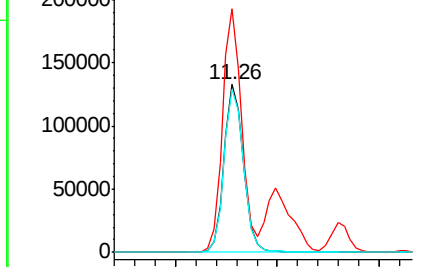
MMDadoda
10/12/2018 11:45:02 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 59.16 ug/l

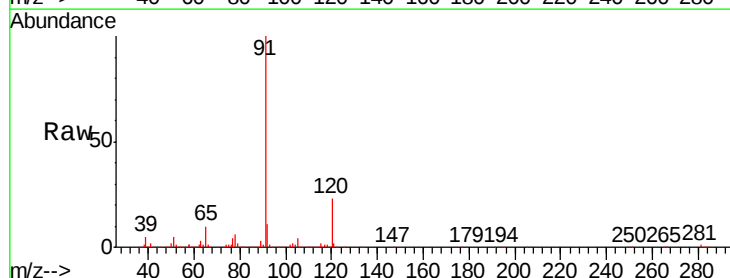
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005229.D

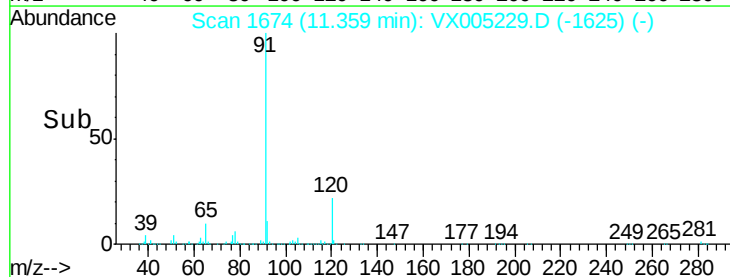
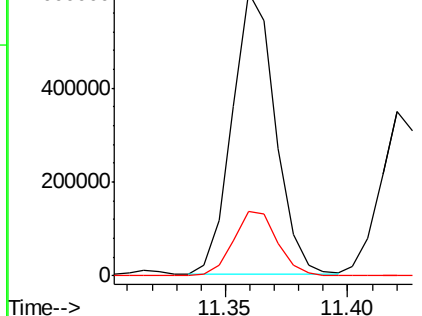
Acq: 11 Oct 2018 02:43

Tgt Ion:	91	Resp:	739235
Ion Ratio	Lower	Upper	
91	100		
120	23.4	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.58 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 440657

Ion Ratio Lower Upper

91 100

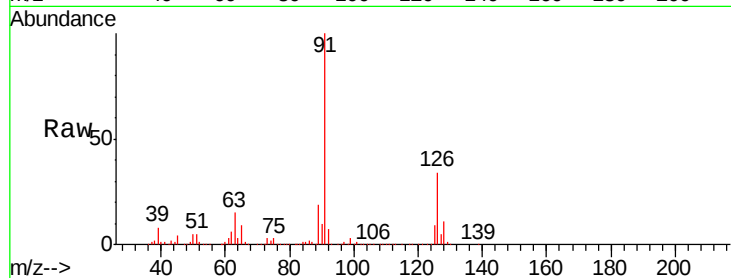
126 35.5 17.6 52.9

Manual Integrations

APPROVED

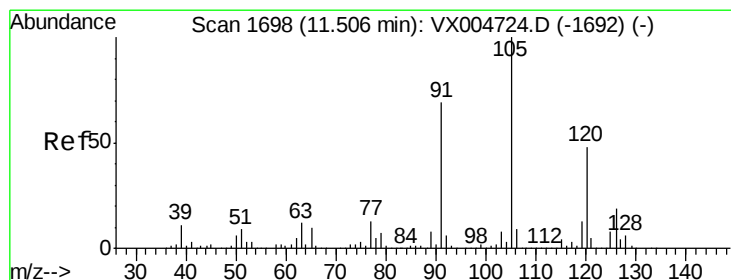
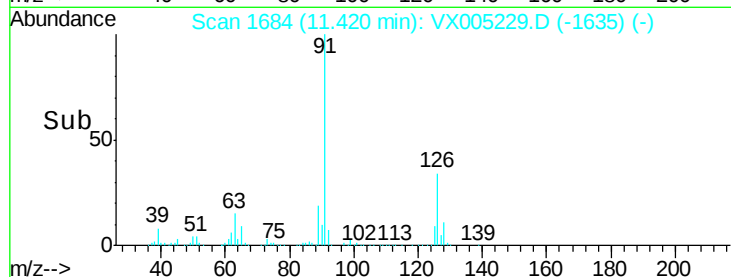
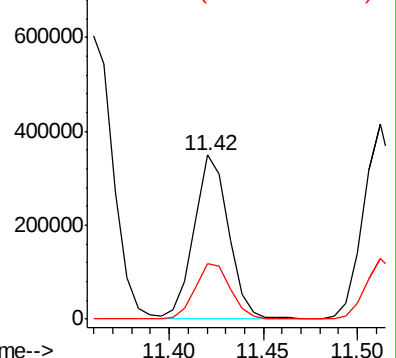
MMDadoda

10/12/2018 11:45:02 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.45 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005229.D

