

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX100818\
 Data File : VX005136.D
 Acq On : 08 Oct 2018 19:09
 Operator : JC/MD
 Sample : J5284-04MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-125D2-2018001MSD

Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:51 PM

Quant Time: Oct 09 07:25:57 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	200317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	296204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178844	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	148157	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	5.50	113	119030	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
50) Toluene-d8	8.71	98	441608	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	11.14	95	166703	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	136842	50.10	ug/l	96
3) Chloromethane	1.32	50	146456	44.20	ug/l	97
4) Vinyl Chloride	1.40	62	152244	48.99	ug/l	100
5) Bromomethane	1.64	94	109979	59.68	ug/l	97
6) Chloroethane	1.71	64	95965	56.98	ug/l	95
7) Trichlorofluoromethane	1.92	101	202342	52.59	ug/l	93
8) Diethyl Ether	2.19	74	84404	50.50	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	134996	61.59	ug/l	99
10) Methyl Iodide	2.51	142	105492	35.97	ug/l	91
11) Tert butyl alcohol	3.08	59	219496	274.33	ug/l	98
12) 1,1-Dichloroethene	2.37	96	120117	55.34	ug/l	96
13) Acrolein	2.29	56	40142	70.51	ug/l	88
14) Allyl chloride	2.72	41	243996	51.52	ug/l	96
15) Acrylonitrile	3.15	53	472077	268.02	ug/l	95
16) Acetone	2.45	43	423923	253.75	ug/l	94
17) Carbon Disulfide	2.56	76	282453	43.31	ug/l	99
18) Methyl Acetate	2.78	43	243071	57.43	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	418244	55.86	ug/l	96
20) Methylene Chloride	2.85	84	127550	52.55	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	116129	48.88	ug/l	84
22) Diisopropyl ether	3.87	45	419426	52.59	ug/l	96
23) Vinyl Acetate	3.82	43	1592116	218.11	ug/l	99
24) 1,1-Dichloroethane	3.69	63	235831	49.58	ug/l	99
25) 2-Butanone	4.71	43	621060	252.20	ug/l	98
26) 2,2-Dichloropropane	4.58	77	133497	40.30	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	140067	52.77	ug/l	97
28) Bromochloromethane	5.02	49	111491	49.77	ug/l	98
29) Tetrahydrofuran	5.16	42	404870	264.52	ug/l	98
30) Chloroform	5.21	83	221805	49.34	ug/l	98
31) Cyclohexane	5.57	56	184802	50.76	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	190498	51.88	ug/l	95
36) 1,1-Dichloropropene	5.80	75	157834	46.08	ug/l	94
37) Ethyl Acetate	4.86	43	193835	42.63	ug/l	98
38) Carbon Tetrachloride	5.78	117	165794	46.05	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX100818\
 Data File : VX005136.D
 Acq On : 08 Oct 2018 19:09
 Operator : JC/MD
 Sample : J5284-04MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-125D2-2018001MSD

Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:51 PM

Quant Time: Oct 09 07:25:57 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	176515	50.47	ug/l #	85
40) Benzene	6.14	78	527805	49.22	ug/l #	88
41) Methacrylonitrile	5.06	41	123323	48.91	ug/l	98
42) 1,2-Dichloroethane	6.20	62	180681	47.67	ug/l	98
43) Isopropyl Acetate	6.46	43	303665	46.28	ug/l	96
44) Trichloroethene	7.21	130	581232	220.50	ug/l	97
45) 1,2-Dichloropropane	7.52	63	133746	50.86	ug/l	98
46) Dibromomethane	7.66	93	84934	51.39	ug/l	99
47) Bromodichloromethane	7.90	83	165968	53.64	ug/l	99
48) Methyl methacrylate	7.78	41	170233	57.15	ug/l	99
49) 1,4-Dioxane	7.76	88	81687	1103.94	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1177348	284.95	ug/l	99
52) Toluene	8.79	92	303018	51.43	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	179261	51.27	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	190149	51.92	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	131808	51.07	ug/l	96
56) Ethyl methacrylate	9.18	69	205966	49.23	ug/l	97
57) 1,3-Dichloropropane	9.37	76	219489	51.10	ug/l	97
59) 2-Hexanone	9.50	43	932614	270.86	ug/l	96
60) Dibromochloromethane	9.59	129	136806	53.00	ug/l	98
61) 1,2-Dibromoethane	9.68	107	133182	48.18	ug/l	95
64) Tetrachloroethene	9.34	164	127119	45.41	ug/l	95
65) Chlorobenzene	10.14	112	345221	47.34	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	129612	50.55	ug/l	99
67) Ethyl Benzene	10.25	91	587580	50.75	ug/l	95
68) m/p-Xylenes	10.36	106	458307	101.30	ug/l	95
69) o-Xylene	10.70	106	221780	53.37	ug/l	99
70) Styrene	10.71	104	373770	48.17	ug/l	99
71) Bromoform	10.86	173	113950	51.91	ug/l	97
73) Isopropylbenzene	11.02	105	604390	53.61	ug/l	100
74) N-amyl acetate	10.90	43	260410	42.31	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	219015	47.73	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	199609m	49.80	ug/l	
77) Bromobenzene	11.26	156	161259	49.25	ug/l	100
78) n-propylbenzene	11.36	91	693906	53.65	ug/l	99
79) 2-Chlorotoluene	11.42	91	414242	51.38	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	512877	49.64	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57863	39.79	ug/l	98
82) 4-Chlorotoluene	11.51	91	486921	51.31	ug/l	99
83) tert-Butylbenzene	11.77	119	519761	56.00	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	535300	50.24	ug/l	98
85) sec-Butylbenzene	11.94	105	615608	54.46	ug/l	100
86) p-Isopropyltoluene	12.07	119	551047	53.80	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	299912	49.05	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	305708	48.44	ug/l	100
89) n-Butylbenzene	12.39	91	482768	51.90	ug/l	99
90) Hexachloroethane	12.60	117	90841	53.27	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	307672	48.15	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52818	52.42	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	230493	51.43	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
Data File : VX005136.D
Acq On : 08 Oct 2018 19:09
Operator : JC/MD
Sample : J5284-04MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

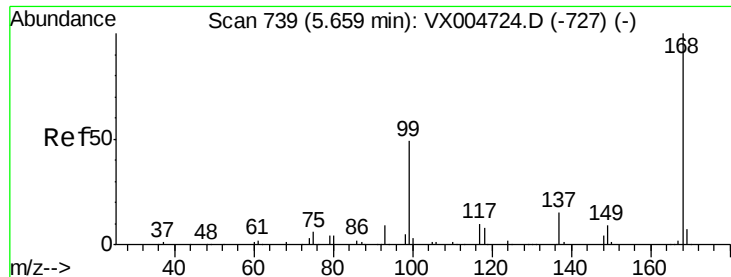
Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM

Quant Time: Oct 09 07:25:57 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)
94) Hexachlorobutadiene	13.78	225	112310	48.32	ug/l	100
95) Naphthalene	13.83	128	746401	50.17	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	238913	51.60	ug/l	100

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



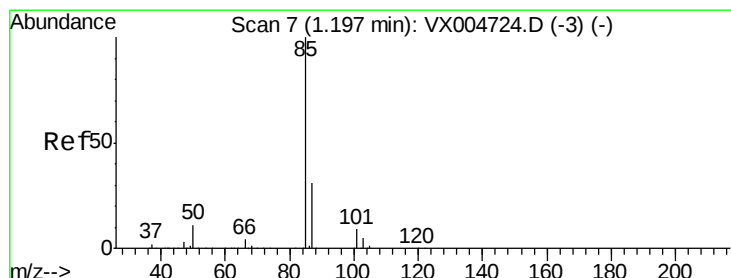
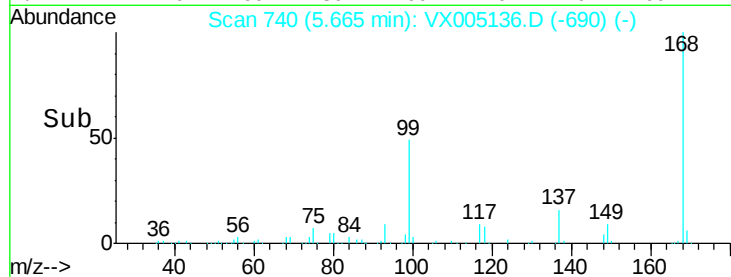
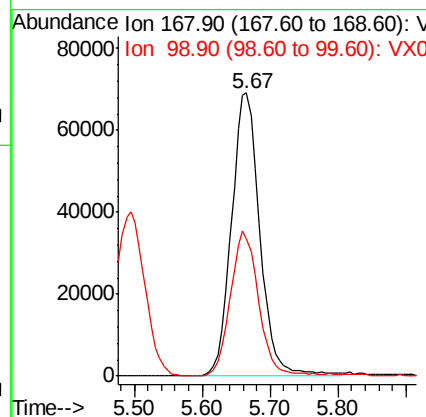
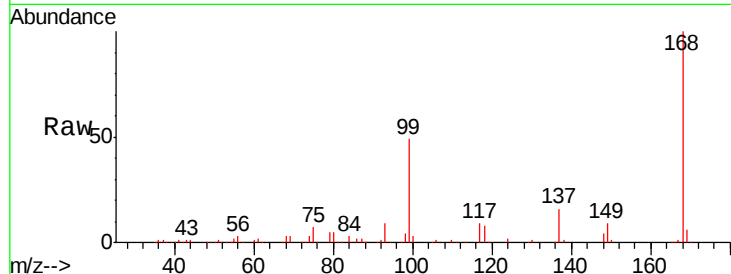
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	200317		
99	48.6	39.3	58.9	

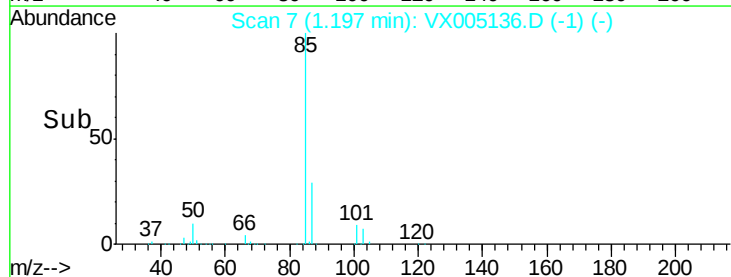
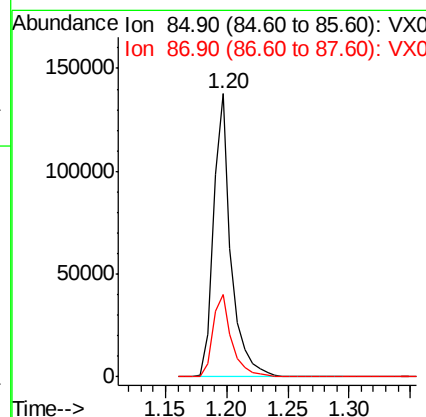
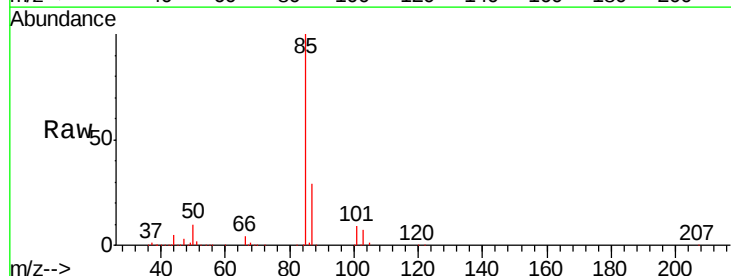
Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#2
Dichlorodifluoromethane
Concen: 50.10 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	136842		
87	29.2	15.7	47.1	





#3

Chloromethane

Concen: 44.20 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion: 50 Resp: 146456

Ion Ratio Lower Upper

50 100

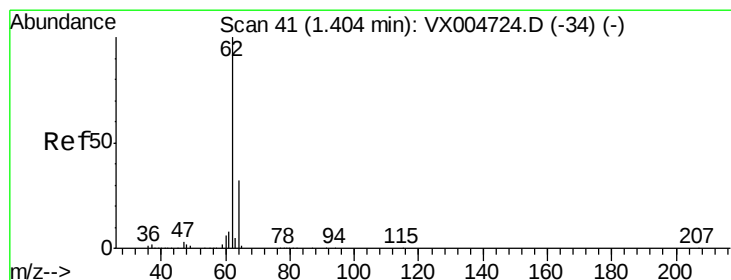
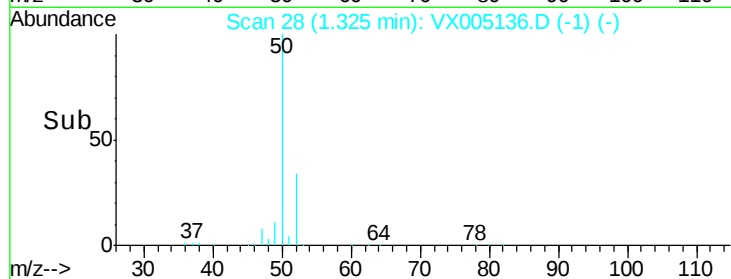
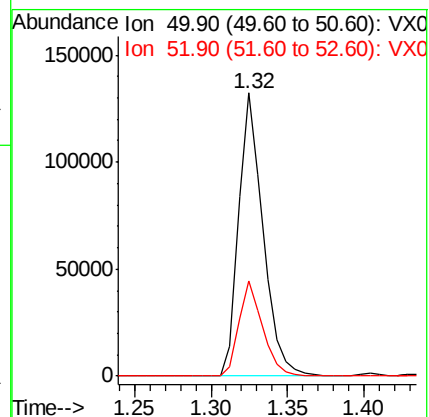
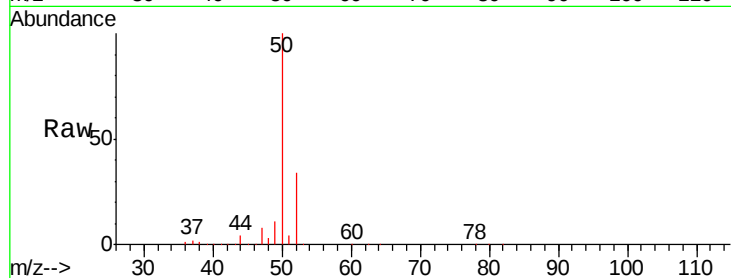
52 33.6 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/9/2018 1:47:51 PM



#4

Vinyl Chloride

Concen: 48.99 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005136.D

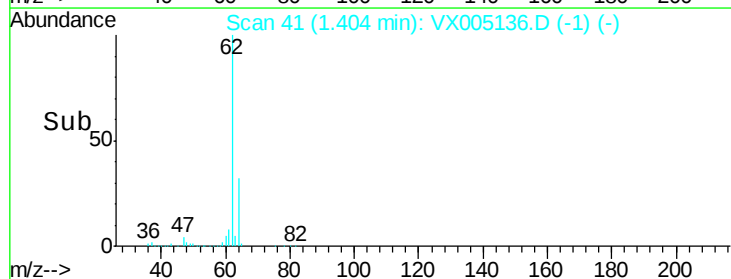
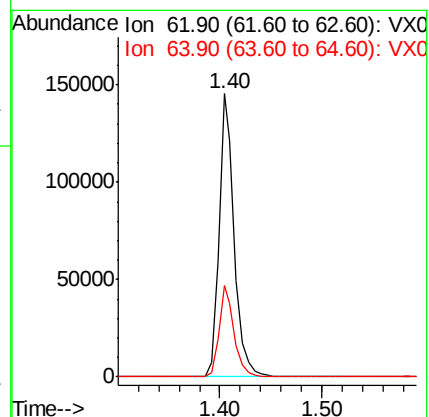
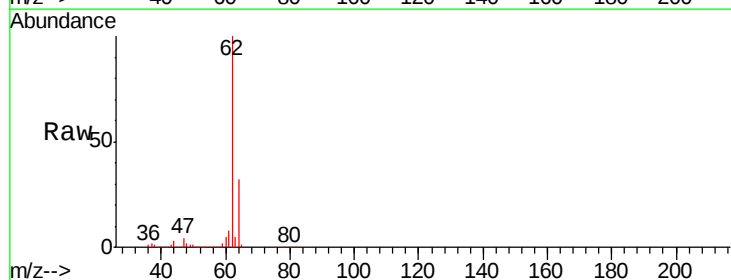
Acq: 08 Oct 2018 19:09

Tgt Ion: 62 Resp: 152244

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 59.68 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion: 94 Resp: 109979

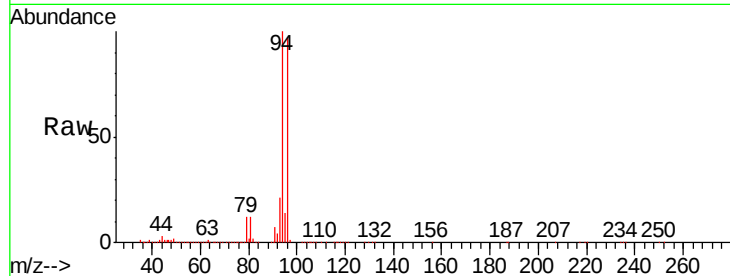
Ion Ratio Lower Upper

94 100

96 96.9 79.5 119.3

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

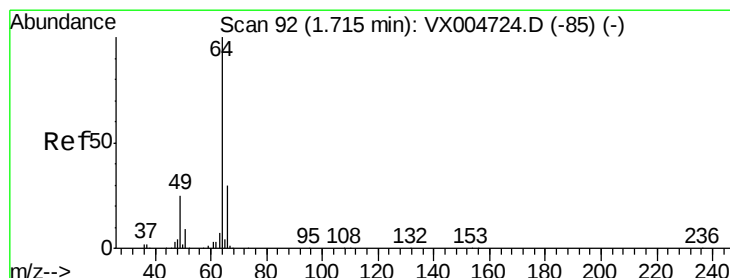
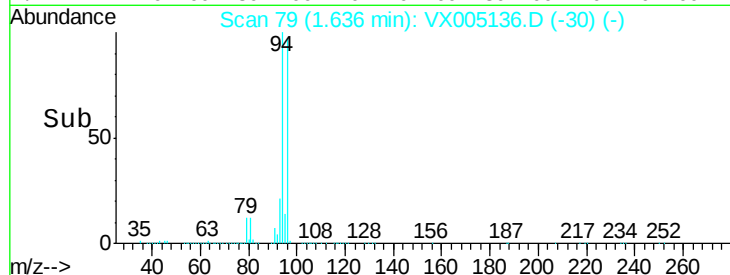
60000

40000

20000

0

Time--> 1.50 1.60 1.70



#6

Chloroethane

Concen: 56.98 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005136.D

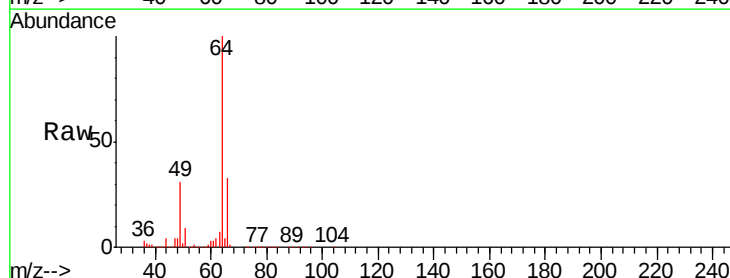
Acq: 08 Oct 2018 19:09

Tgt Ion: 64 Resp: 95965

Ion Ratio Lower Upper

64 100

66 32.5 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

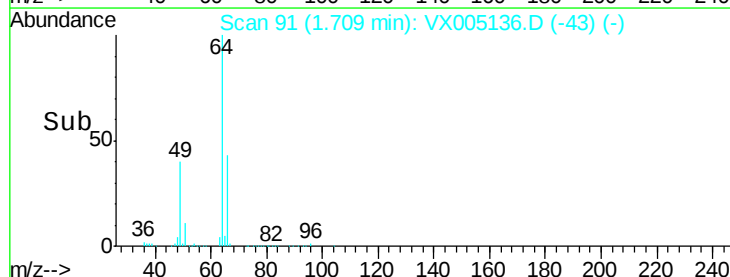
60000

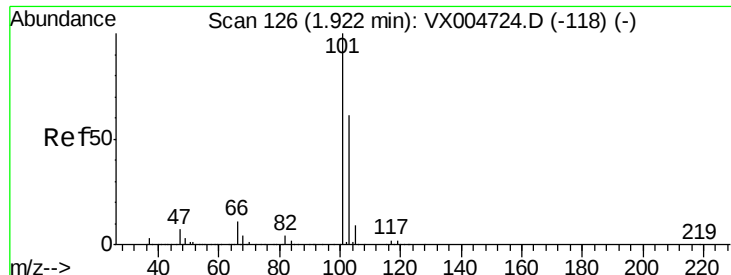
40000

20000

0

Time--> 1.50 1.60 1.70 1.80





#7

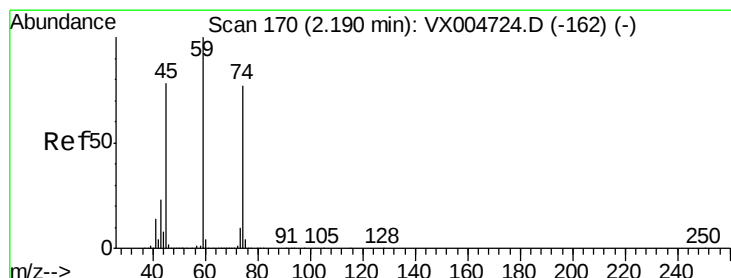
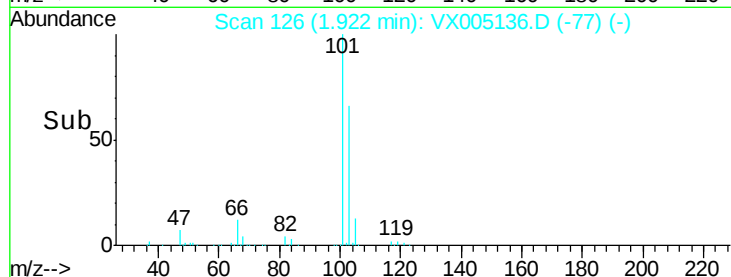
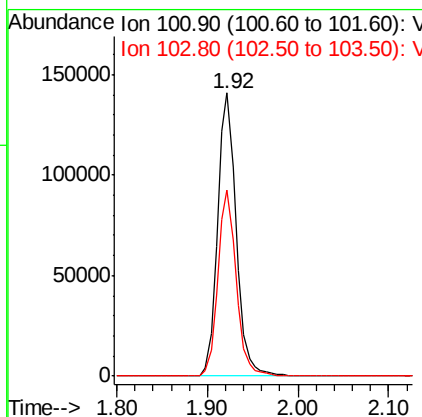
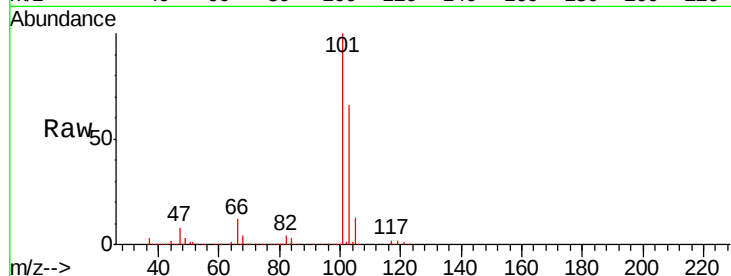
Trichlorofluoromethane
 Concen: 52.59 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-125D2-2018001MSD