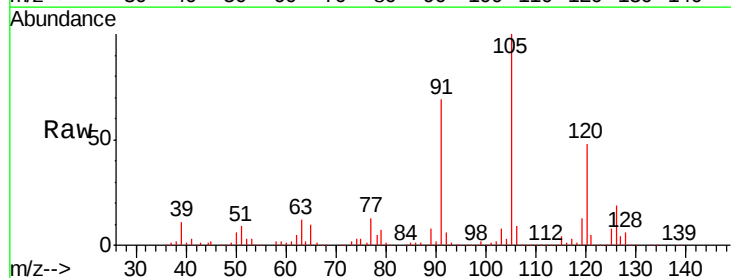
Acq: 11 Oct 2018 02:43

Tgt Ion: 105 Resp: 553288

Ion Ratio Lower Upper

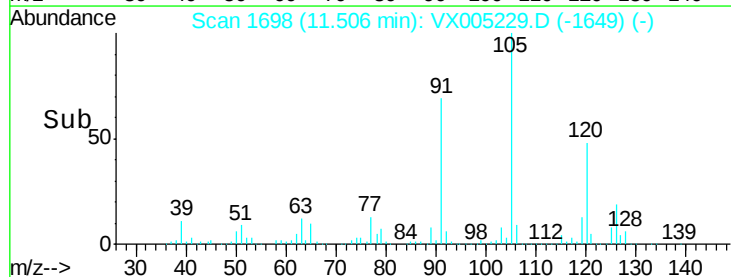
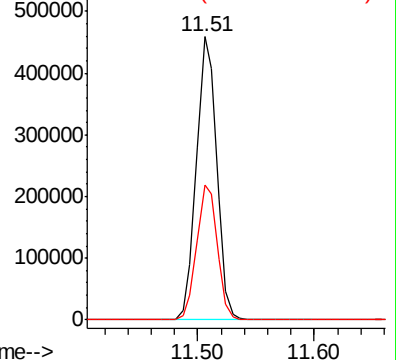
105 100

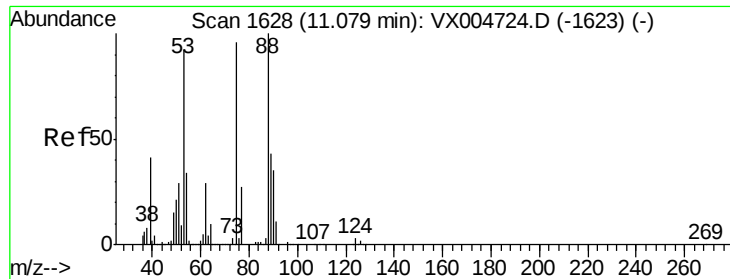
120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 41.95 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

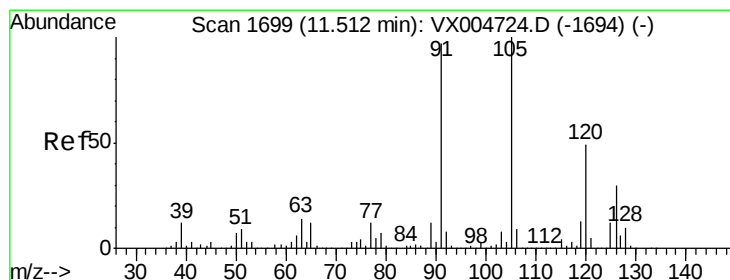
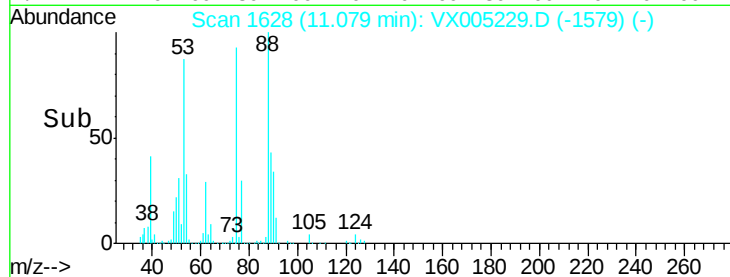
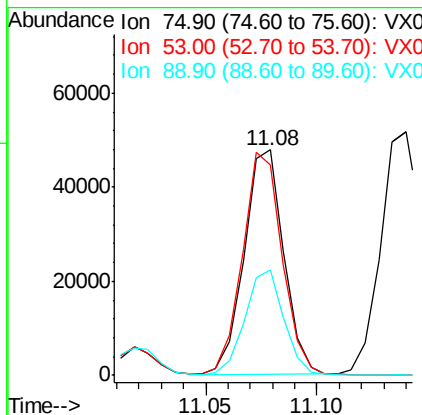
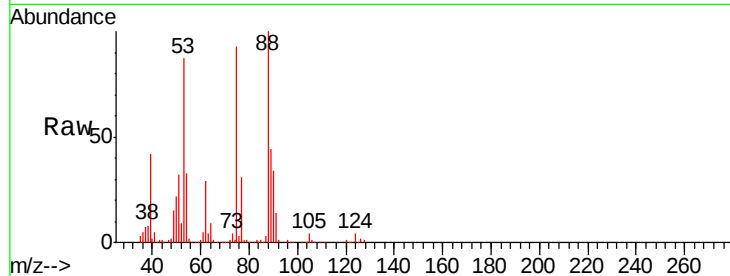
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	59096
Ion	Ratio	Lower	Upper
75	100		
53	100.0	80.2	120.4
89	46.5	37.1	55.7

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



#82

4-Chlorotoluene

Concen: 57.56 ug/l

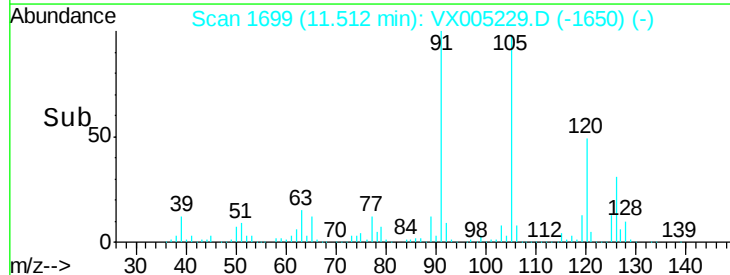
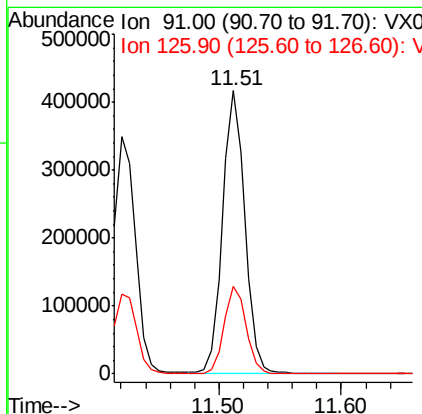
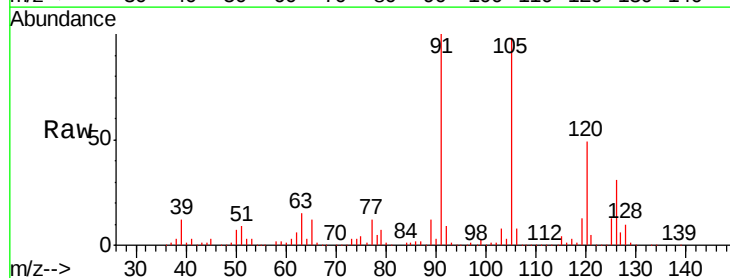
RT: 11.51 min Scan# 1699