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.8	48.4	72.6

Manual Integrations
 APPROVED

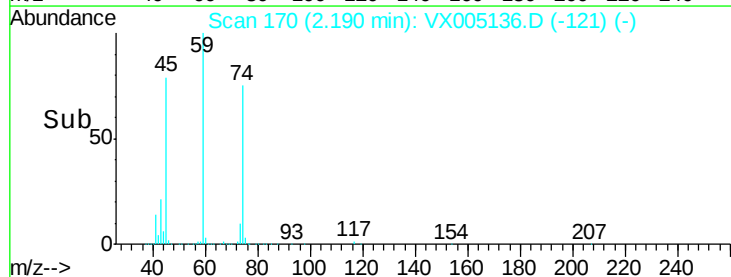
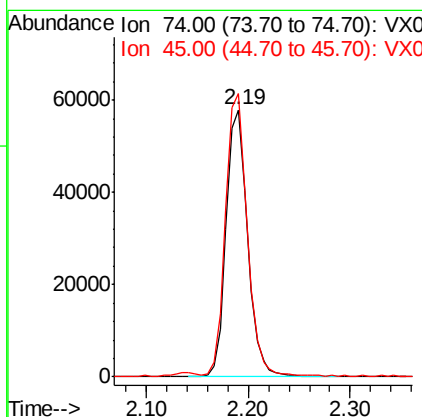
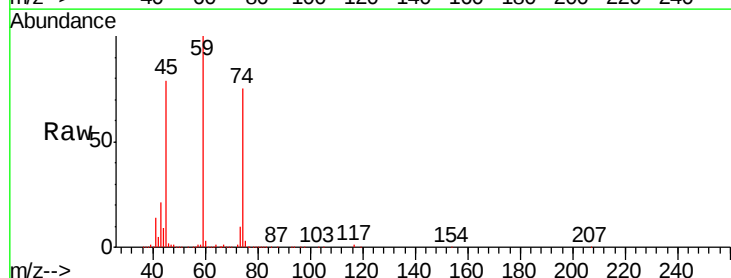
MMDadoda
 10/9/2018 1:47:51 PM



#8

Diethyl Ether
 Concen: 50.50 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.7	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 61.59 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

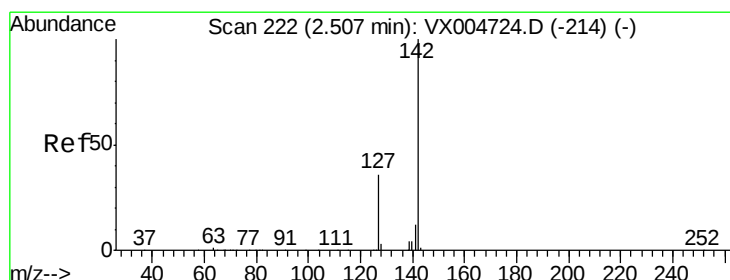
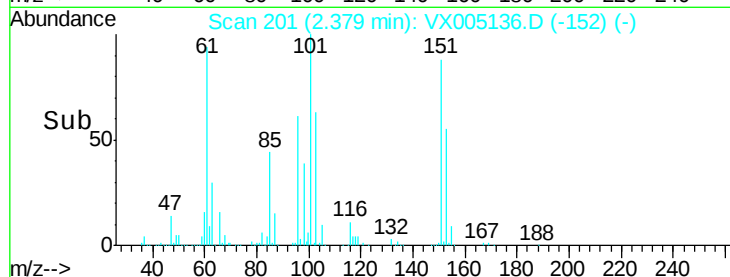
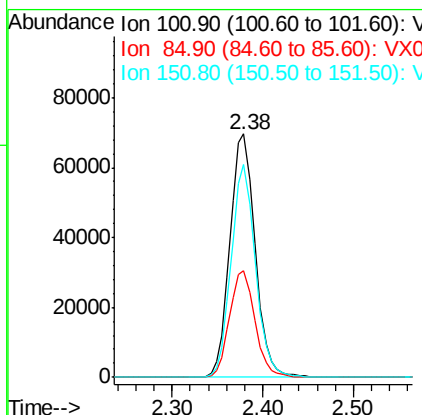
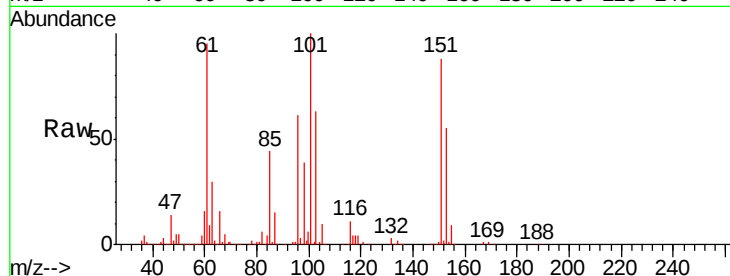
ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion:	101	Resp:	134996
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.9	53.9
151	84.4	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#10

Methyl Iodide

Concen: 35.97 ug/l

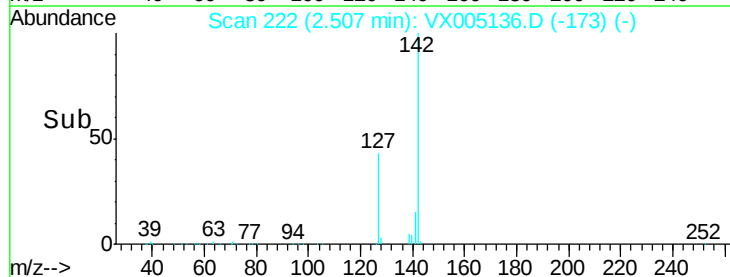
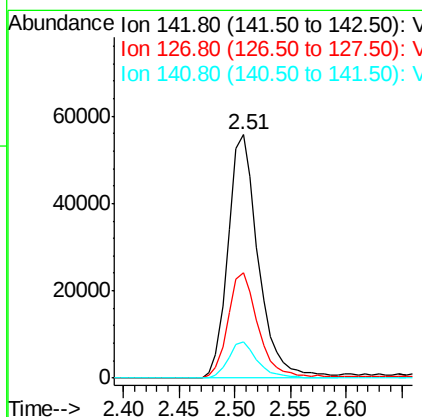
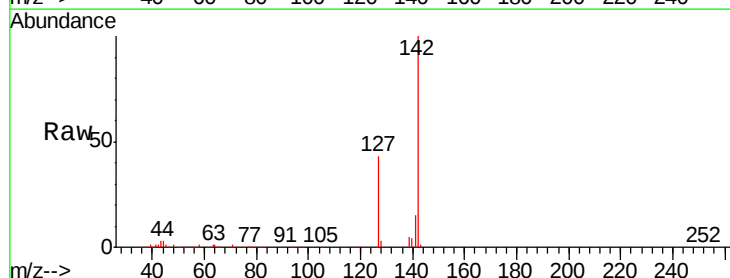
RT: 2.51 min Scan# 222

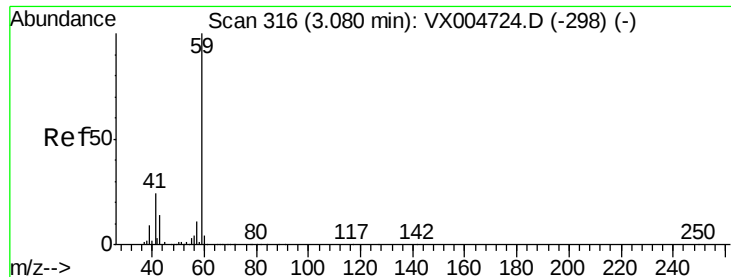
Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion:	142	Resp:	105492
Ion Ratio	Lower	Upper	
142	100		
127	43.8	30.1	45.1
141	14.5	10.1	15.1





#11

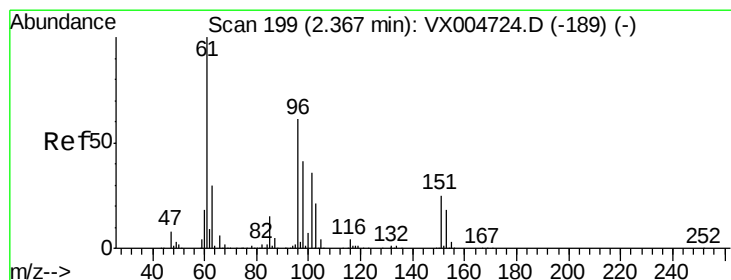
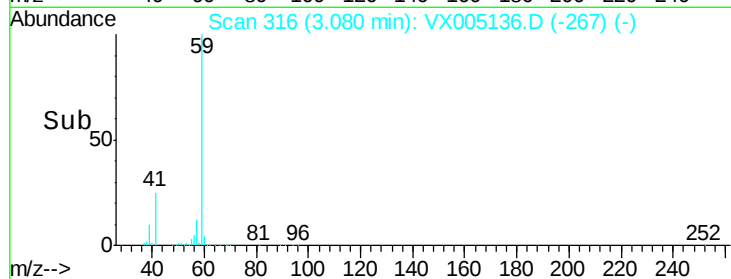
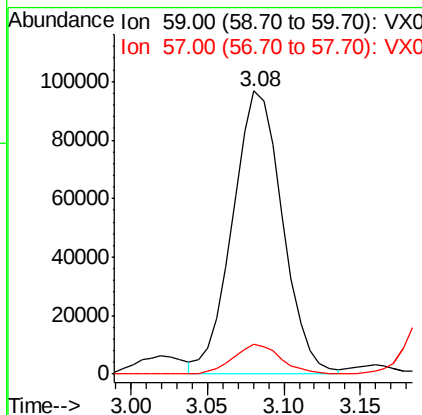
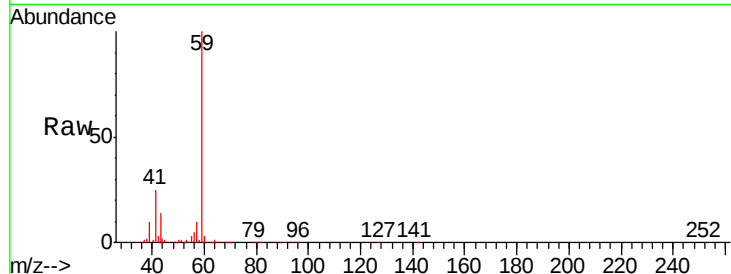
Tert butyl alcohol
Concen: 274.33 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	219496		
57	9.9		8.6	12.8

Manual Integrations
APPROVED

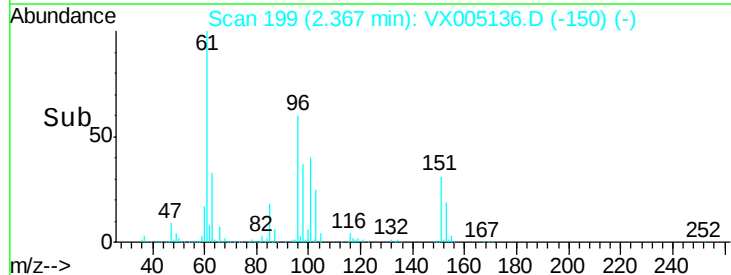
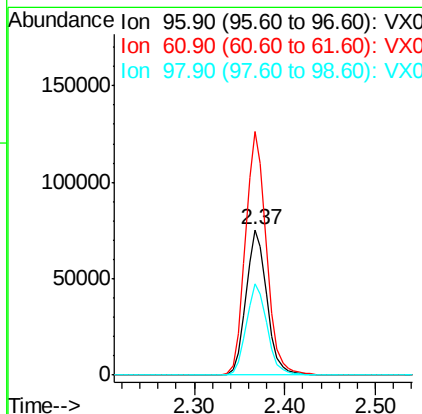
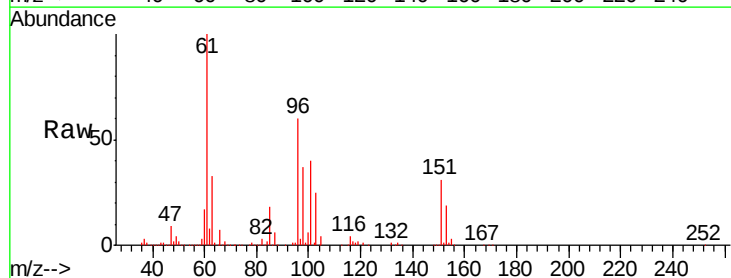
MMDadoda
10/9/2018 1:47:51 PM

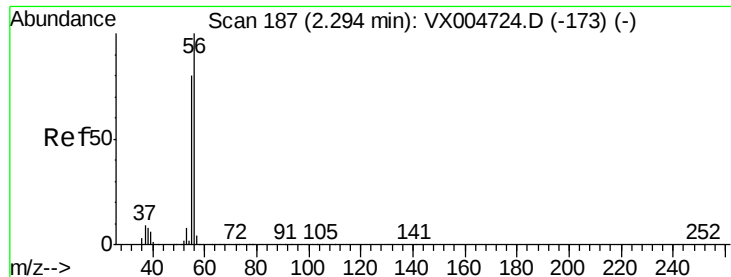


#12

1,1-Dichloroethene
Concen: 55.34 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	120117		
61	167.2		130.2	195.4
98	62.4		53.4	80.0





#13

Acrolein

Concen: 70.51 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion: 56 Resp: 40142

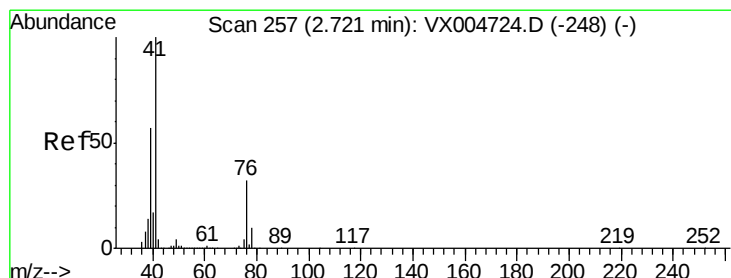
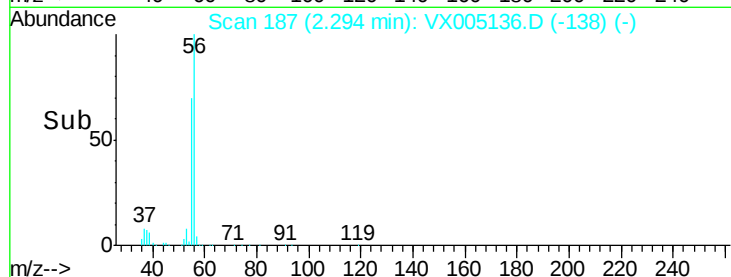
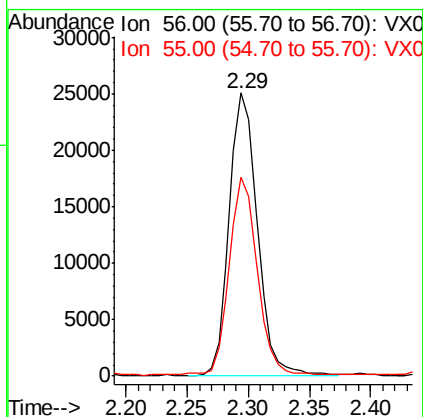
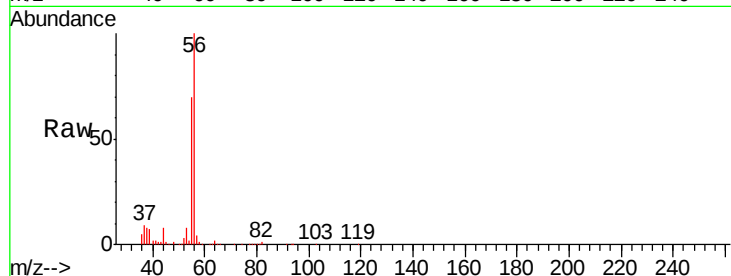
Ion Ratio Lower Upper

56 100

55 68.9 63.4 95.2

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#14

Allyl chloride

Concen: 51.52 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

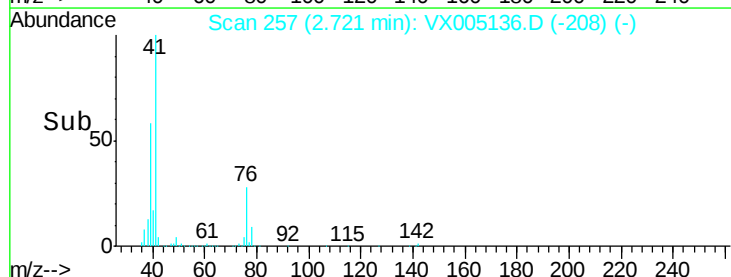
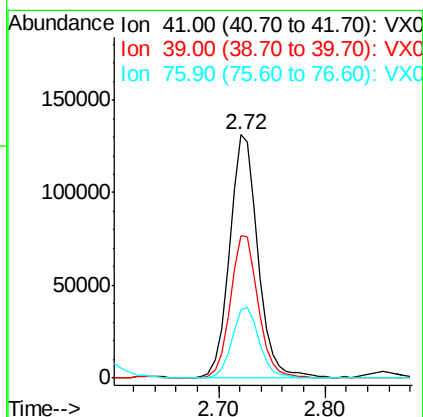
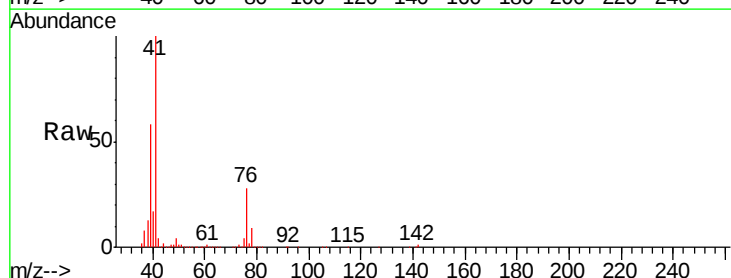
Tgt Ion: 41 Resp: 243996

Ion Ratio Lower Upper

41 100

39 57.9 44.1 66.1

76 28.2 25.0 37.4





#15

Acrylonitrile

Concen: 268.02 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

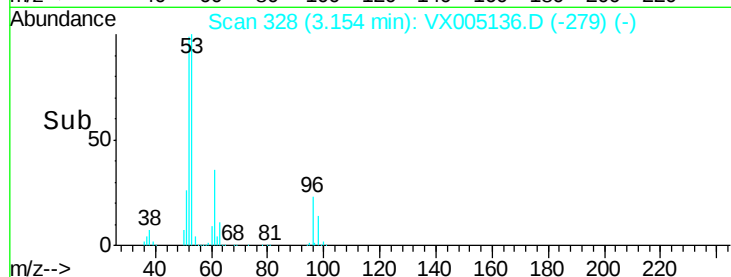
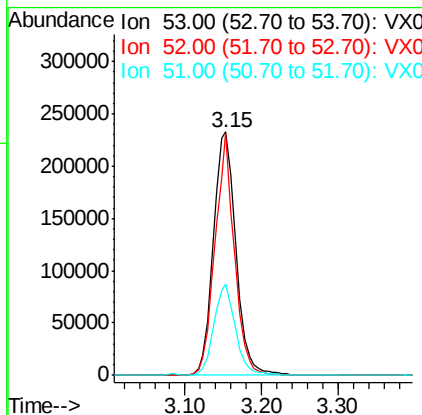
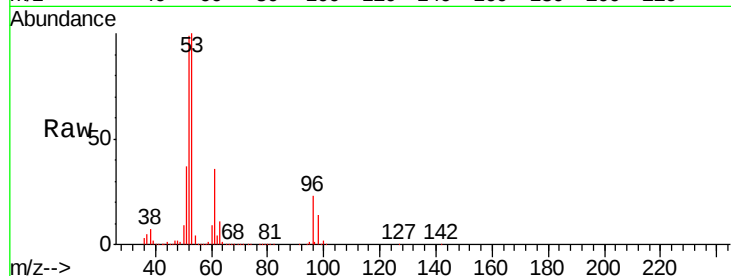
ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion:	53	Resp:	472077
Ion	Ratio	Lower	Upper
53	100		
52	85.4	63.0	94.4
51	36.0	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#16