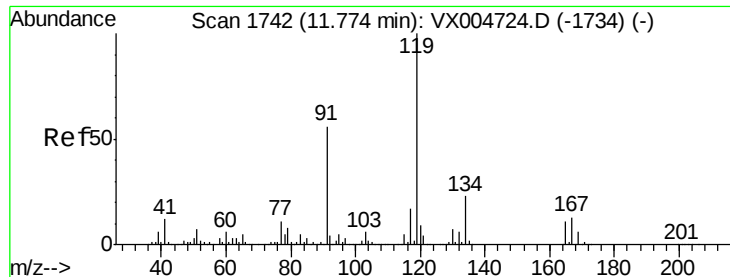
Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion:	91	Resp:	527653
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.5	46.5





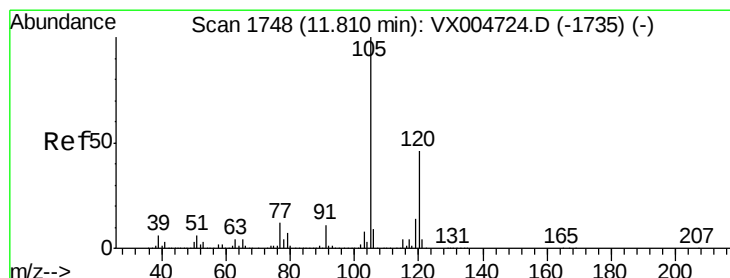
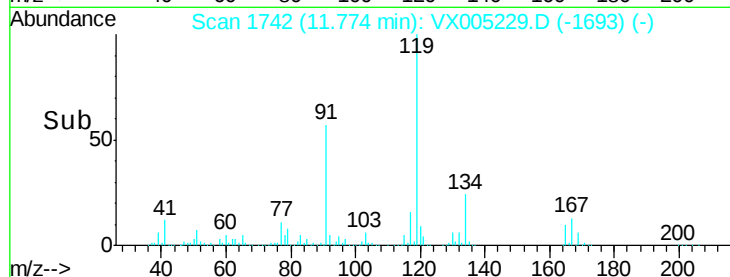
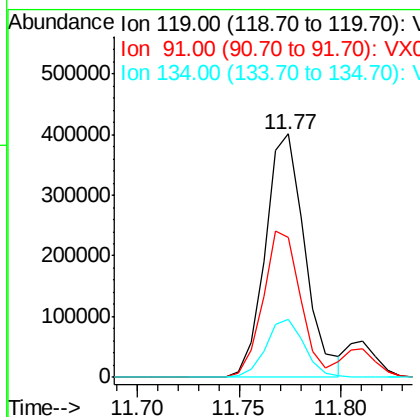
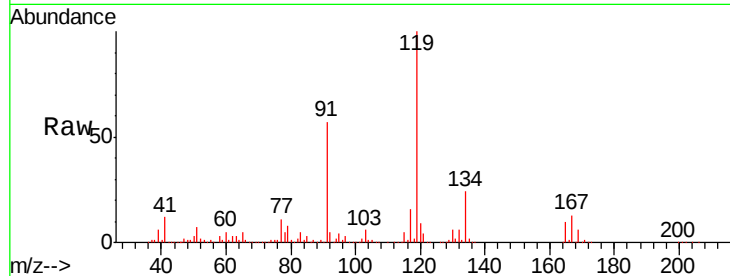
#83
 tert-Butylbenzene
 Concen: 60.56 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	56.8	27.5	82.5
134	22.9	11.5	34.4

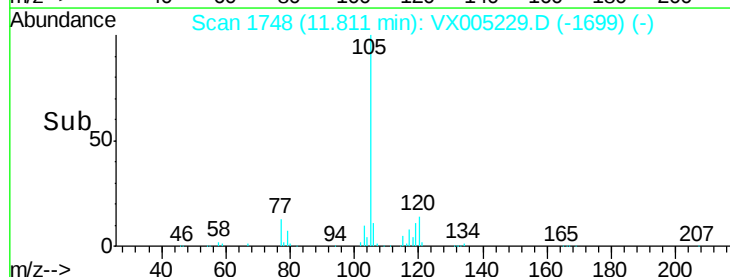
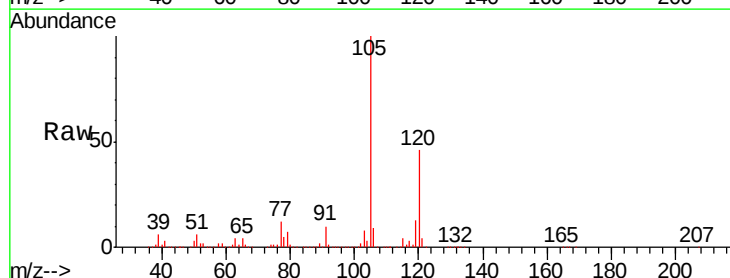
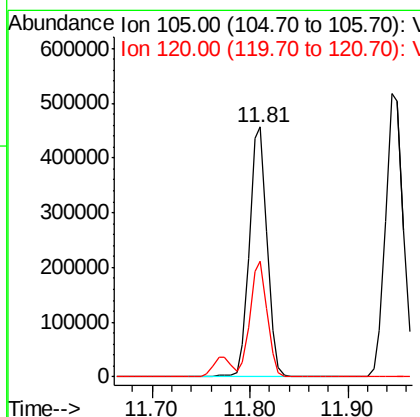
Manual Integrations
 APPROVED