Acetone

Concen: 253.75 ug/l

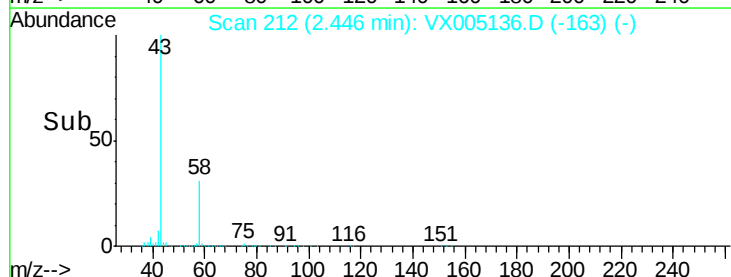
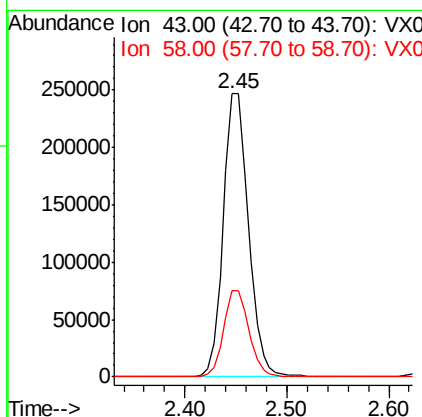
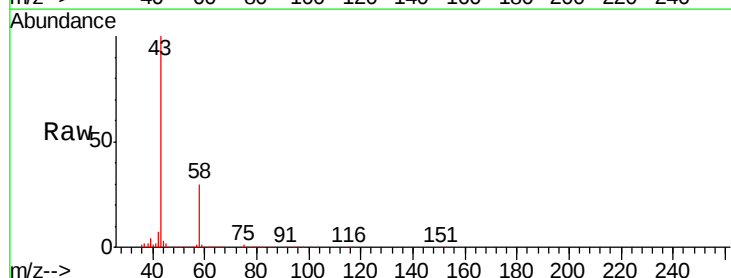
RT: 2.45 min Scan# 212

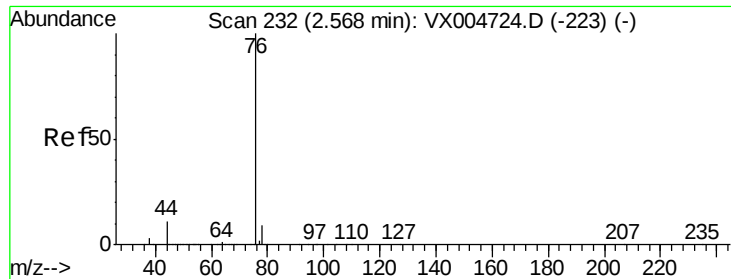
Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion:	43	Resp:	423923
Ion	Ratio	Lower	Upper
43	100		
58	30.5	21.8	32.6





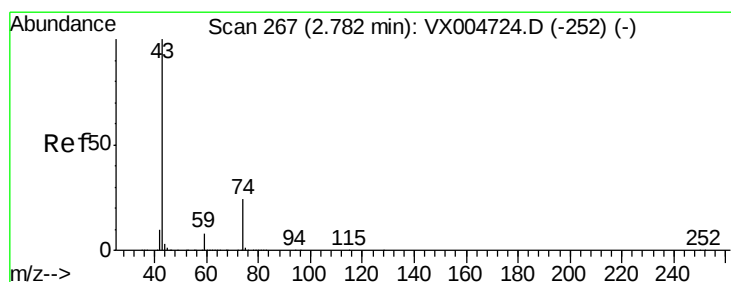
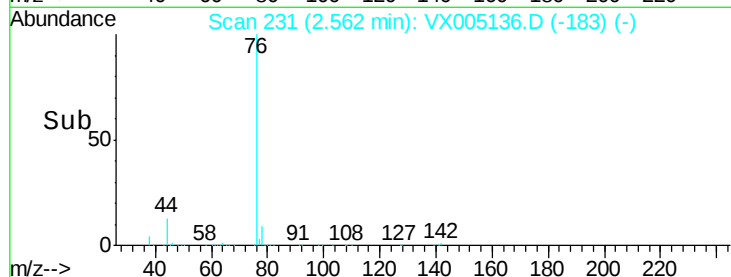
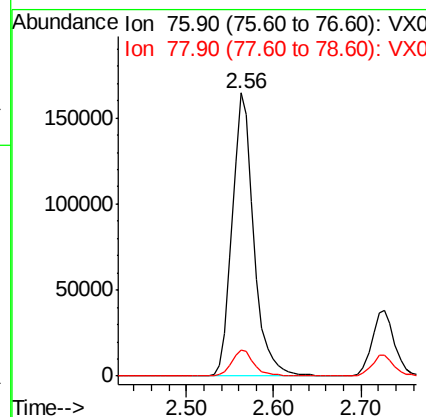
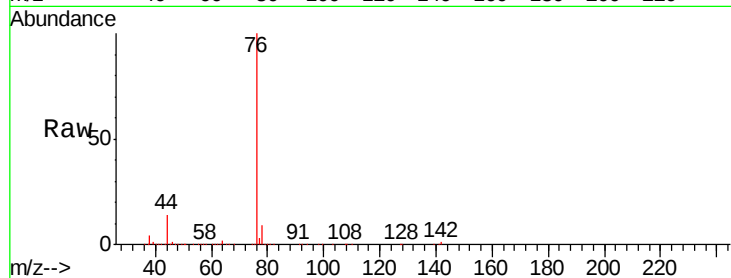
#17
Carbon Disulfide
Concen: 43.31 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

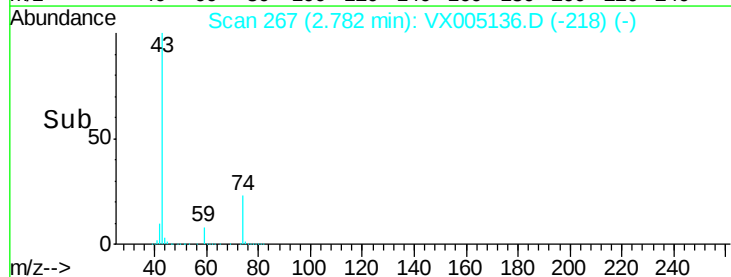
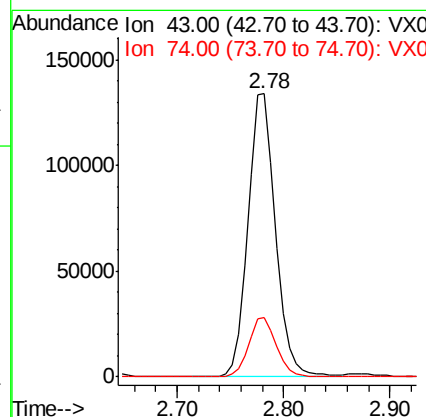
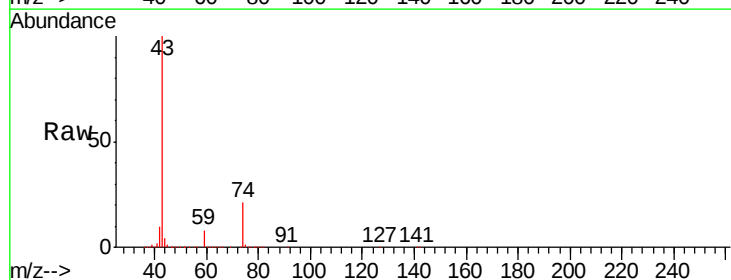
Manual Integrations
APPROVED

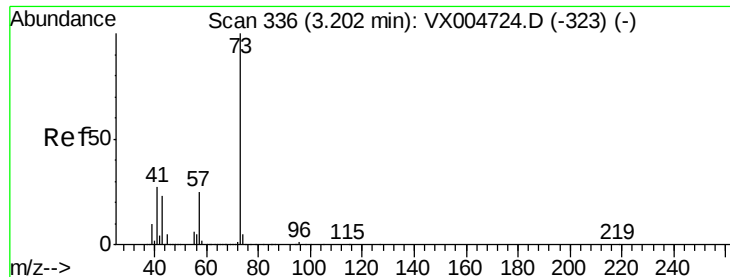
MMDadoda
10/9/2018 1:47:51 PM



#18
Methyl Acetate
Concen: 57.43 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.8	26.8





#19

Methyl tert-butyl Ether

Concen: 55.86 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion: 73 Resp: 418244

Ion Ratio Lower Upper

73 100

57 22.9 19.9 29.9

Instrument :

MSVOA_X

ClientSampleId :

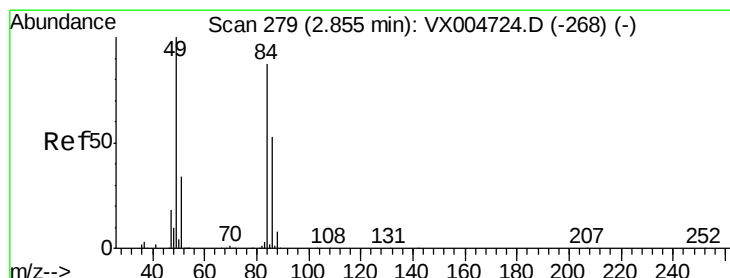
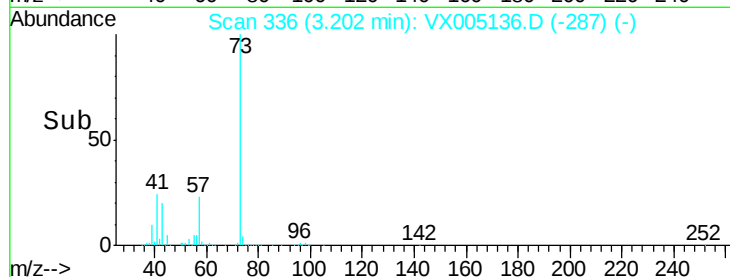
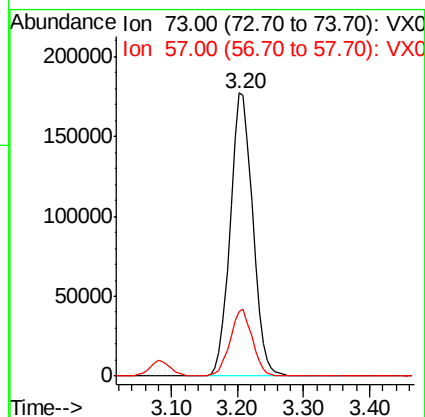
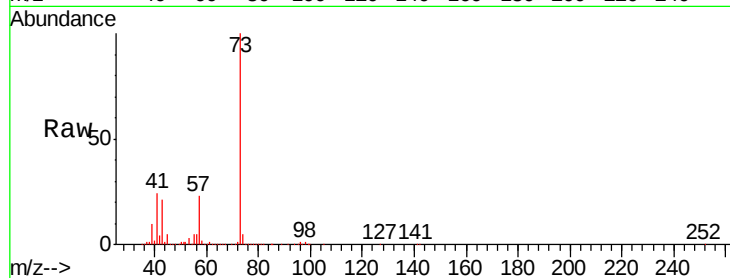
RE-125D2-2018001MSD

Manual Integrations

APPROVED

MMDadoda

10/9/2018 1:47:51 PM



#20

Methylene Chloride

Concen: 52.55 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion: 84 Resp: 127550

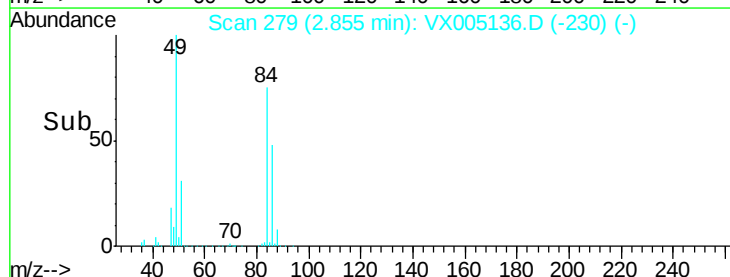
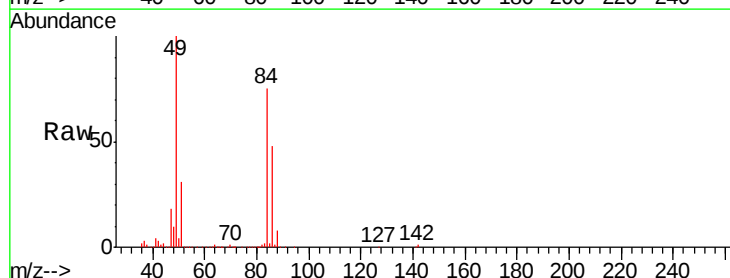
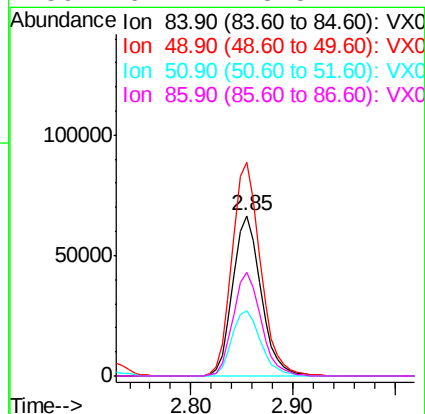
Ion Ratio Lower Upper

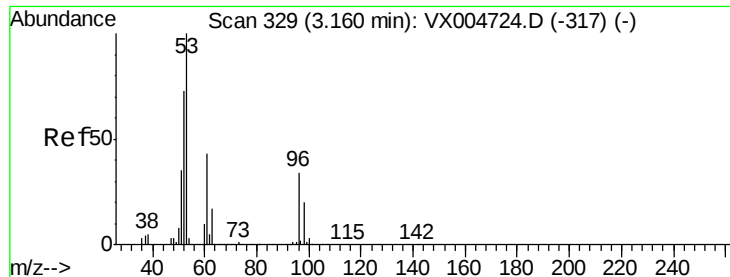
84 100

49 132.9 92.3 138.5

51 40.7 31.8 47.6

86 64.4 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 48.88 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion: 96 Resp: 116129

Ion Ratio Lower Upper

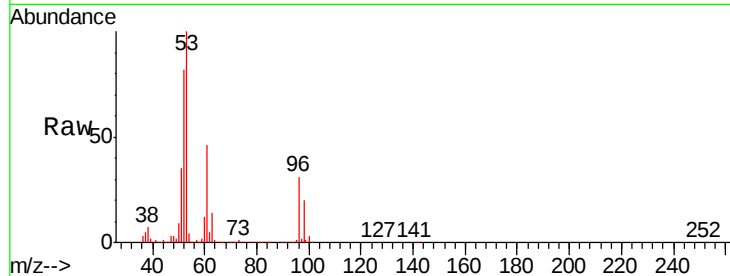
96 100

61 148.8 101.0 151.6

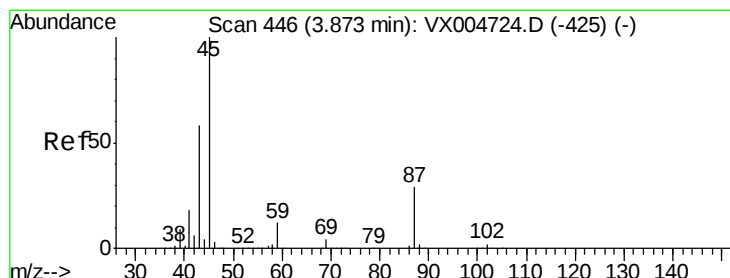
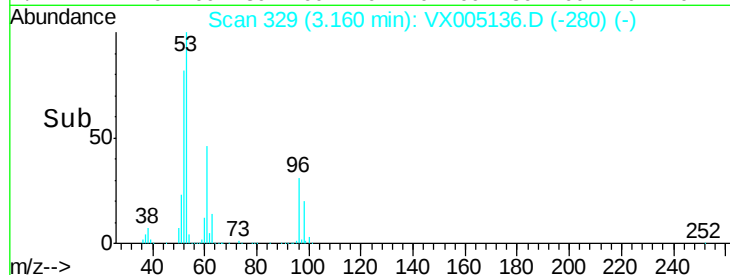
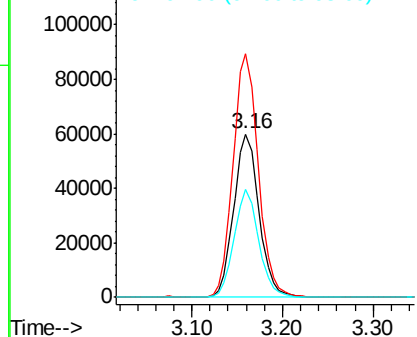
98 65.7 47.2 70.8

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



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: 52.59 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion: 45 Resp: 419426

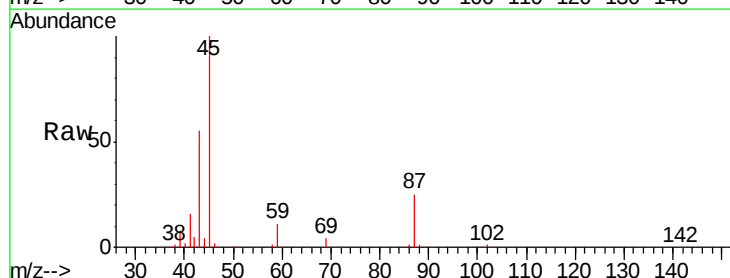
Ion Ratio Lower Upper

45 100

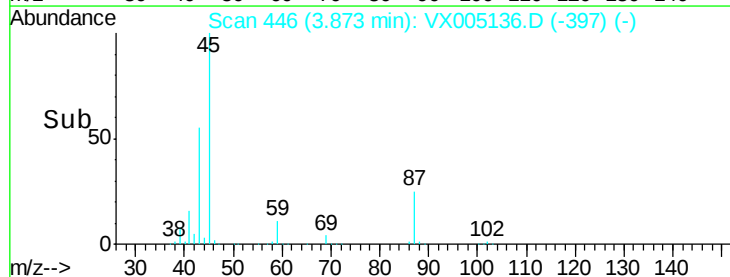
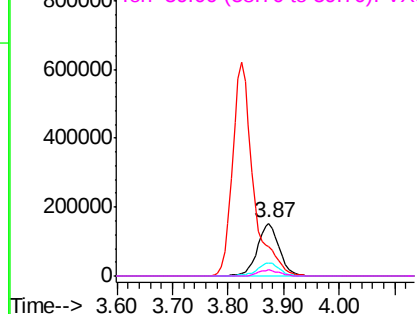
43 55.4 46.7 70.1

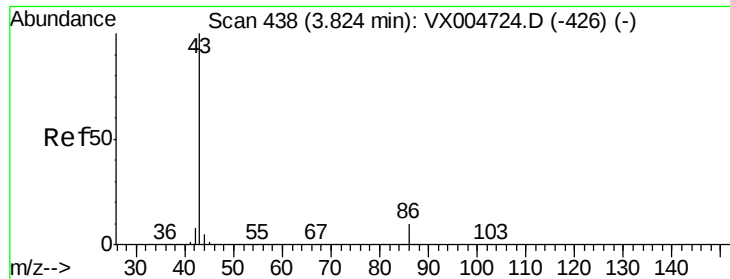
87 25.3 22.9 34.3

59 11.2 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: 218.11 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion: 43 Resp: 1592116

Ion Ratio Lower Upper

43 100

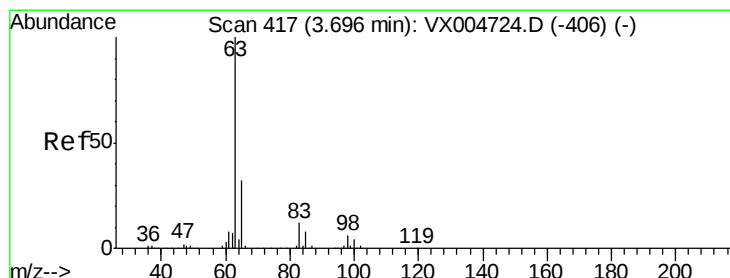
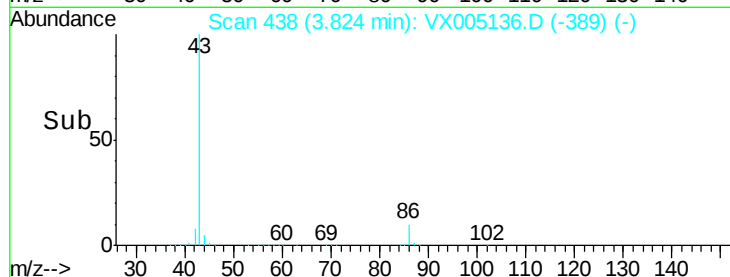
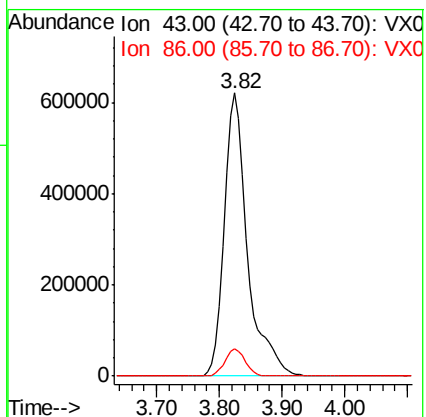
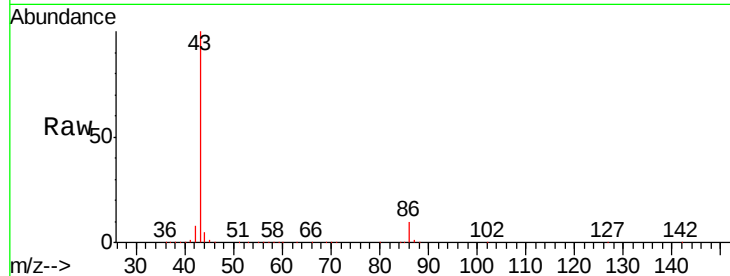
86 9.6 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

10/9/2018 1:47:51 PM



#24

1,1-Dichloroethane

Concen: 49.58 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

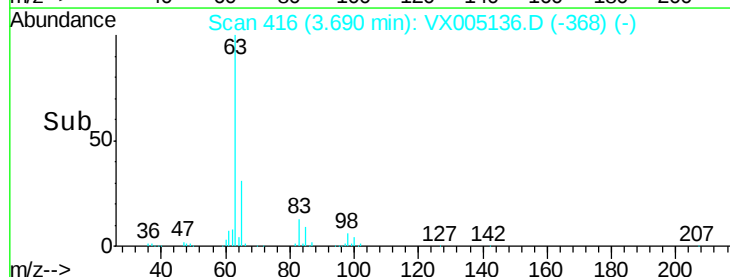
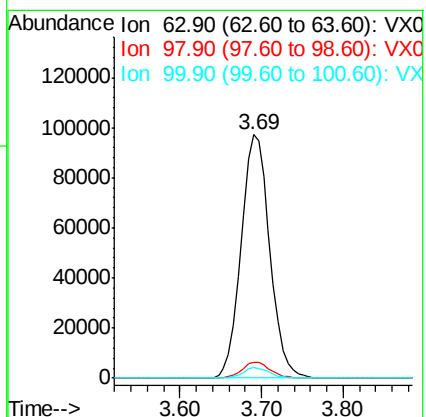
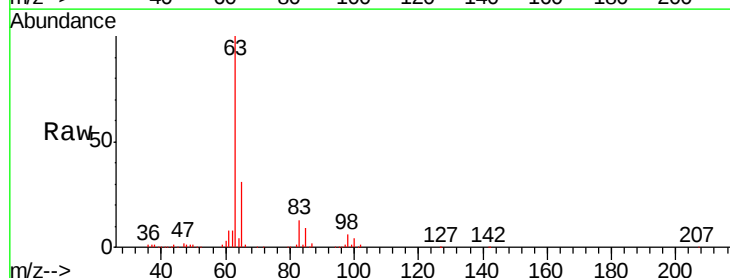
Tgt Ion: 63 Resp: 235831

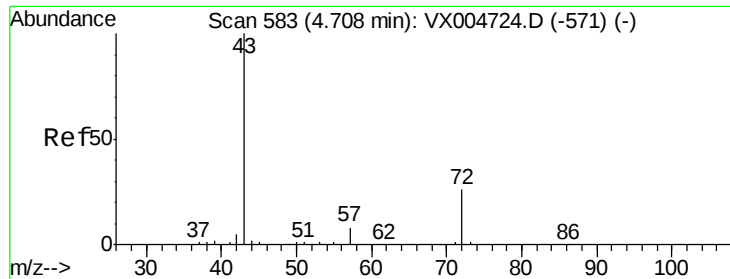
Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 252.20 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion: 43 Resp: 621060

Ion Ratio Lower Upper

43 100

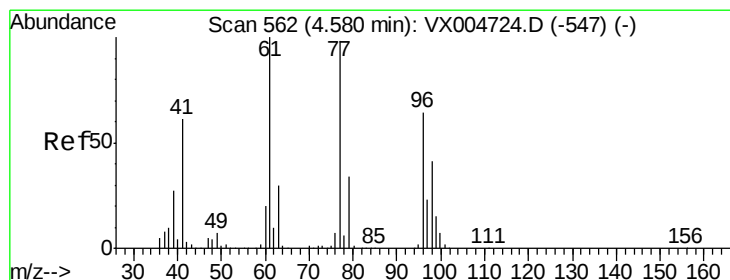
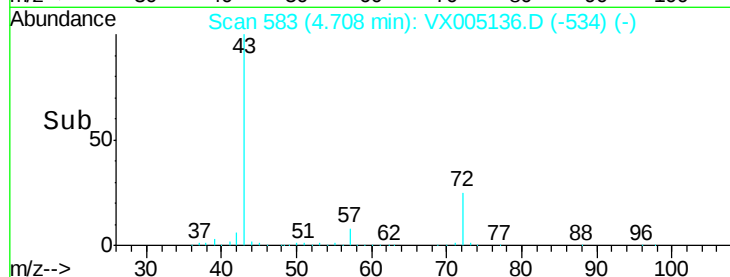
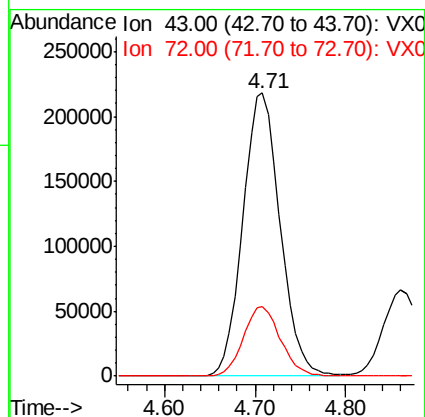
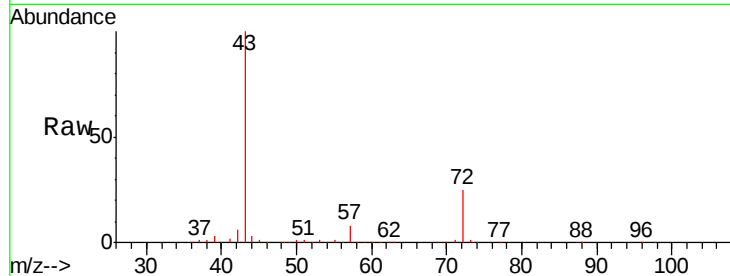
72 24.8 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

10/9/2018 1:47:51 PM



#26

2,2-Dichloropropane

Concen: 40.30 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005136.D

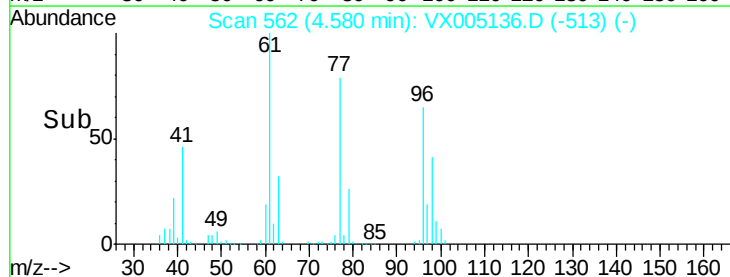
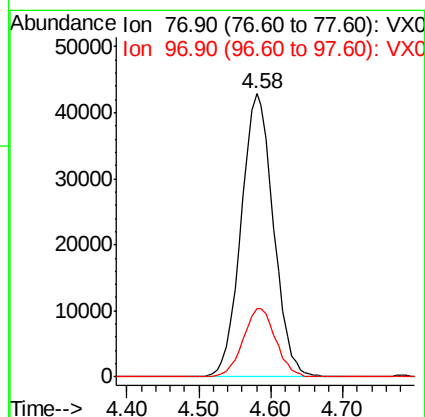
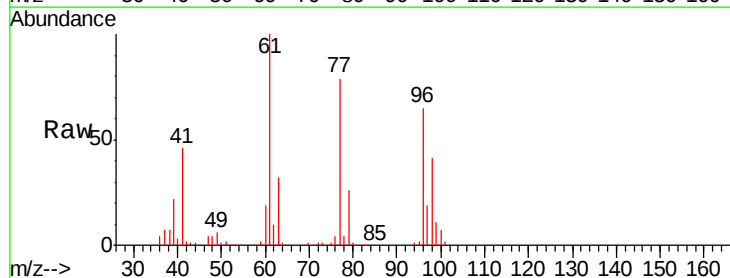
Acq: 08 Oct 2018 19:09

Tgt Ion: 77 Resp: 133497

Ion Ratio Lower Upper

77 100

97 24.4 12.6 37.8





#27

cis-1,2-Dichloroethene

Concen: 52.77 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

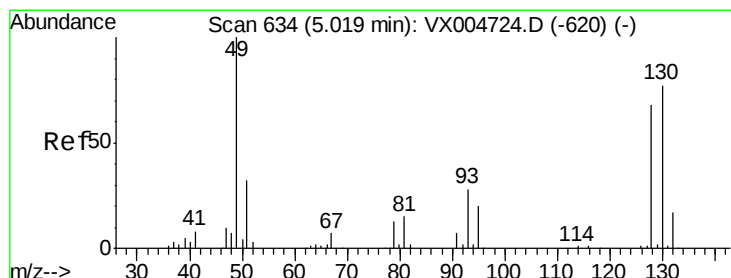
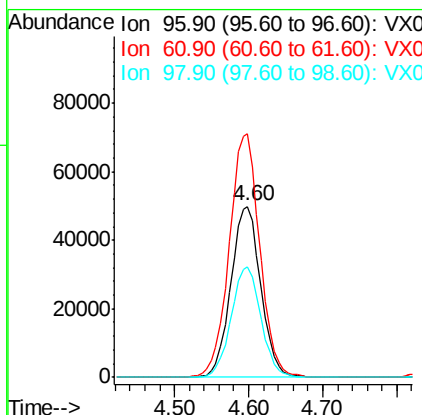
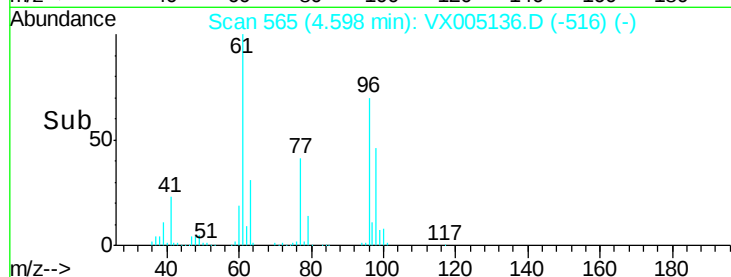
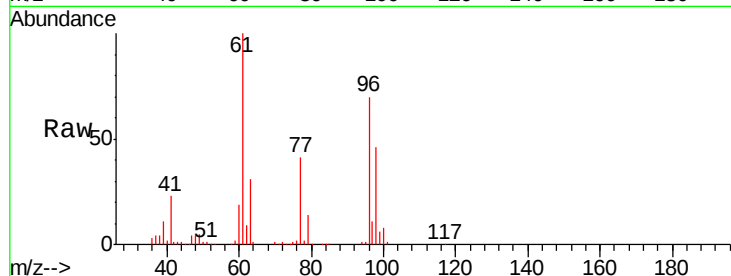
ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion:	96	Resp:	140067
Ion Ratio	Lower	Upper	
96	100		
61	146.2	0.0	285.8
98	64.5	0.0	136.2

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#28

Bromochloromethane

Concen: 49.77 ug/l

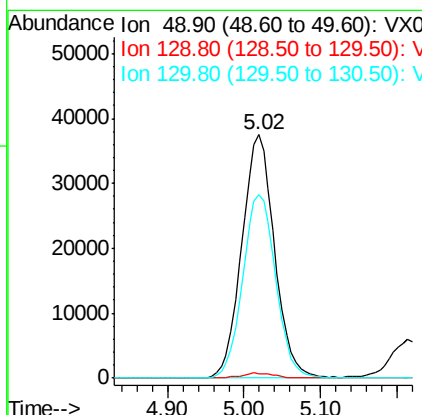
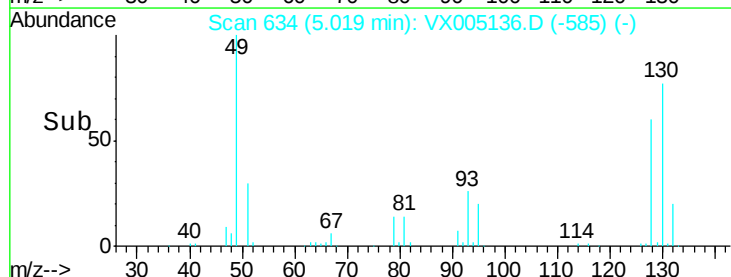
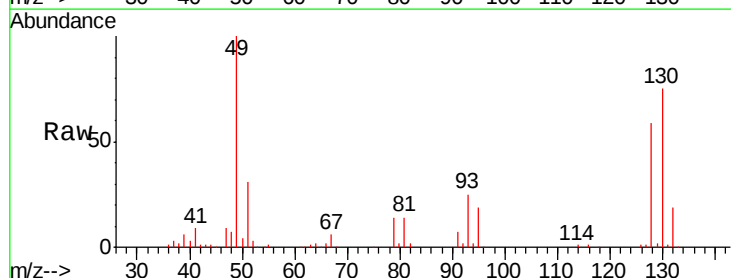
RT: 5.02 min Scan# 634

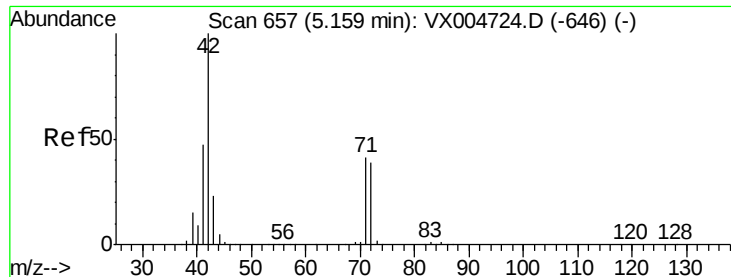
Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion:	49	Resp:	111491
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.2
130	76.0	62.0	93.0





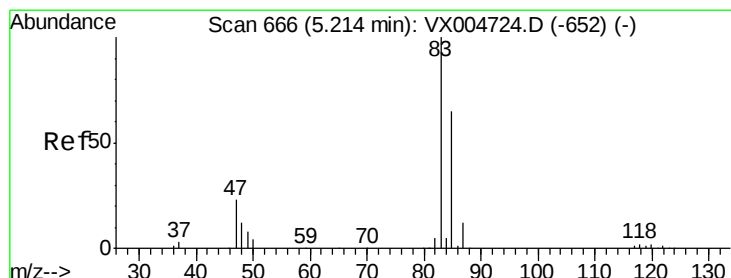
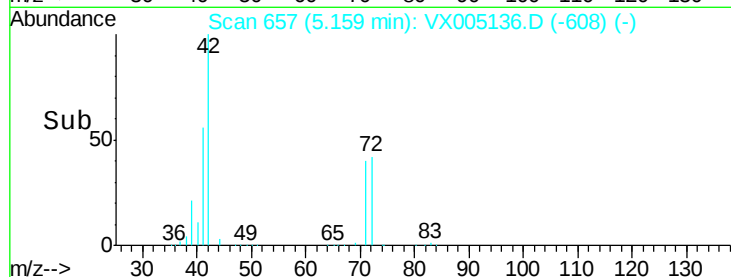
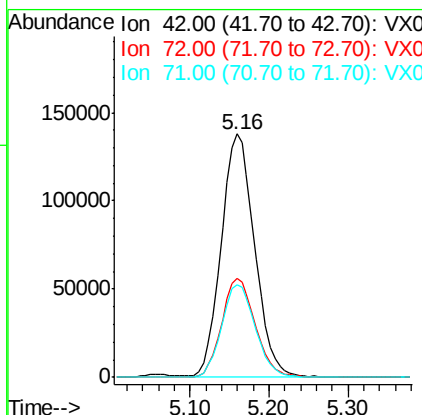
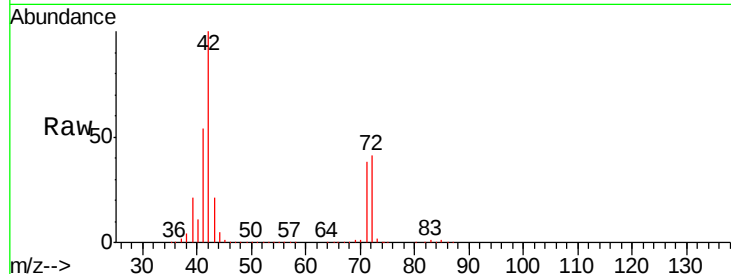
#29
Tetrahydrofuran
Concen: 264.52 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.7	50.5
71	38.5	32.2	48.4

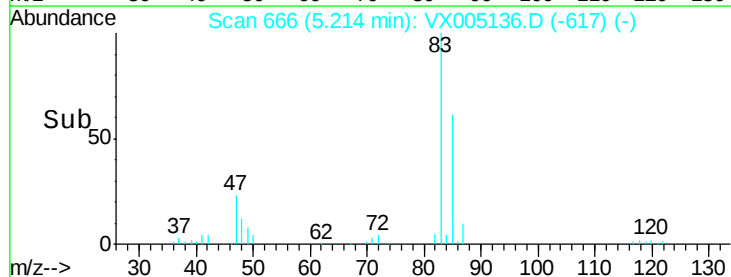
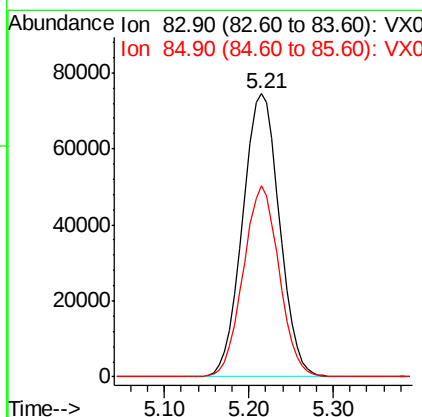
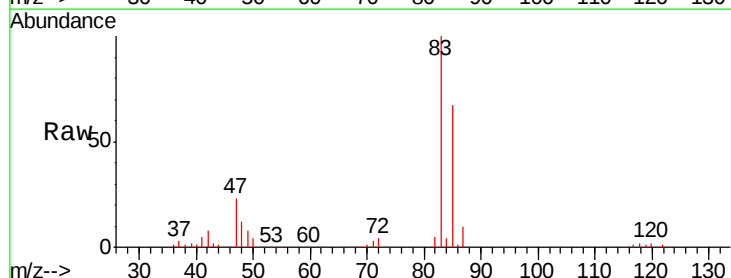
Manual Integrations
APPROVED

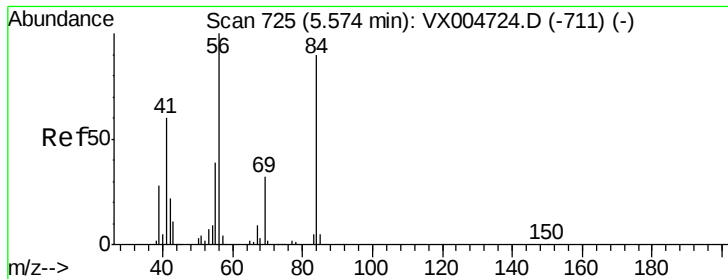
MMDadoda
10/9/2018 1:47:51 PM



#30
Chloroform
Concen: 49.34 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.4	78.6





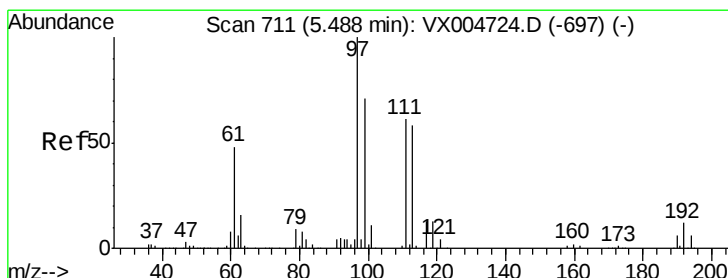
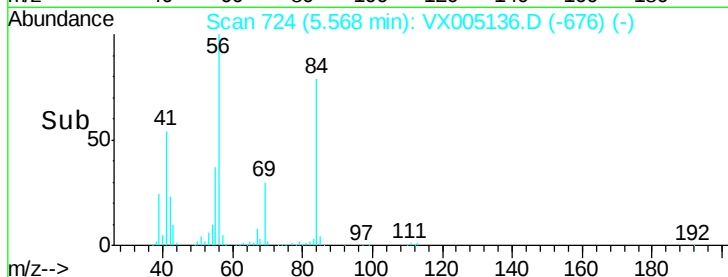
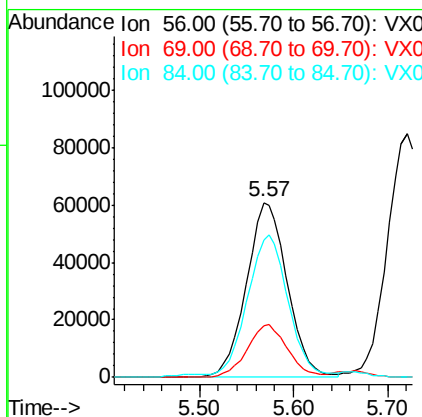
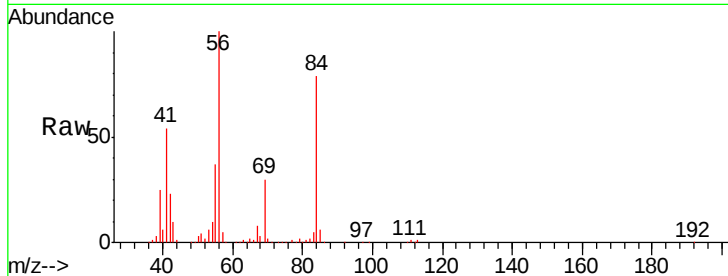
#31
Cyclohexane
Concen: 50.76 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.9	38.9
84	77.1	71.9	107.9