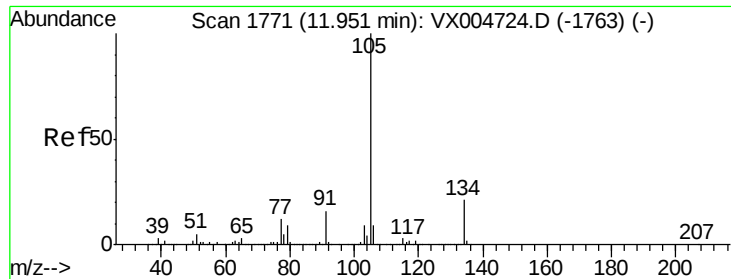
MMDadoda
 10/12/2018 11:45:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.60 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.8	68.3





#85

sec-Butylbenzene

Concen: 59.83 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 653442

Ion Ratio Lower Upper

105 100

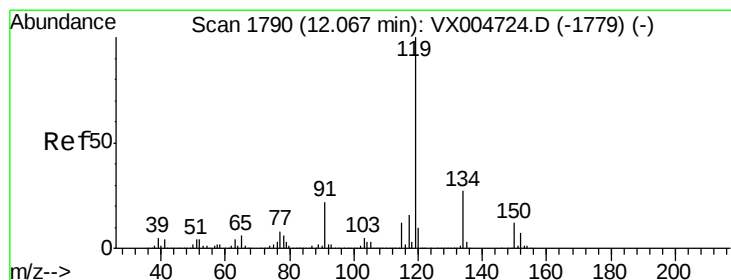
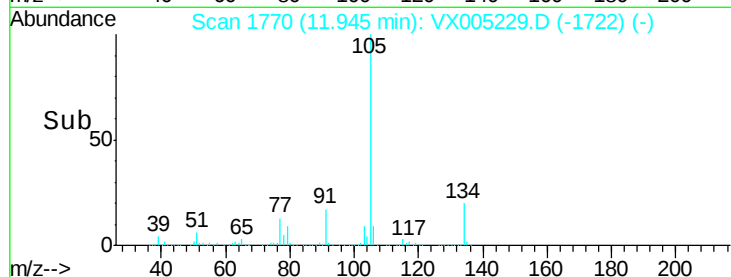
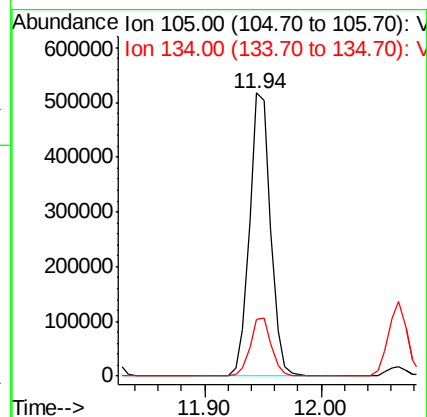
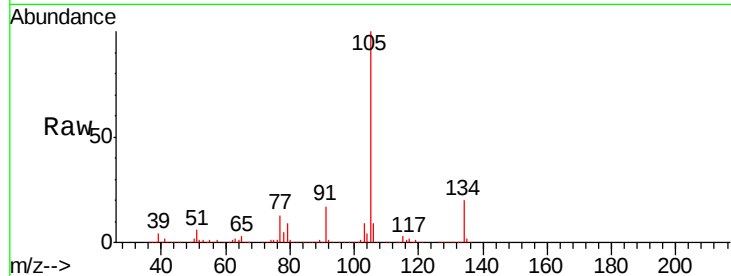
134 20.4 10.2 30.4

Manual Integrations

APPROVED

MMDadoda

10/12/2018 11:45:02 AM



#86

p-Isopropyltoluene

Concen: 59.94 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

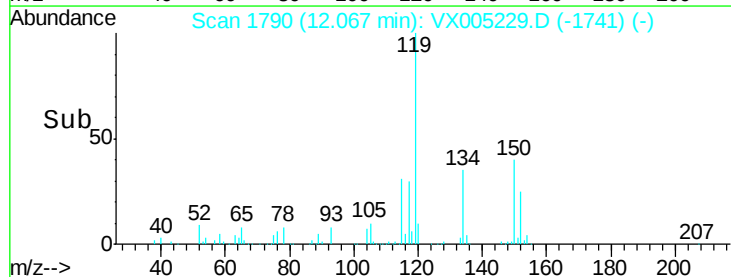
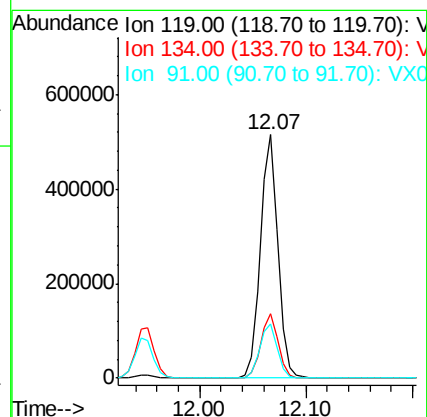
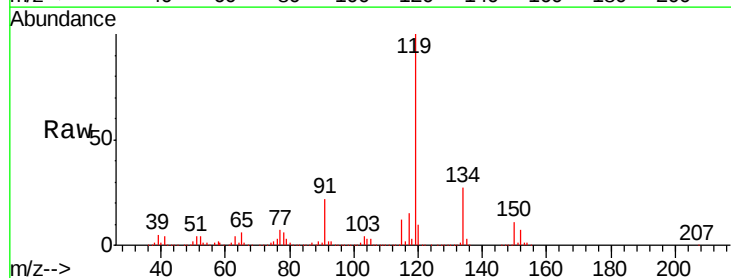
Tgt Ion:119 Resp: 593127

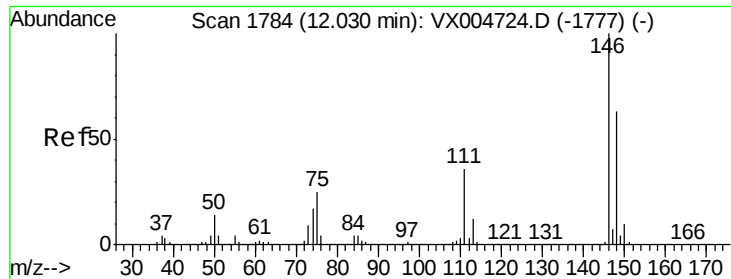
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 22.8 11.5 34.4





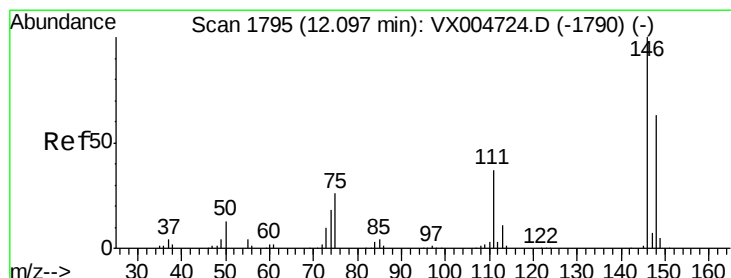
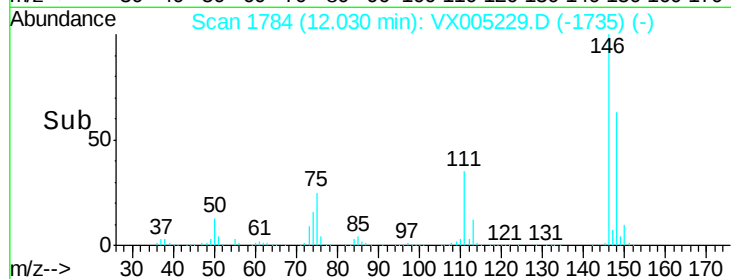
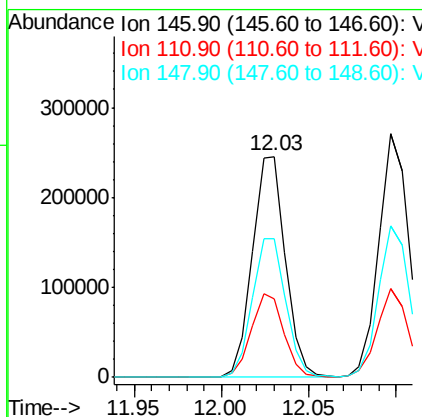
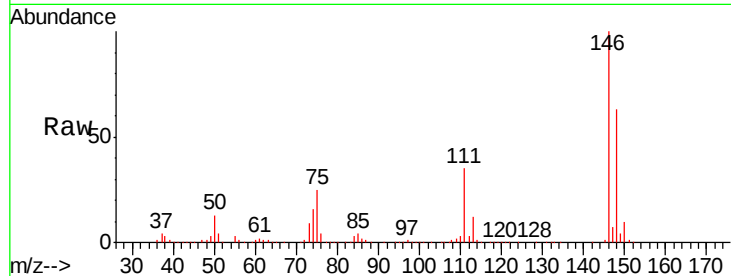
#87
 1,3-Dichlorobenzene
 Concen: 54.81 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.9
148	64.0	31.8	95.3

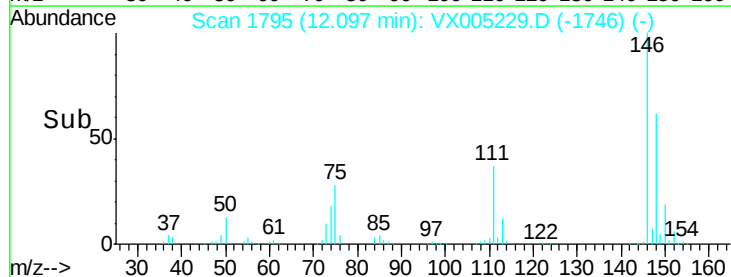
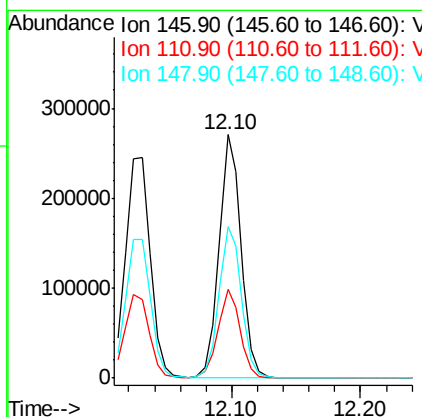
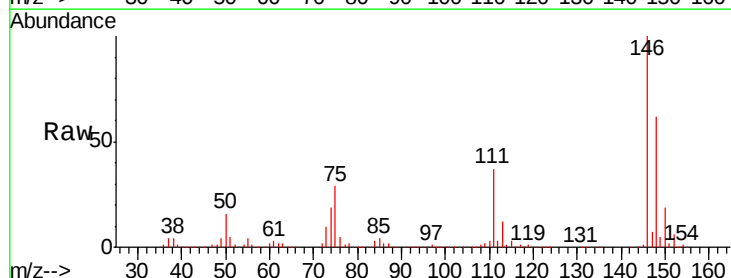
Manual Integrations
 APPROVED

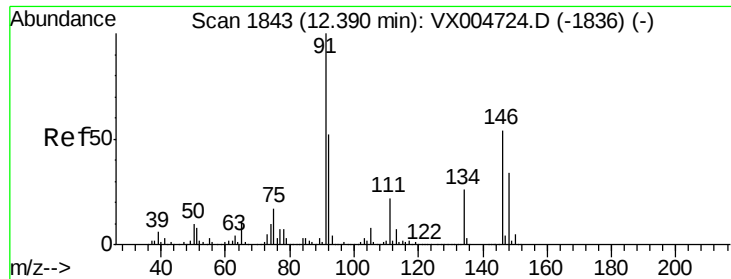
MMDadoda
 10/12/2018 11:45:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.56 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.2
148	63.6	32.0	96.0