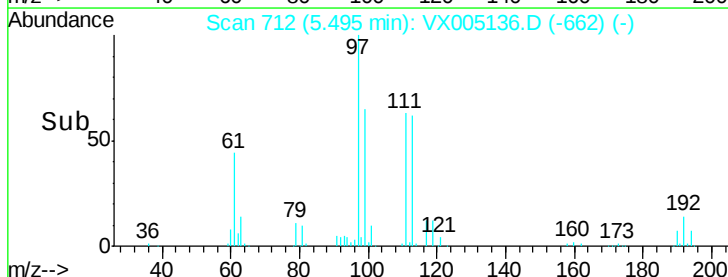
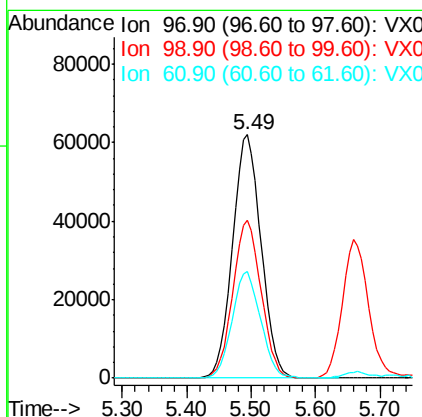
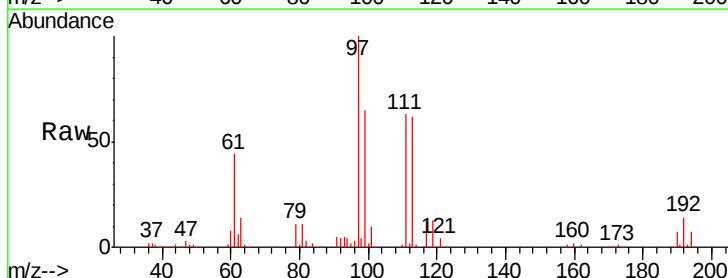
Manual Integrations
APPROVED

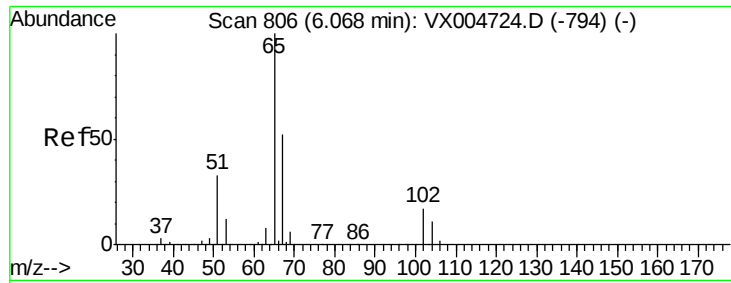
MMDadoda
10/9/2018 1:47:51 PM



#32
1,1,1-Trichloroethane
Concen: 51.88 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	54.6	82.0
61	43.8	37.5	56.3





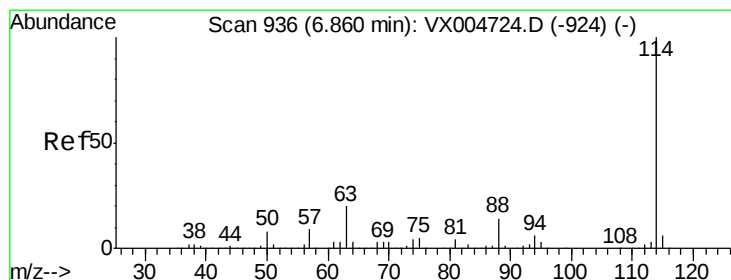
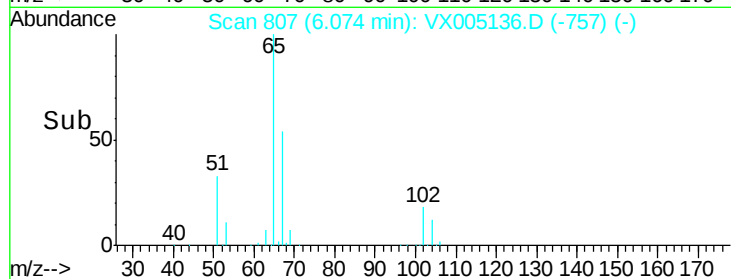
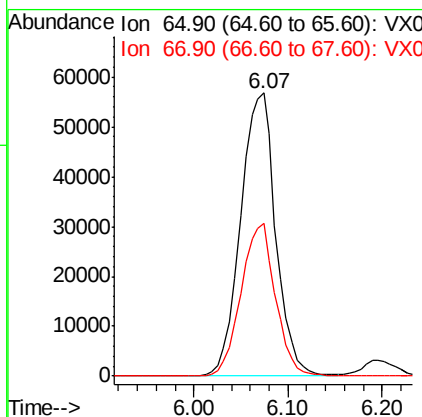
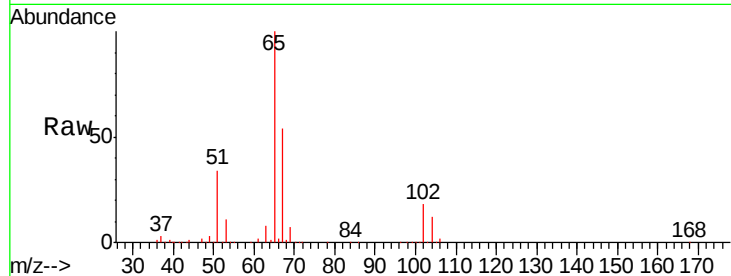
#33
 1,2-Dichloroethane-d4
 Concen: 51.78 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-125D2-2018001MSD

Tgt Ion: 65 Resp: 148157
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.4

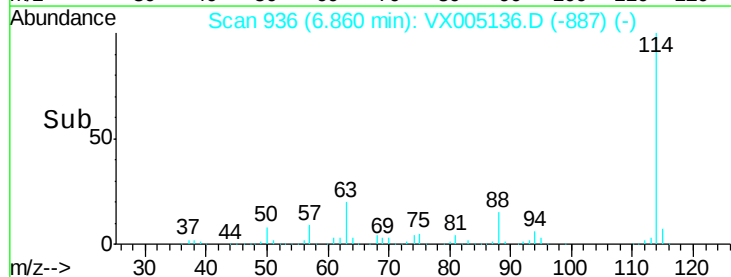
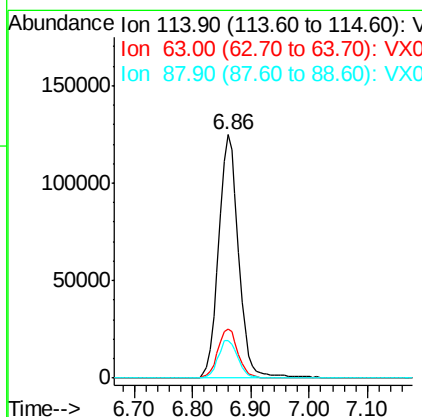
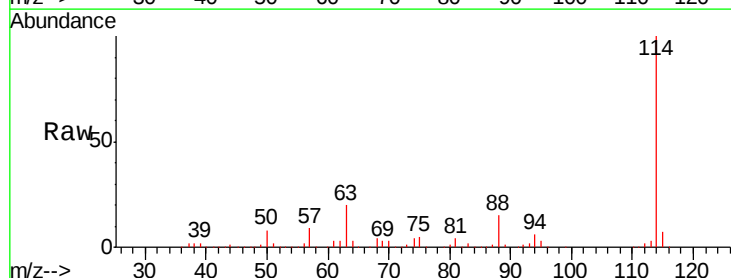
Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Tgt Ion: 114 Resp: 296204
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.4 0.0 27.0





#35

Dibromofluoromethane

Concen: 47.42 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

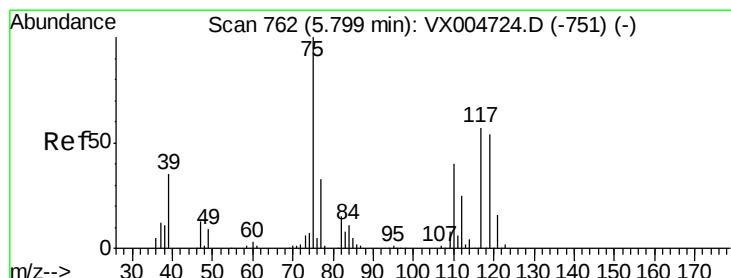
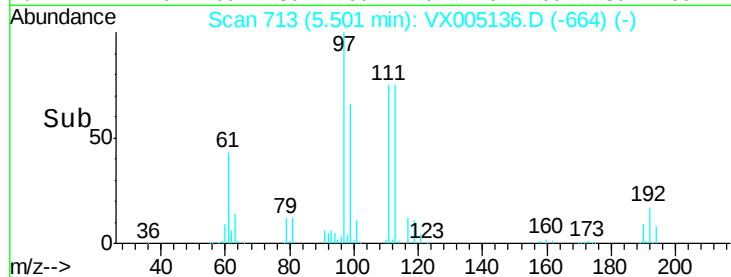
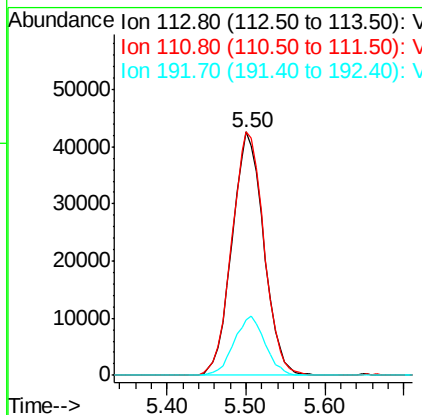
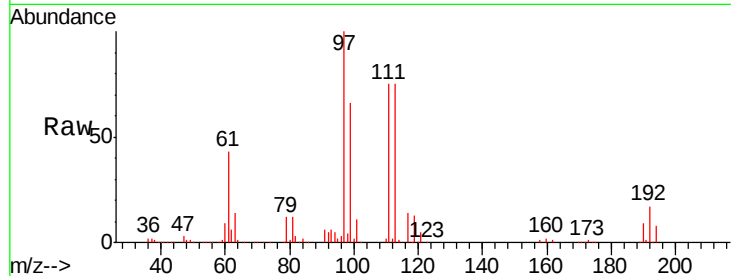
ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion:	113	Resp:	119030
Ion Ratio	Lower	Upper	
113	100		
111	101.5	77.0	115.4
192	23.7	17.0	25.6

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#36

1,1-Dichloropropene

Concen: 46.08 ug/l

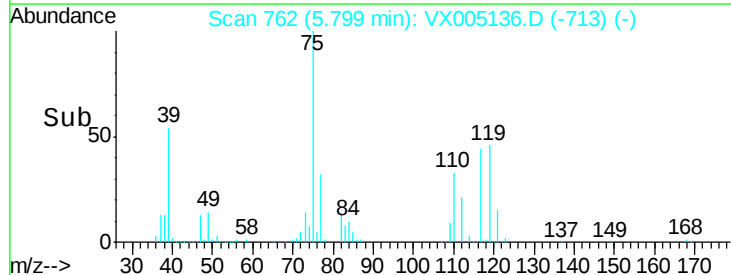
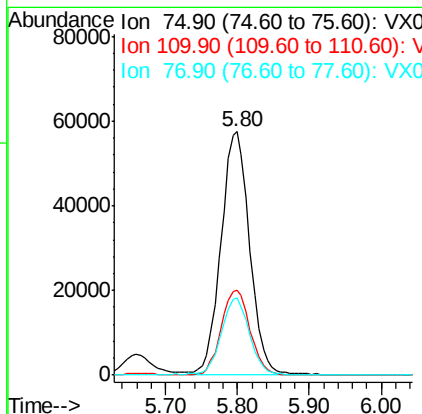
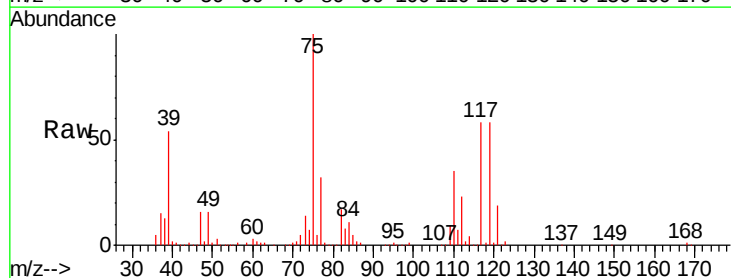
RT: 5.80 min Scan# 762

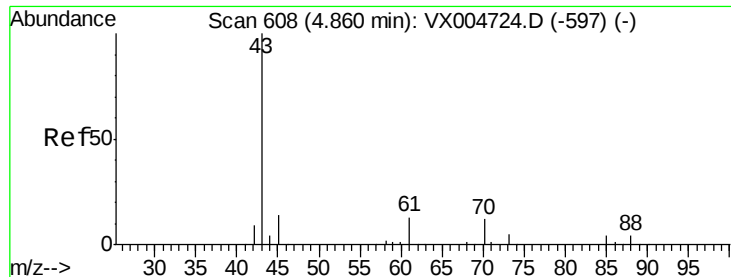
Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion:	75	Resp:	157834
Ion Ratio	Lower	Upper	
75	100		
110	35.6	20.0	59.9
77	31.5	27.1	40.7





#37

Ethyl Acetate

Concen: 42.63 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

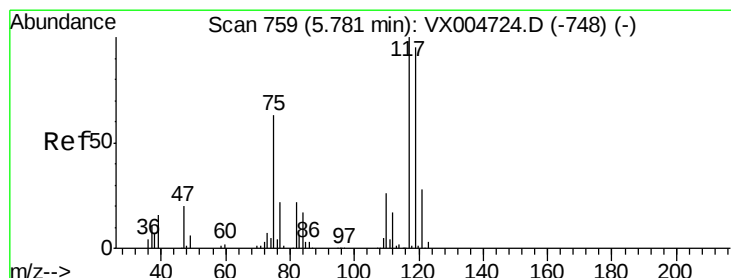
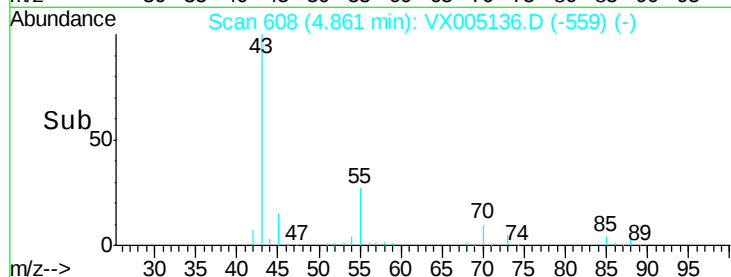
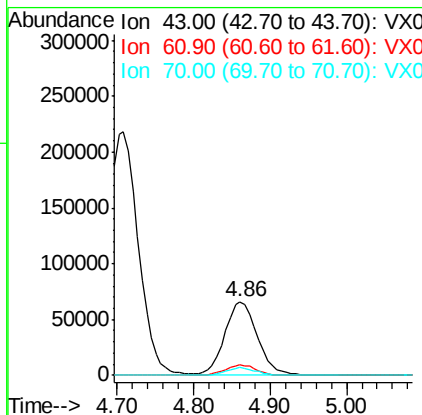
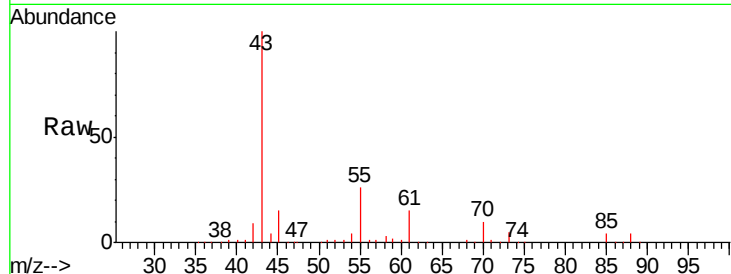
ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion:	43	Resp:	193835
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.4	15.6
70	9.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#38

Carbon Tetrachloride

Concen: 46.05 ug/l

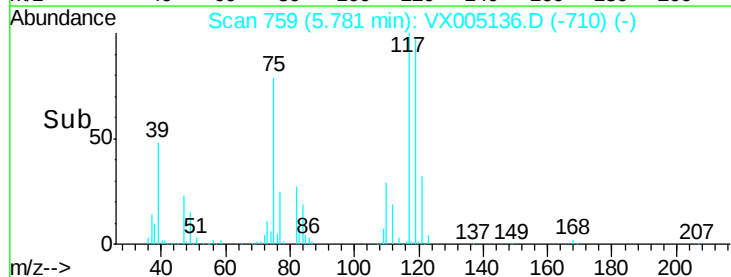
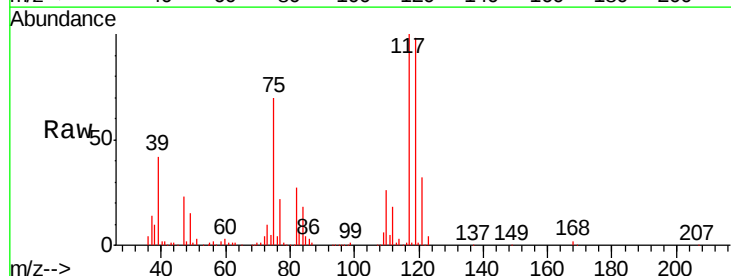
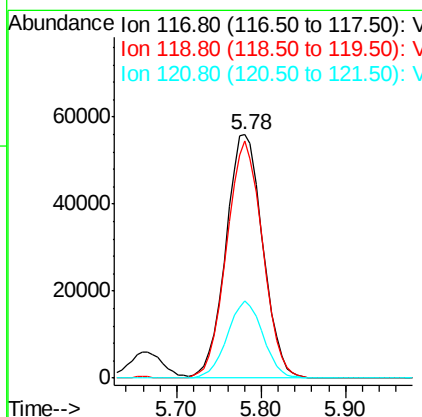
RT: 5.78 min Scan# 759

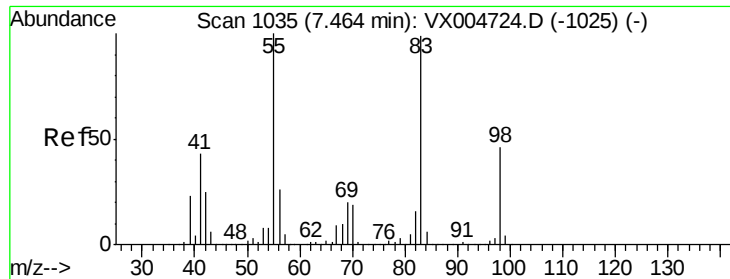
Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion:	117	Resp:	165794
Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.2	112.8
121	32.0	22.5	33.7





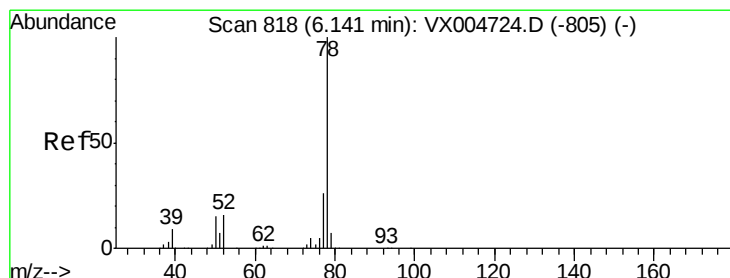
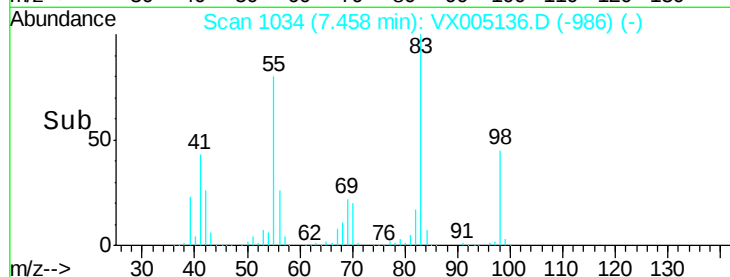
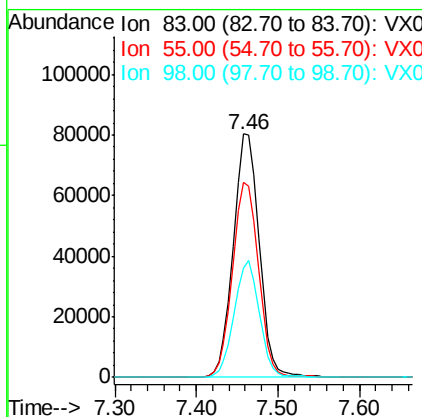
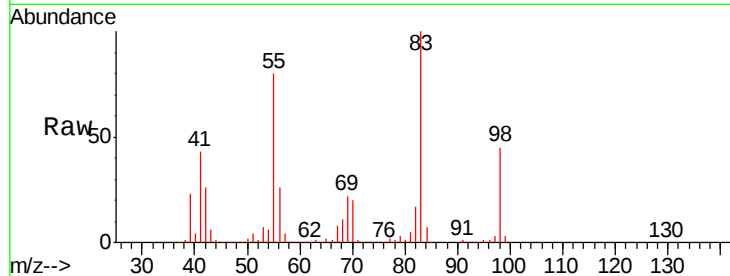
#39
Methylcyclohexane
Concen: 50.47 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	176515		
55	80.0	81.1	121.7#	
98	44.7	37.3	55.9	

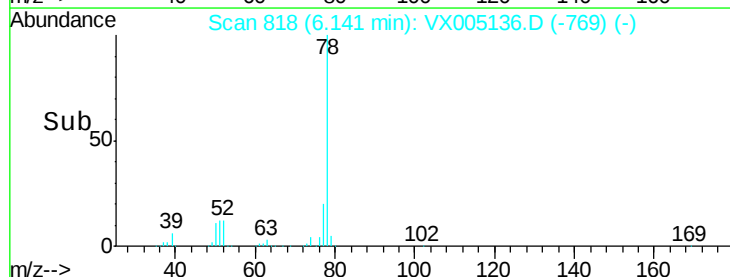
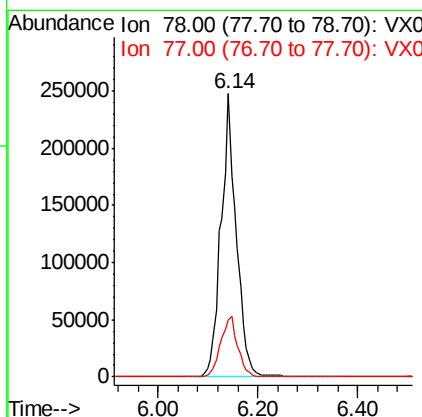
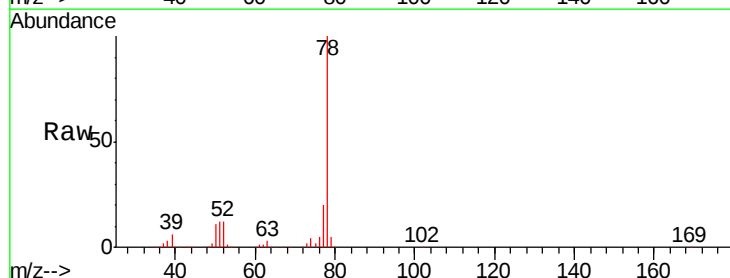
Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#40
Benzene
Concen: 49.22 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	527805		
77	20.1	21.0	31.4#	





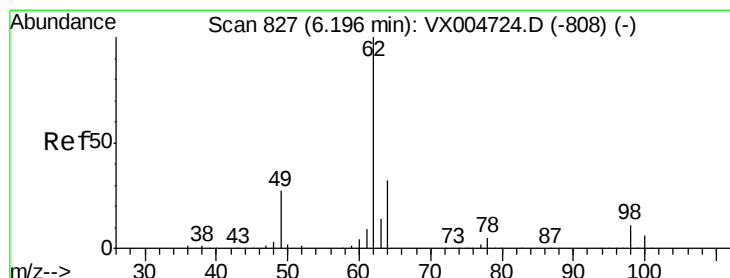
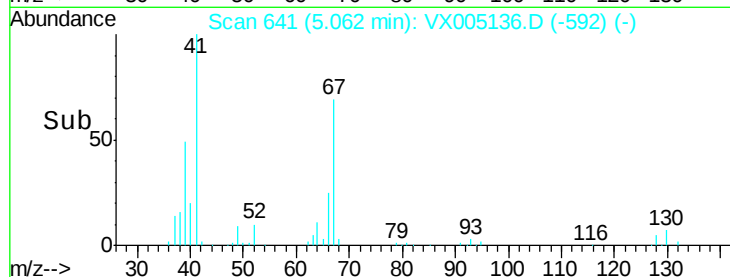
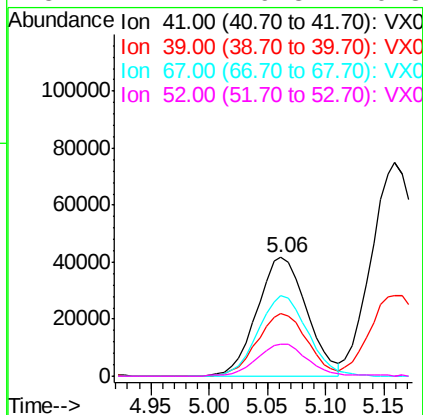
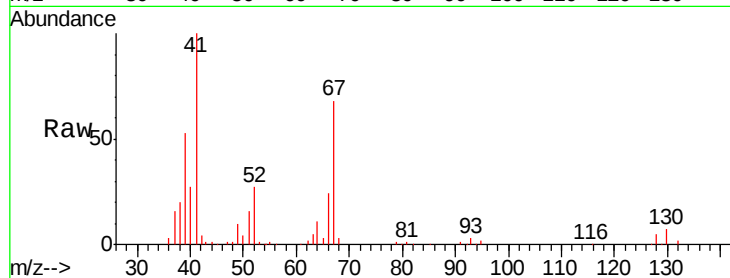
#41
Methacrylonitrile
Concen: 48.91 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.5	63.7	
67	68.1	53.0	79.6	
52	27.1	19.8	29.8	

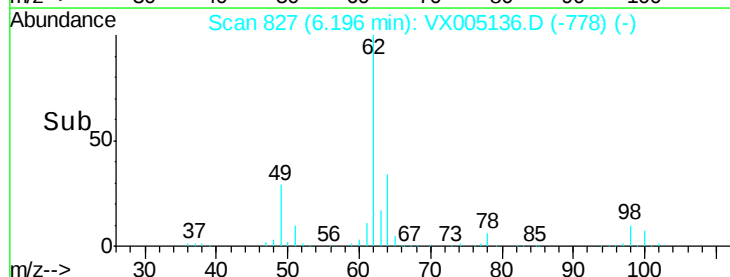
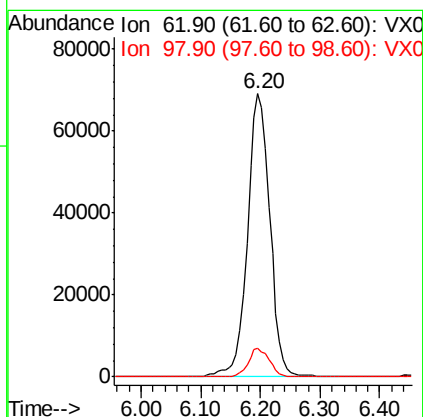
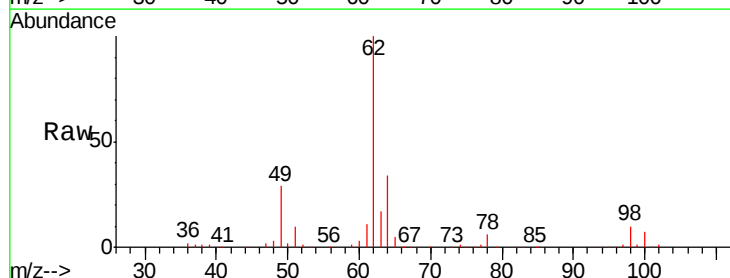
Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#42
1,2-Dichloroethane
Concen: 47.67 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	20.2	





#43

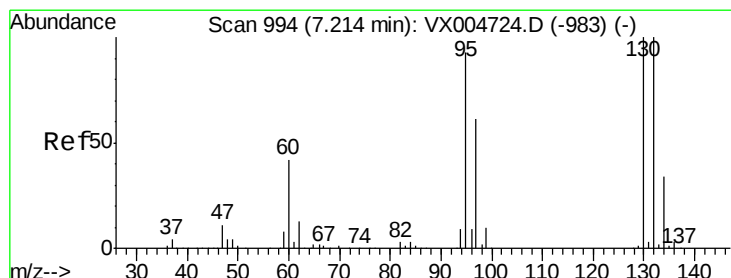
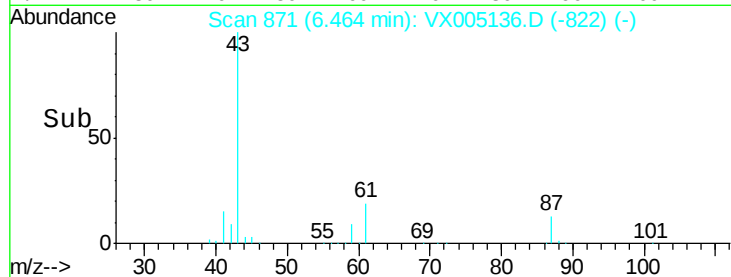
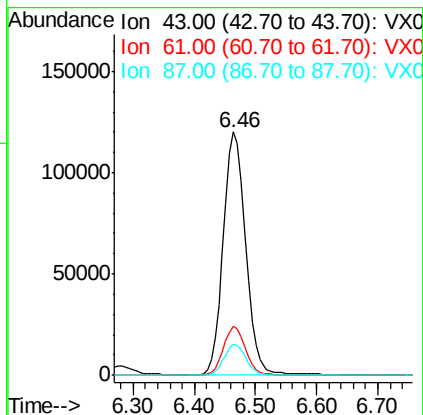
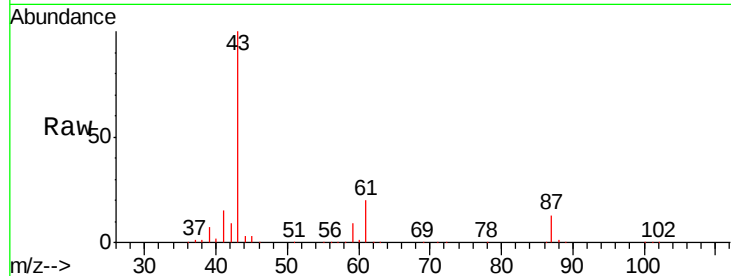
Isopropyl Acetate
 Concen: 46.28 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-125D2-2018001MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.9	14.2	21.4
87	12.7	9.3	13.9

Manual Integrations
 APPROVED

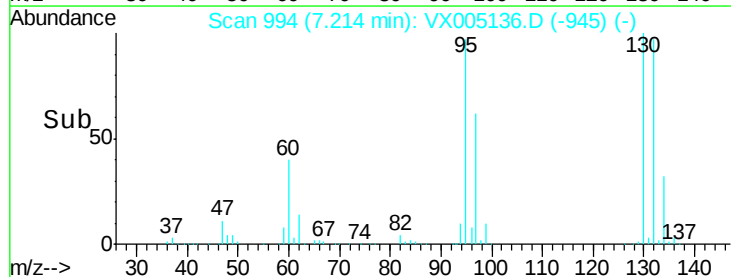
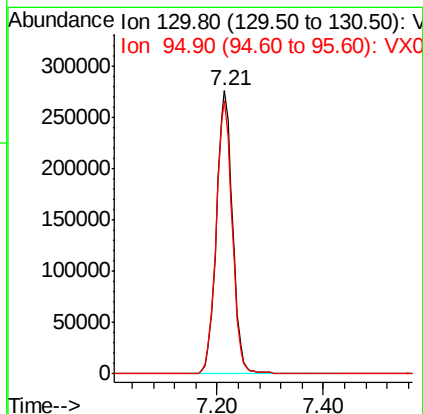
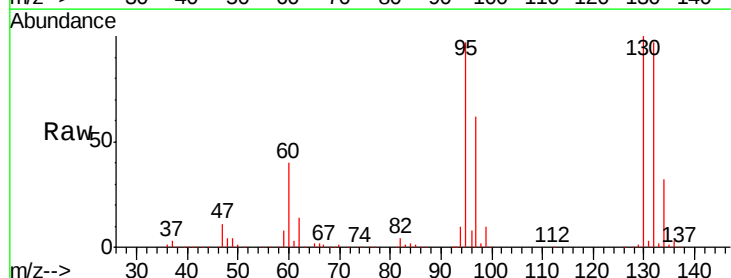
MMDadoda
 10/9/2018 1:47:51 PM

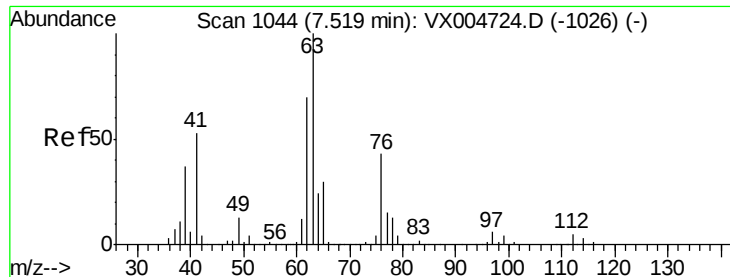


#44

Trichloroethene
 Concen: 220.50 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	186.8





#45

1,2-Dichloropropane

Concen: 50.86 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion: 63 Resp: 133746

Ion Ratio Lower Upper

63 100

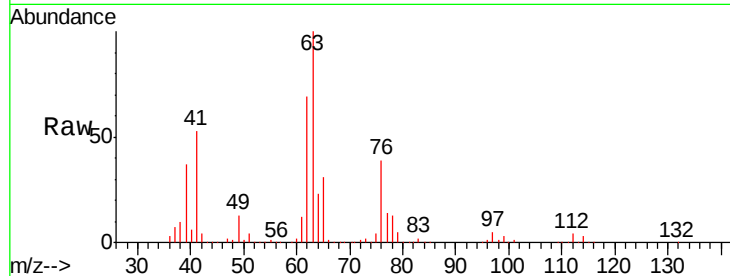
65 30.9 23.9 35.9

Manual Integrations

APPROVED

MMDadoda

10/9/2018 1:47:51 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

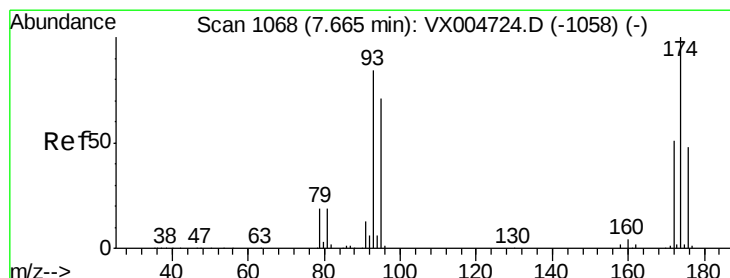
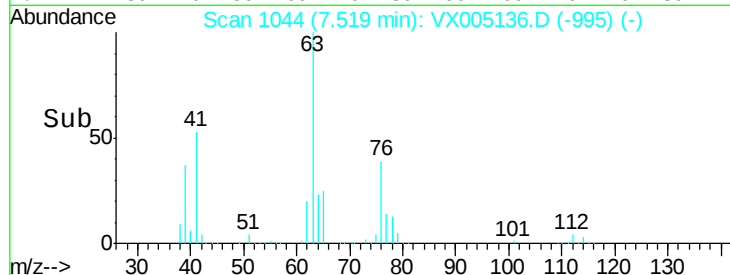
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.39 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

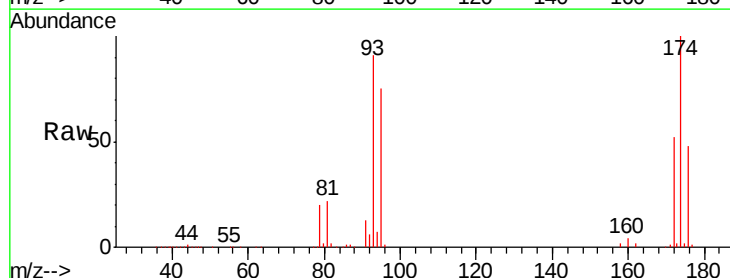
Tgt Ion: 93 Resp: 84934

Ion Ratio Lower Upper

93 100

95 83.9 66.7 100.1

174 116.9 92.7 139.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

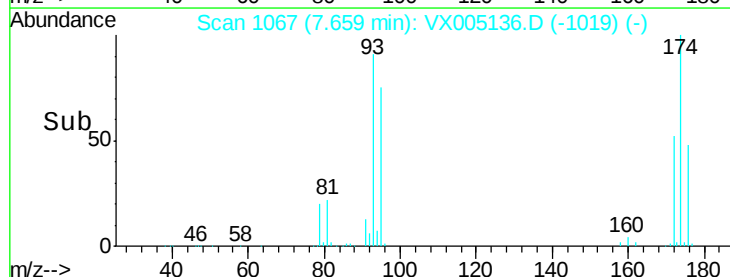
60000

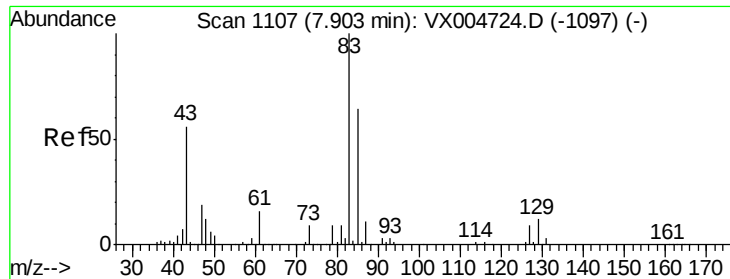
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 53.64 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

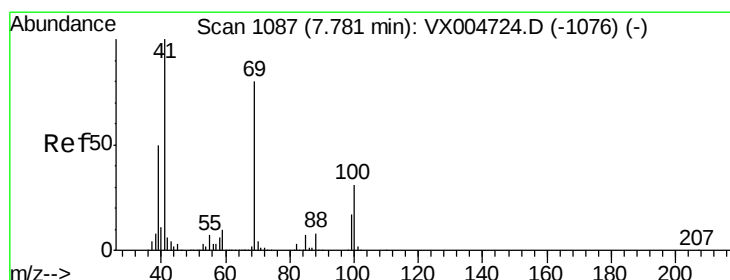
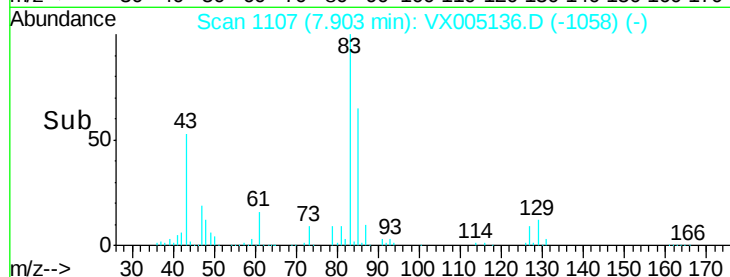
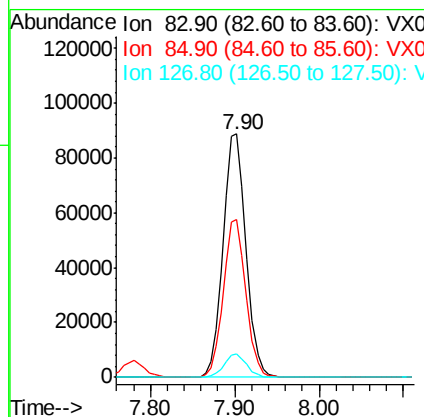
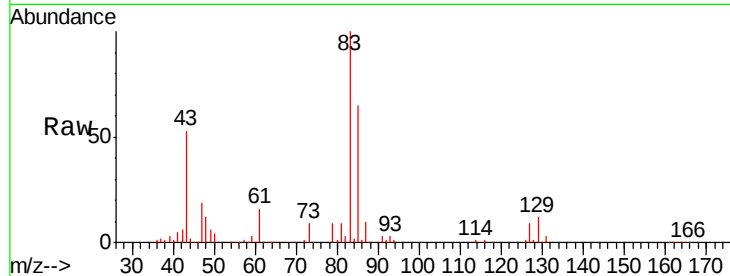
ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion:	83	Resp:	165968
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.2	76.8
127	9.4	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#48

Methyl methacrylate

Concen: 57.15 ug/l

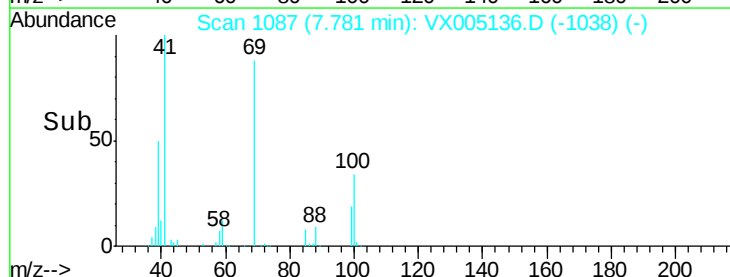
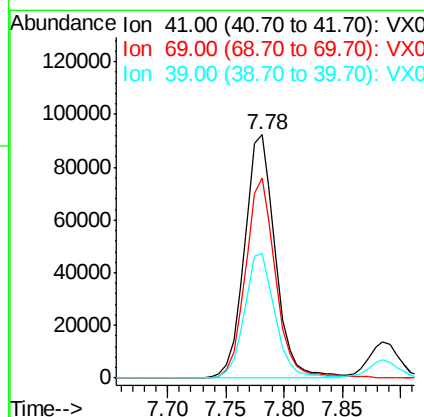
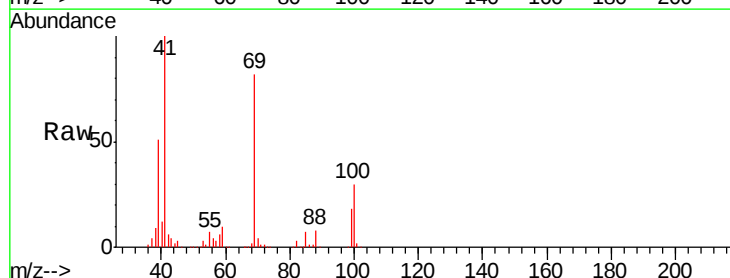
RT: 7.78 min Scan# 1087

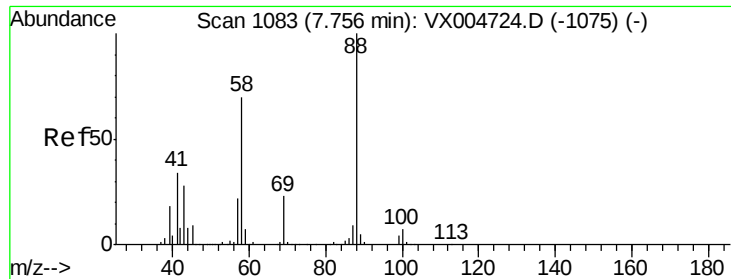
Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion:	41	Resp:	170233
Ion Ratio	Lower	Upper	
41	100		
69	81.0	63.8	95.6
39	51.0	40.7	61.1