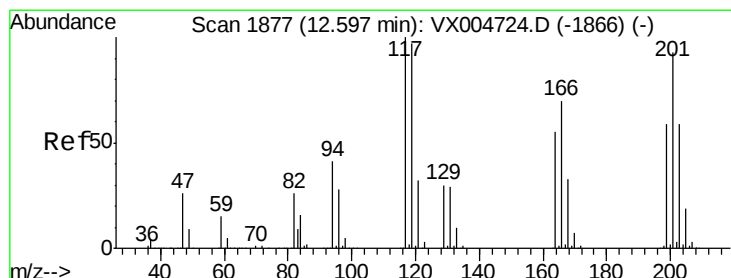
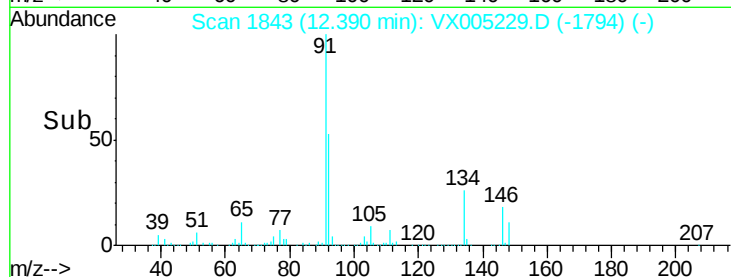
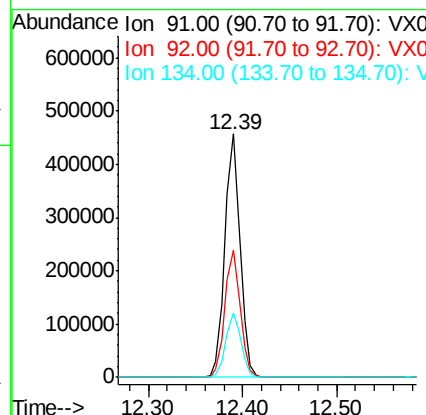
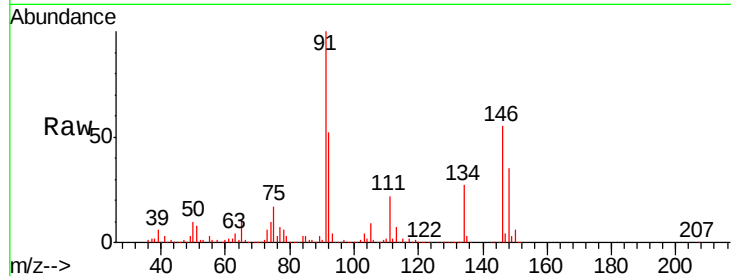
#89
n-Butylbenzene
Concen: 57.40 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 515874
Ion Ratio Lower Upper
91 100
92 52.6 26.0 78.0
134 26.6 13.2 39.6

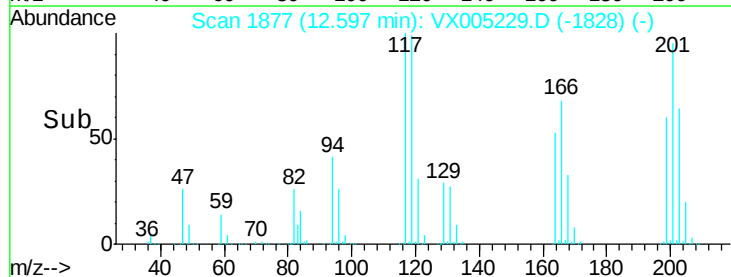
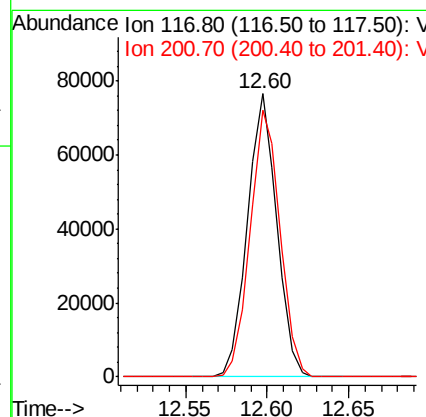
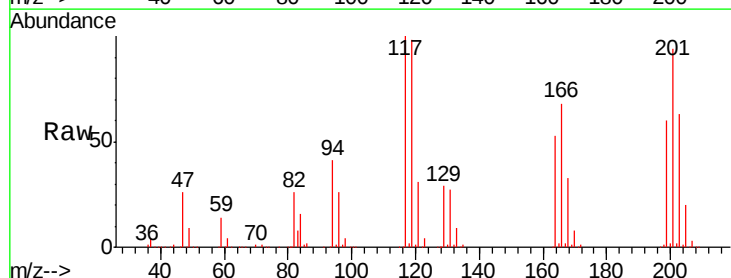
Manual Integrations
APPROVED

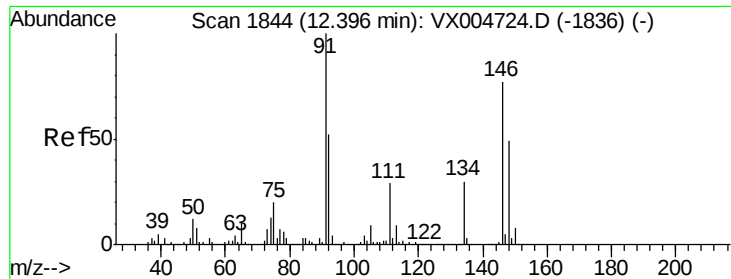
MMDadoda
10/12/2018 11:45:02 AM



#90
Hexachloroethane
Concen: 58.35 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 117 Resp: 96129
Ion Ratio Lower Upper
117 100
201 95.9 48.4 145.0