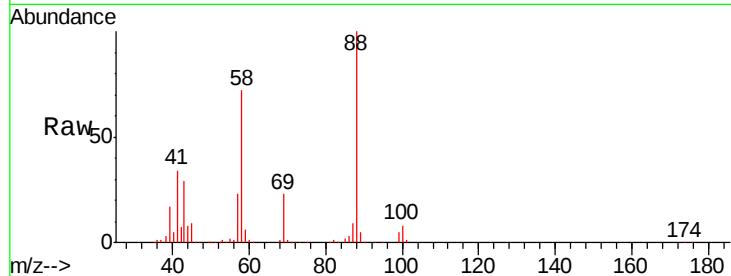
#49
1,4-Dioxane
Concen: 1103.94 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

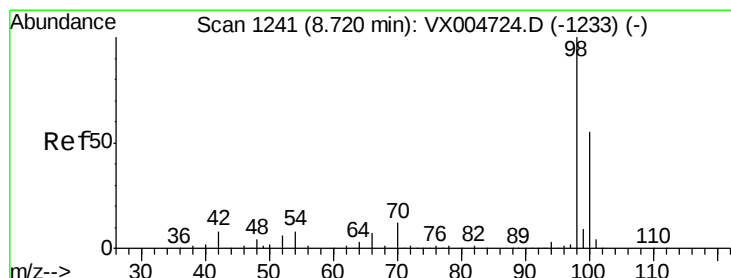
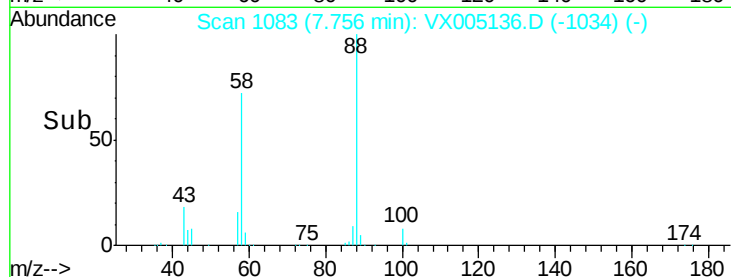
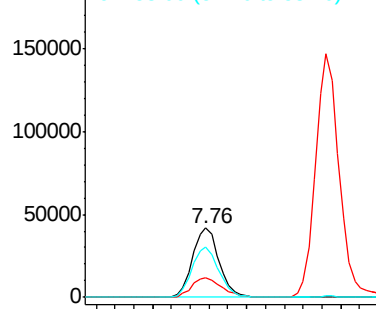
Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.7	25.1	37.7
58	73.6	56.2	84.2

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM

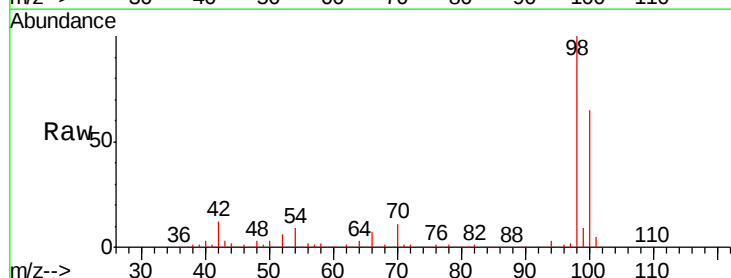


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

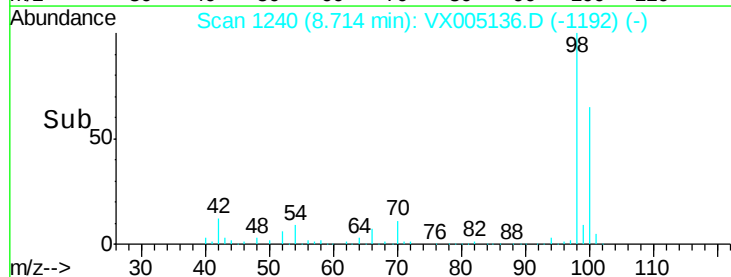
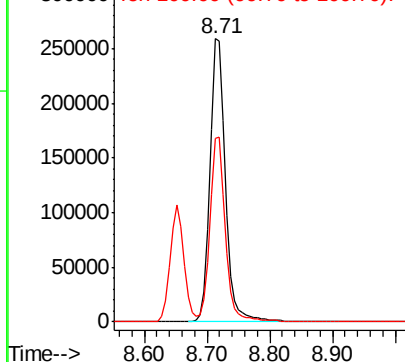


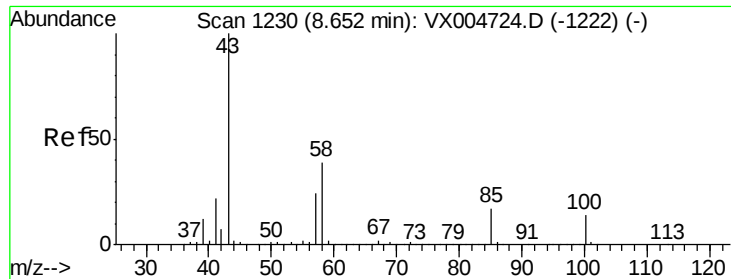
#50
Toluene-d8
Concen: 52.91 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.9	77.9



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





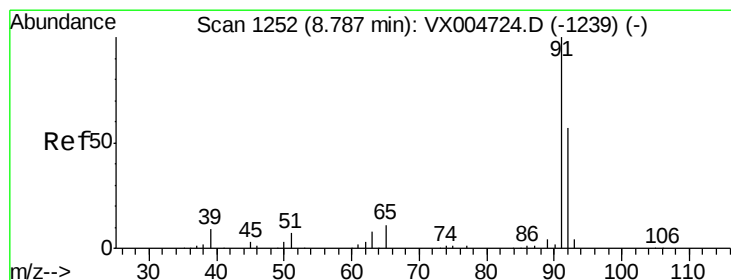
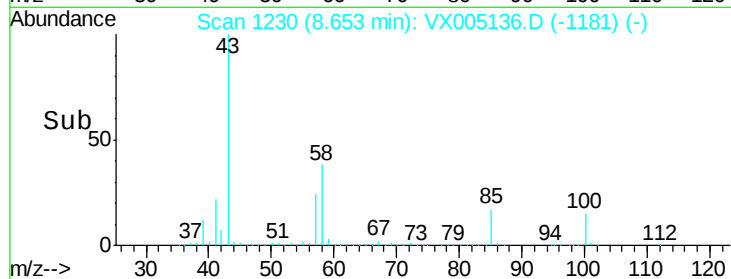
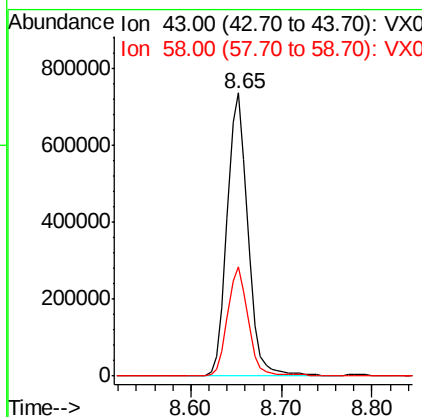
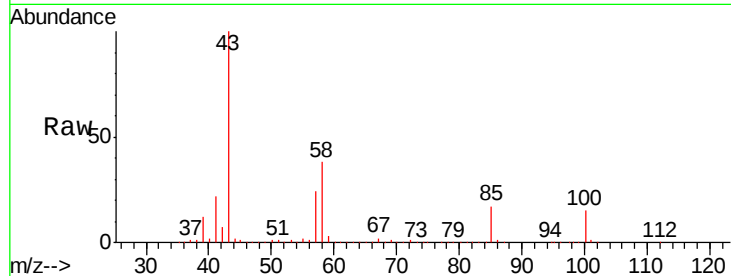
#51
4-Methyl-2-Pentanone
Concen: 284.95 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion: 43 Resp: 1177348
Ion Ratio Lower Upper
43 100
58 38.6 30.5 45.7

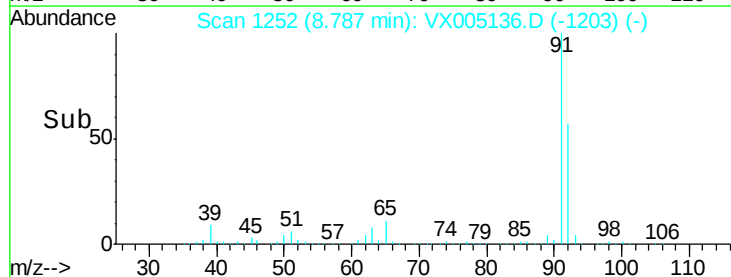
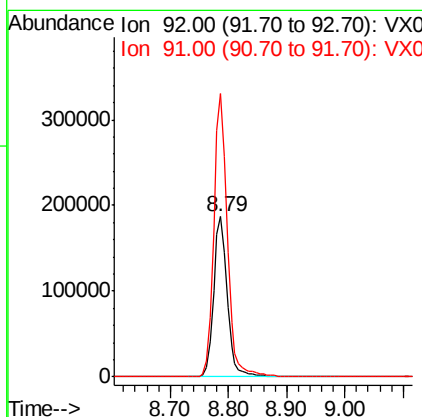
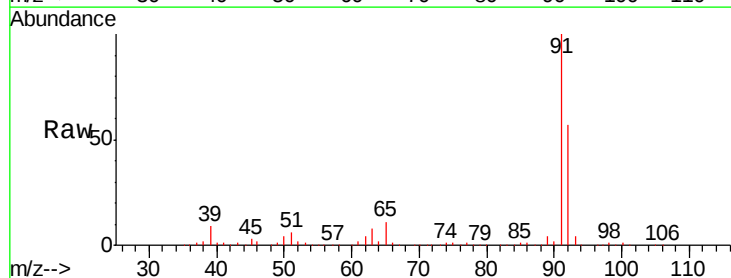
Manual Integrations
APPROVED

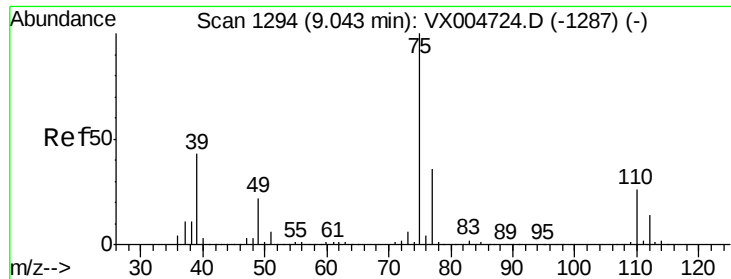
MMDadoda
10/9/2018 1:47:51 PM



#52
Toluene
Concen: 51.43 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion: 92 Resp: 303018
Ion Ratio Lower Upper
92 100
91 175.2 136.7 205.1





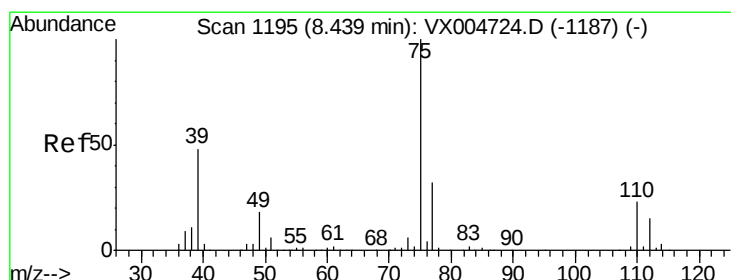
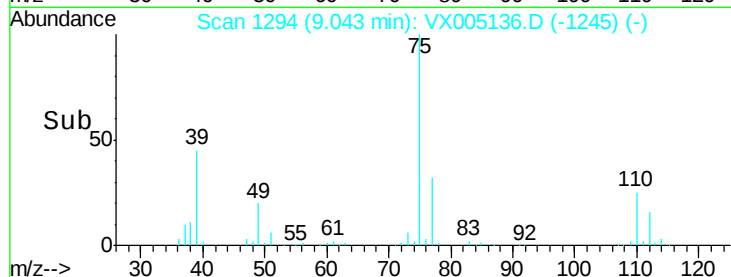
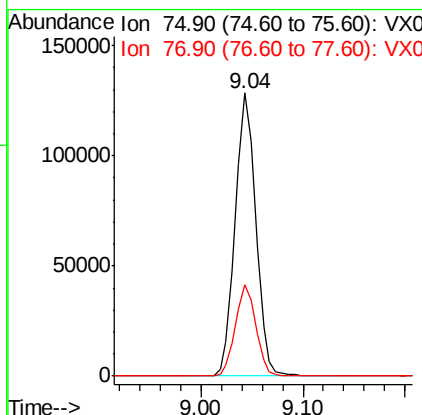
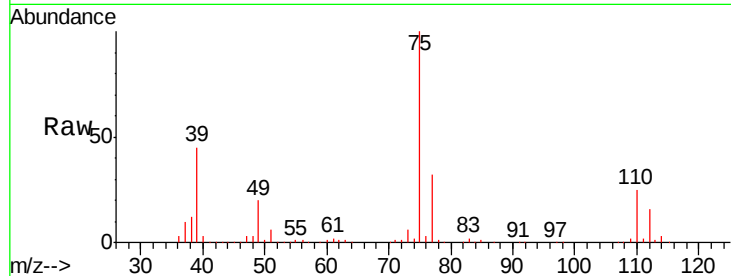
#53
t-1,3-Dichloropropene
Concen: 51.27 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion: 75 Resp: 179261
Ion Ratio Lower Upper
75 100
77 32.1 28.9 43.3

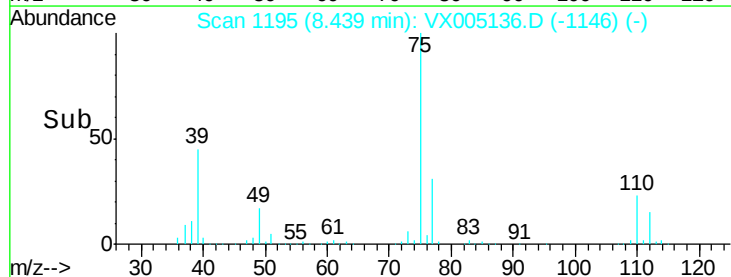
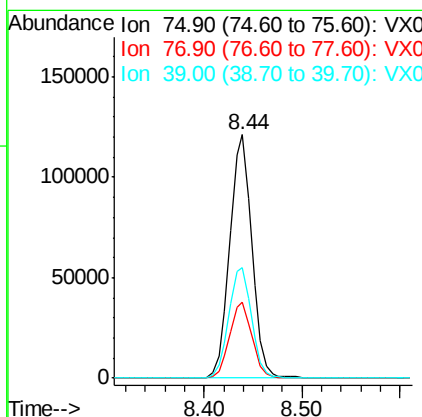
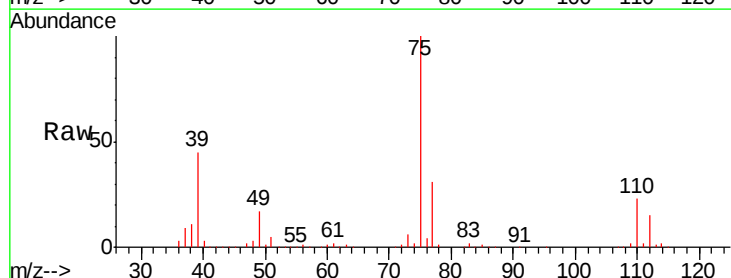
Manual Integrations
APPROVED

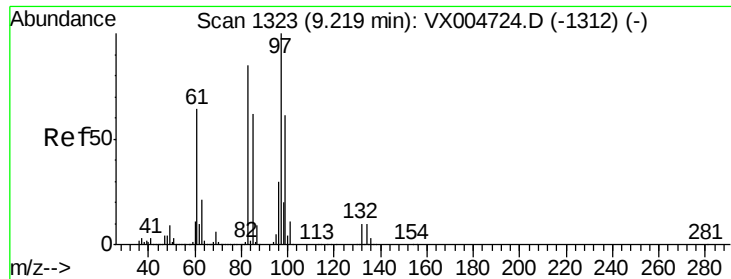
MMDadoda
10/9/2018 1:47:51 PM



#54
cis-1,3-Dichloropropene
Concen: 51.92 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion: 75 Resp: 190149
Ion Ratio Lower Upper
75 100
77 31.1 25.7 38.5
39 45.2 38.3 57.5





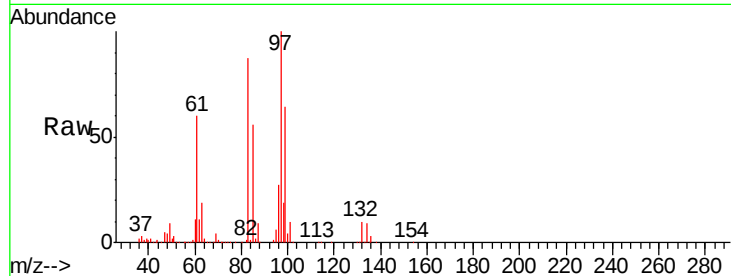
#55
 1,1,2-Trichloroethane
 Concen: 51.07 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-125D2-2018001MSD

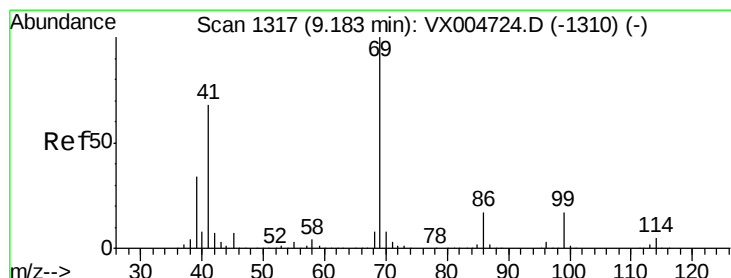
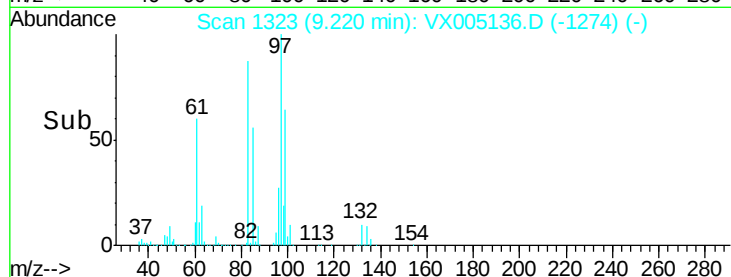
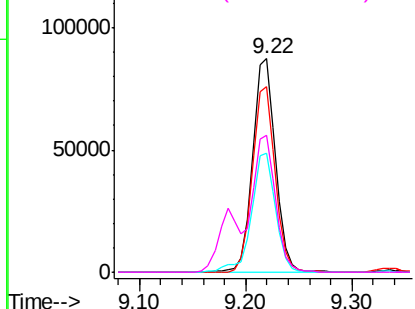
Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.2	102.2
85	56.0	49.9	74.9
99	63.9	48.9	73.3

Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:51 PM

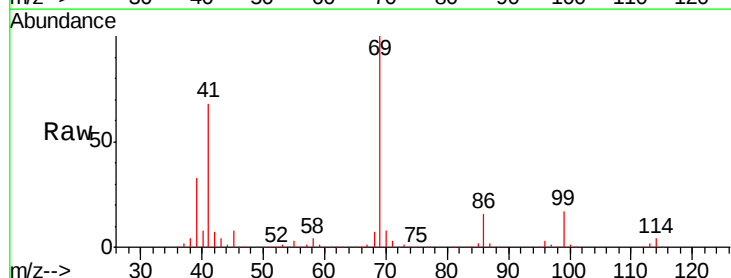


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

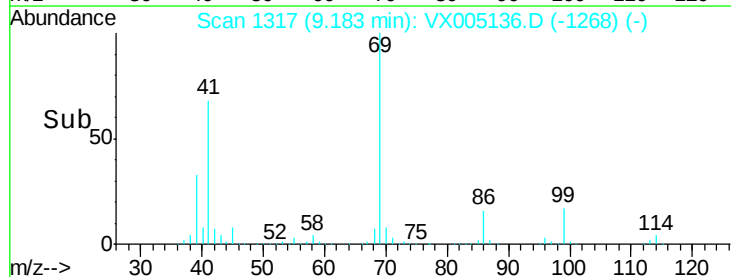
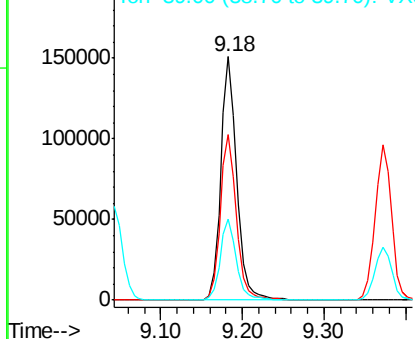


#56
 Ethyl methacrylate
 Concen: 49.23 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.0	56.9	85.3
39	33.7	28.4	42.6



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





#57

1,3-Dichloropropane

Concen: 51.10 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion: 76 Resp: 219489