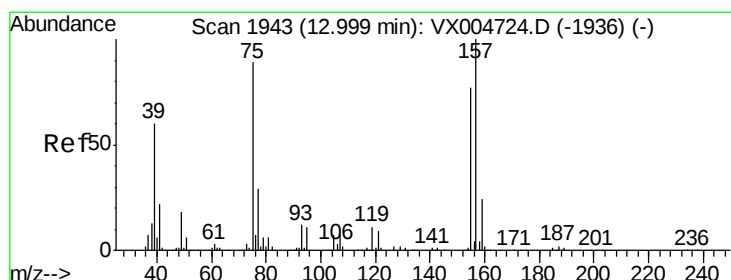
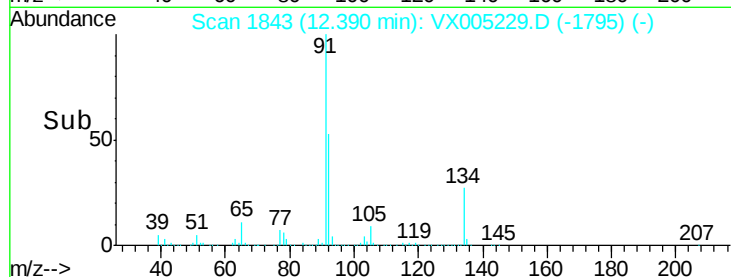
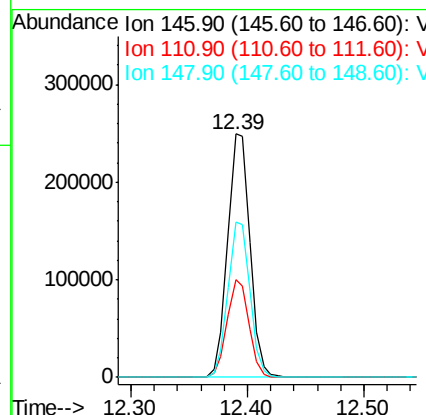
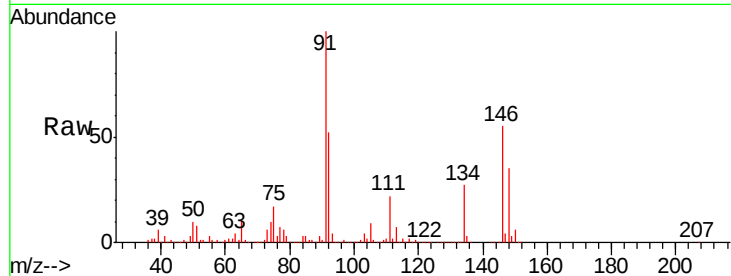
#91
1,2-Dichlorobenzene
Concen: 53.46 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	63.2	31.8	95.4

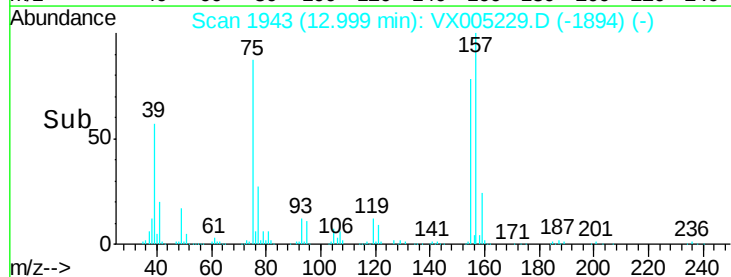
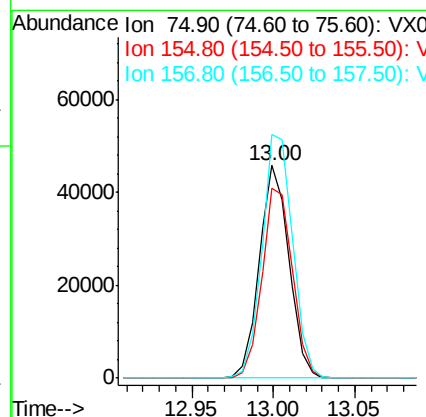
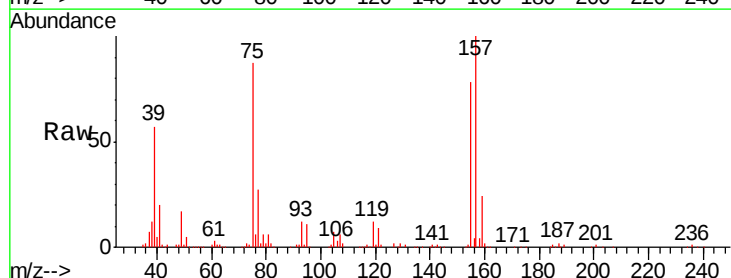
Manual Integrations
APPROVED

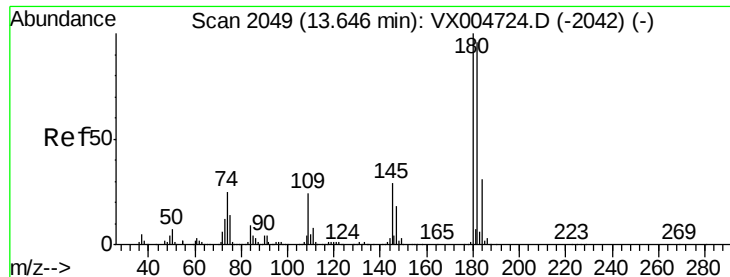
MMDadoda
10/12/2018 11:45:02 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 59.47 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	46.1	138.3
157	118.2	60.2	180.6





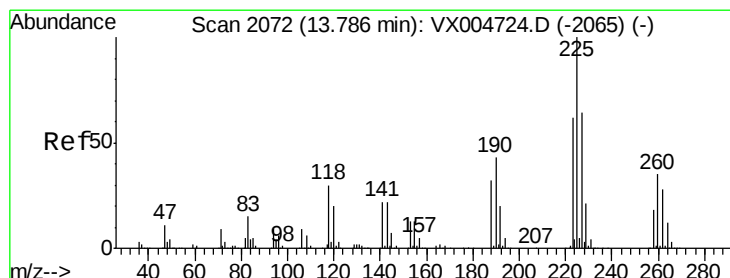
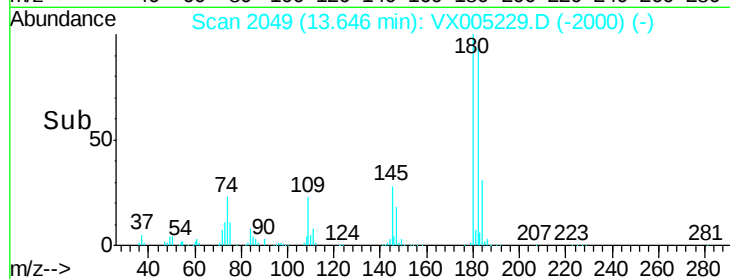
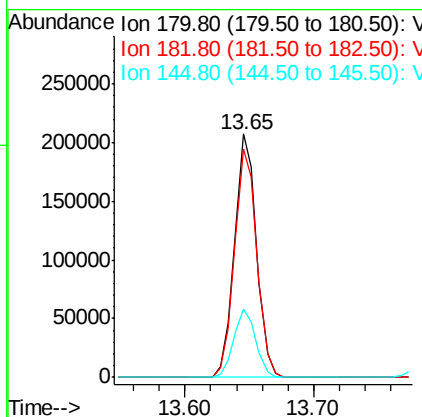
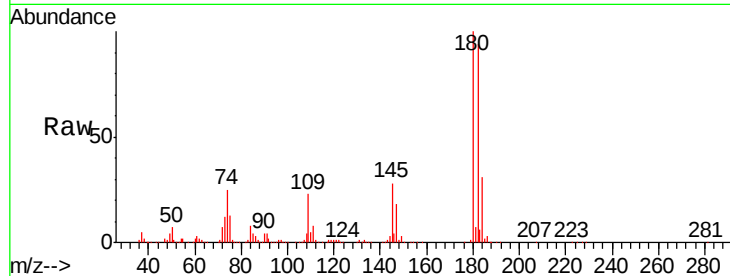
#93
 1,2,4-Trichlorobenzene
 Concen: 57.00 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	246810		
182	95.4	47.8	143.4	
145	27.9	14.1	42.4	

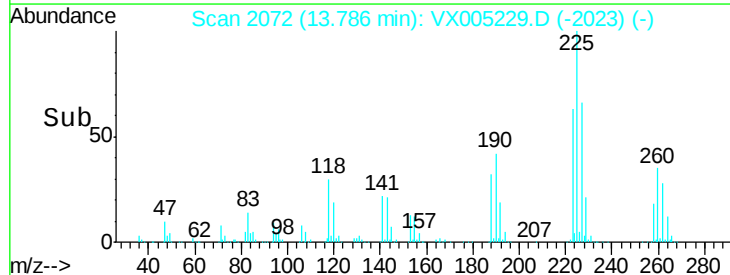
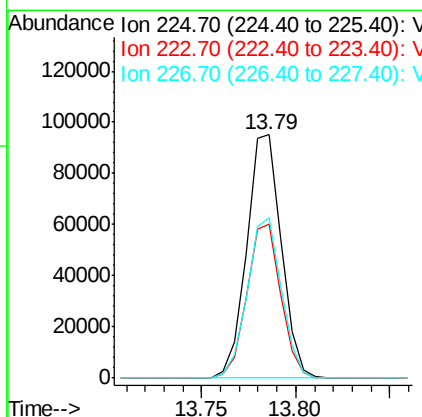
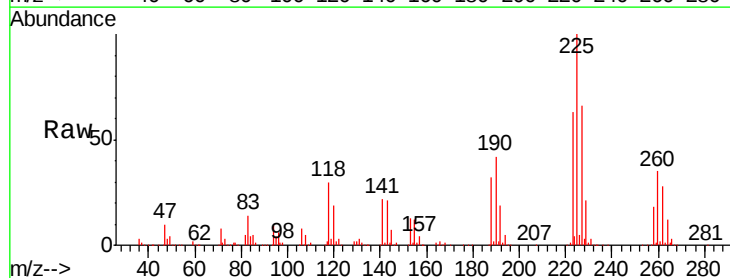
Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 11:45:02 AM



#94
 Hexachlorobutadiene
 Concen: 53.85 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120918		
223	62.0	31.3	93.8	
227	64.8	31.9	95.5	





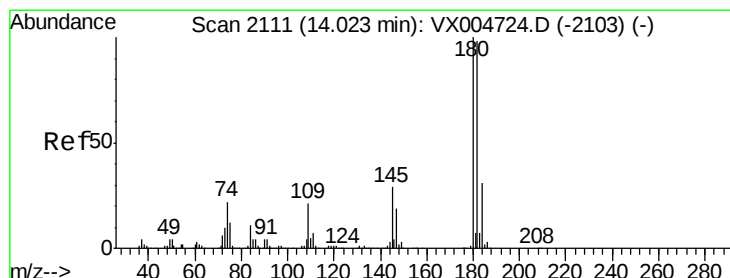
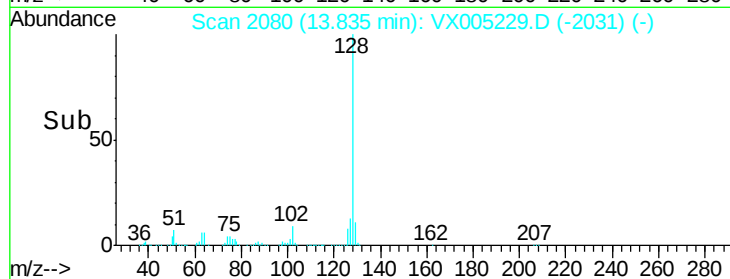
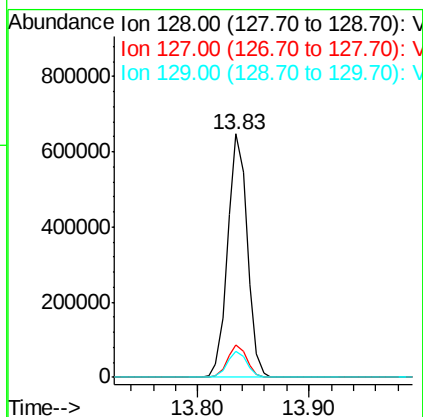
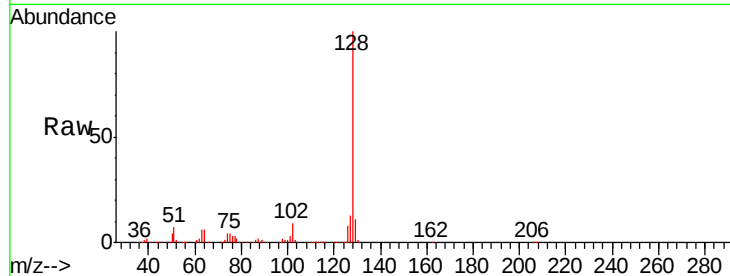
#95
Naphthalene
Concen: 54.69 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	786927		
127	13.1	10.4	15.6	
129	10.8	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:45:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 57.32 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	256405		
182	96.9	47.9	143.8	
145	29.7	15.0	45.0	