Ion Ratio Lower Upper

76 100

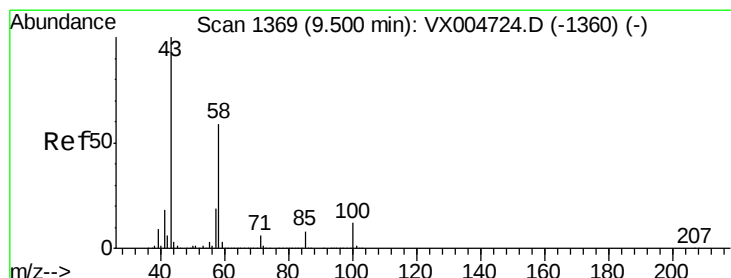
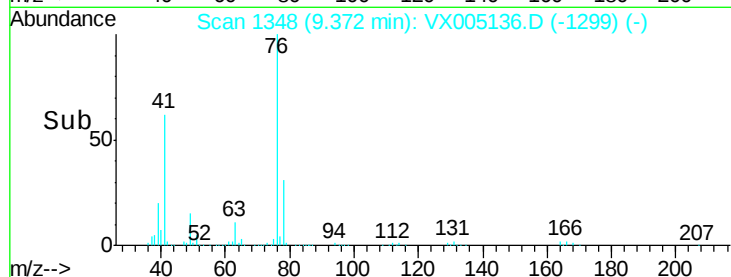
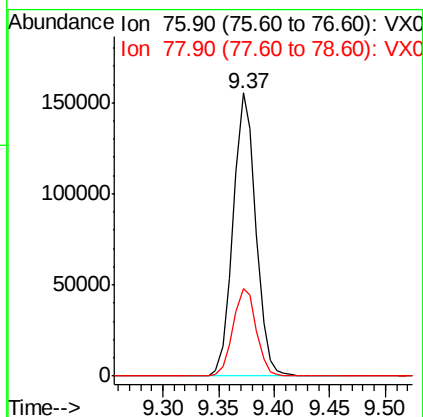
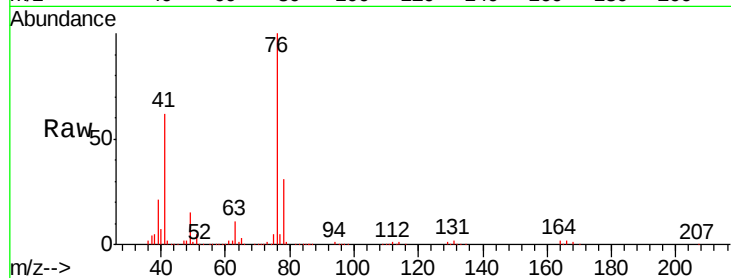
78 31.8 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

10/9/2018 1:47:51 PM



#59

2-Hexanone

Concen: 270.86 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VX005136.D

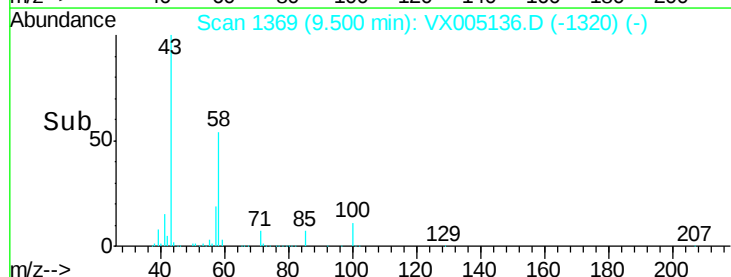
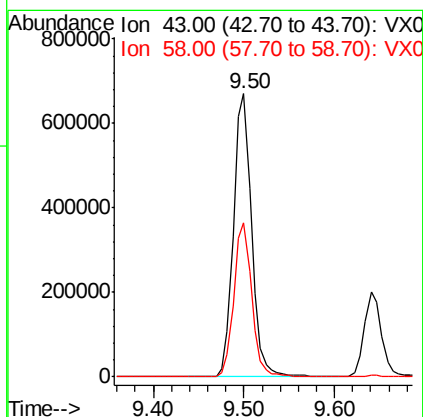
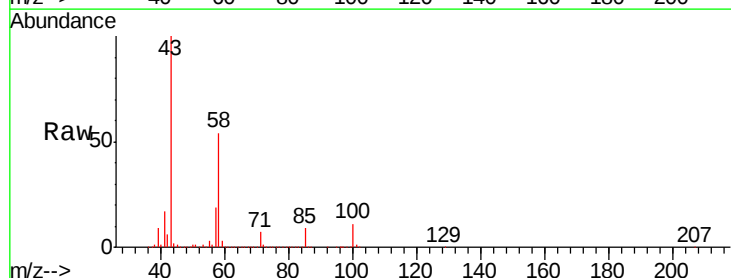
Acq: 08 Oct 2018 19:09

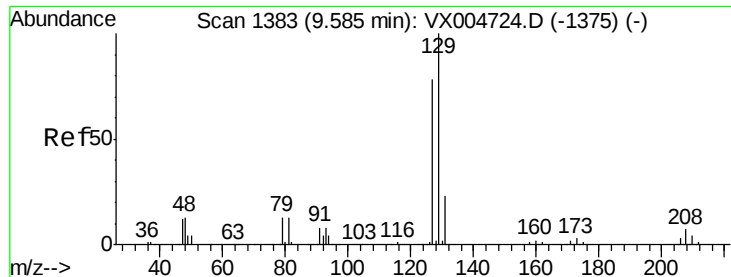
Tgt Ion: 43 Resp: 932614

Ion Ratio Lower Upper

43 100

58 53.7 28.4 85.3





#60

Dibromochloromethane

Concen: 53.00 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion:129 Resp: 136806

Ion Ratio Lower Upper

129 100

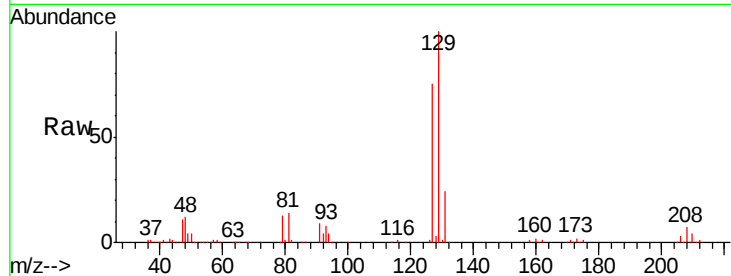
127 76.6 39.1 117.2

Manual Integrations

APPROVED

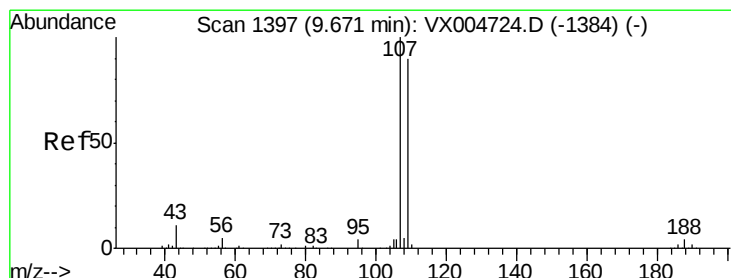
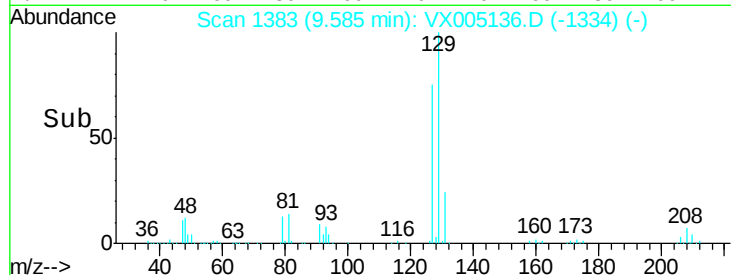
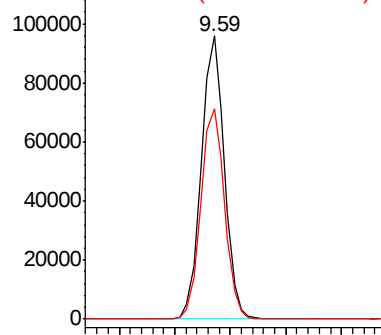
MMDadoda

10/9/2018 1:47:51 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.18 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005136.D

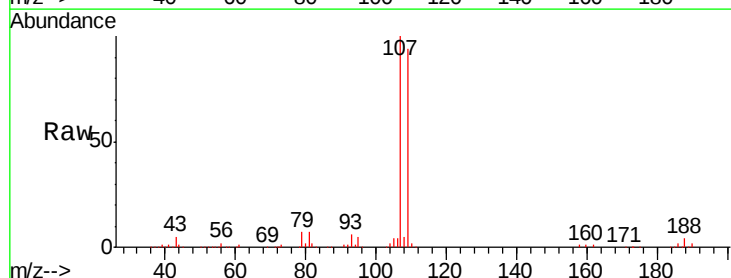
Acq: 08 Oct 2018 19:09

Tgt Ion:107 Resp: 133182

Ion Ratio Lower Upper

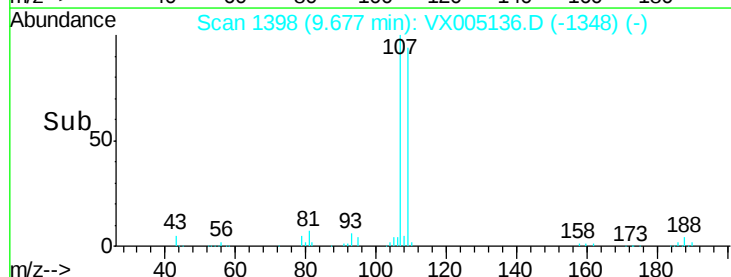
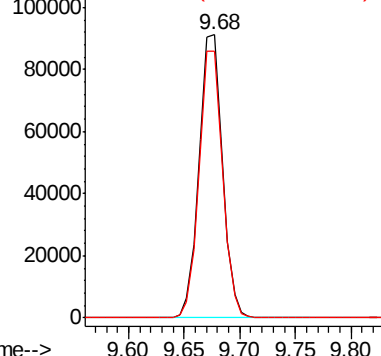
107 100

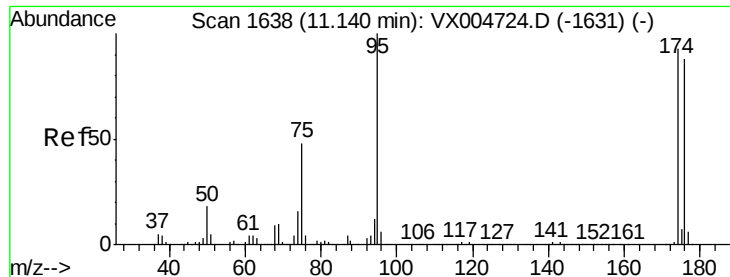
109 94.7 72.1 108.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





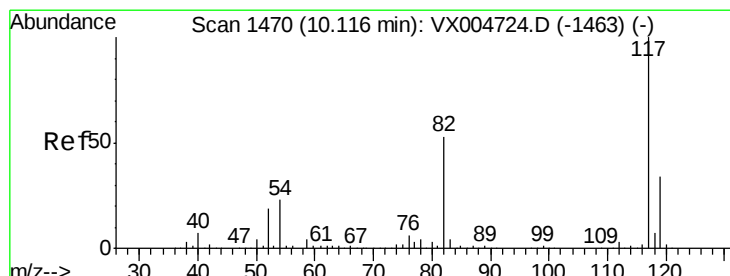
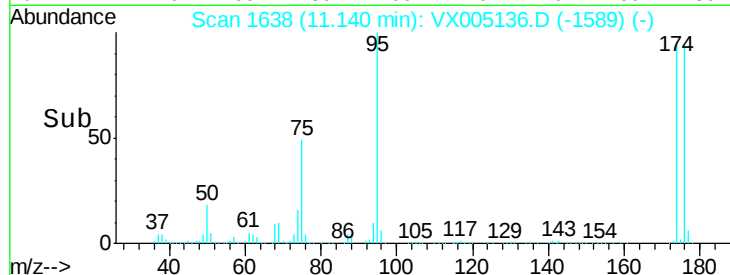
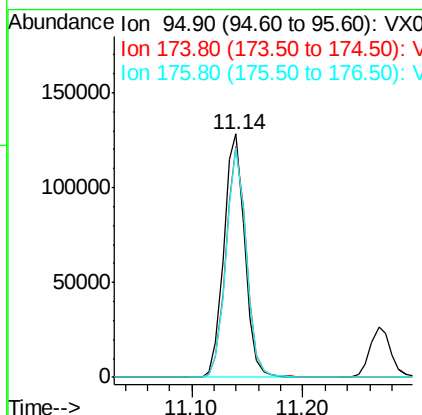
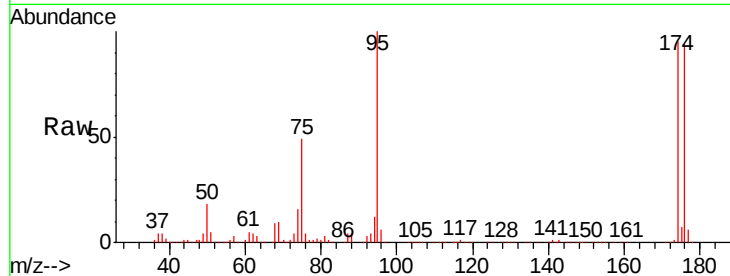
#62
4-Bromofluorobenzene
Concen: 55.45 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	166703		
174	92.2	0.0	185.0	
176	90.7	0.0	180.2	

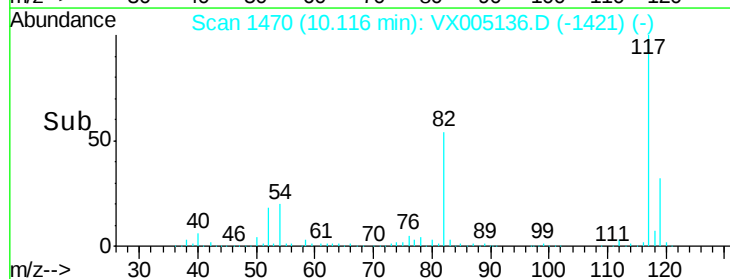
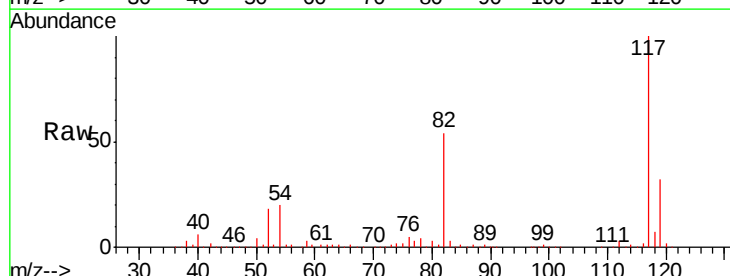
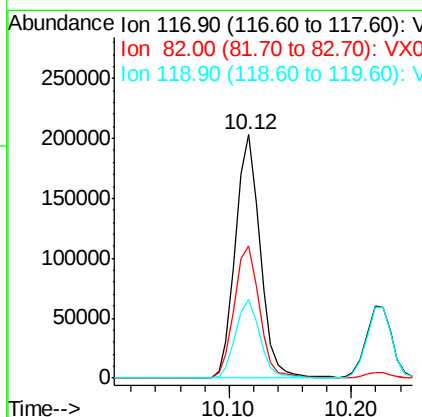
Manual Integrations
APPROVED

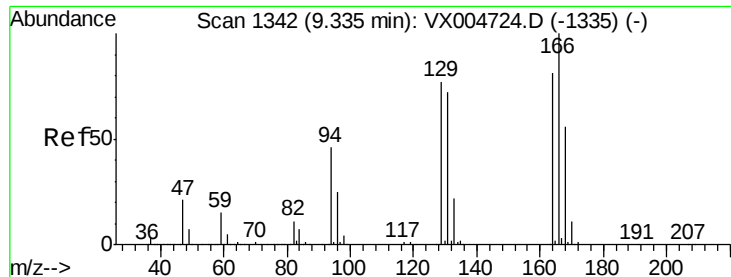
MMDadoda
10/9/2018 1:47:51 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	284395		
82	54.4	42.2	63.4	
119	32.2	27.4	41.0	





#64

Tetrachloroethene

Concen: 45.41 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX005136.D

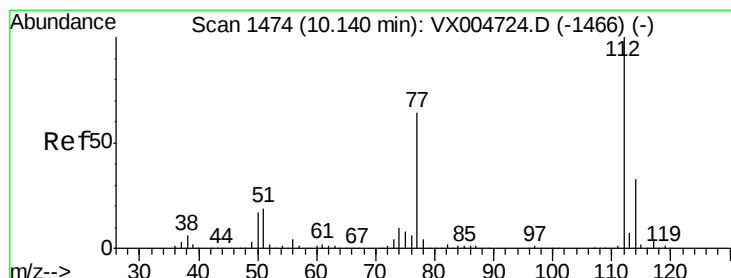
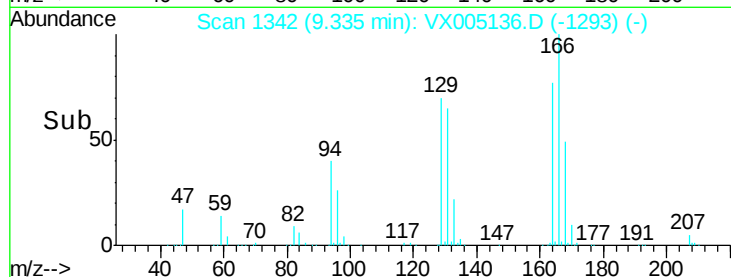
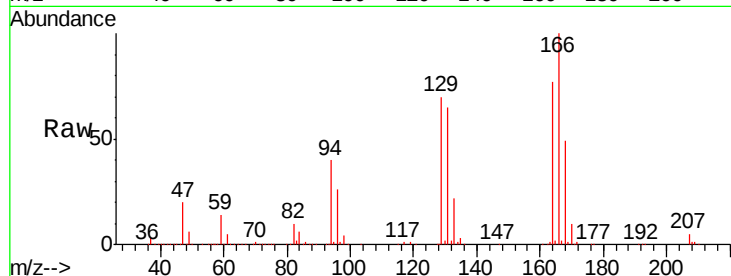
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	127119		
166	130.5	98.4	147.6	
129	91.0	76.1	114.1	
131	84.7	71.0	106.4	

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#65

Chlorobenzene

Concen: 47.34 ug/l

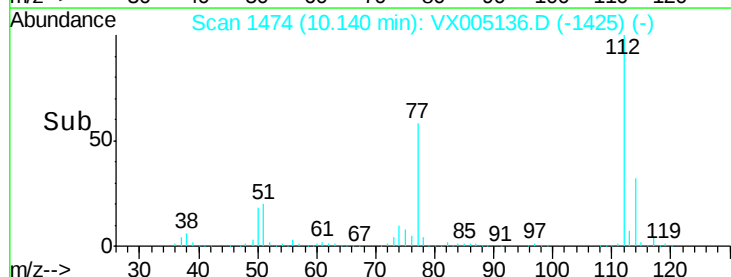
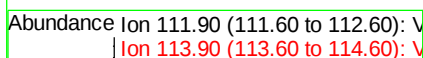
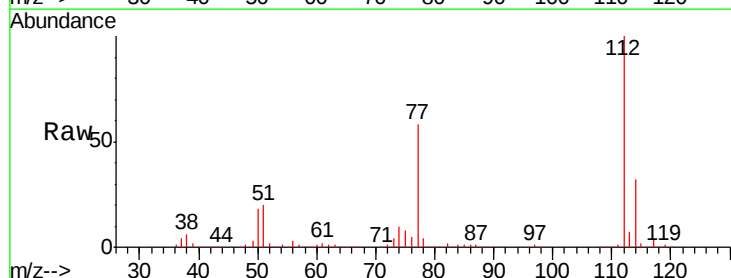
RT: 10.14 min Scan# 1474

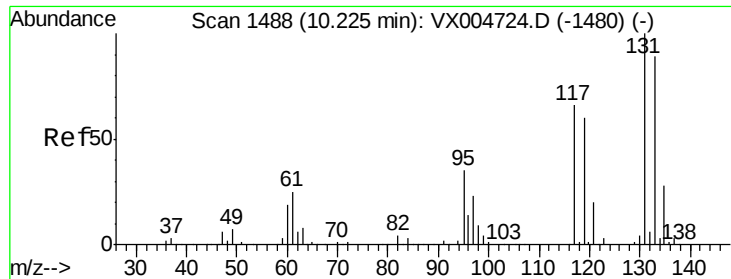
Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	345221		
114	32.2	26.7	40.1	





#66

1,1,1,2-Tetrachloroethane

Concen: 50.55 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

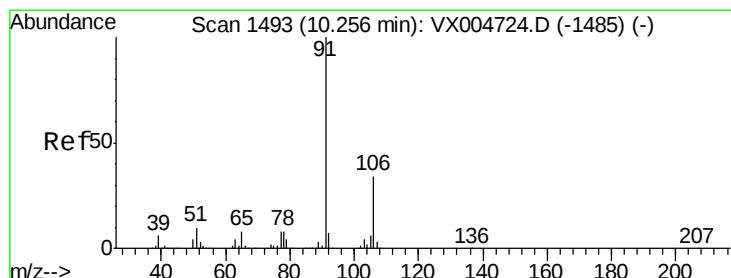
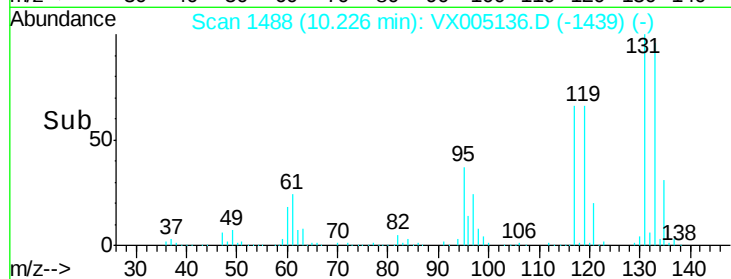
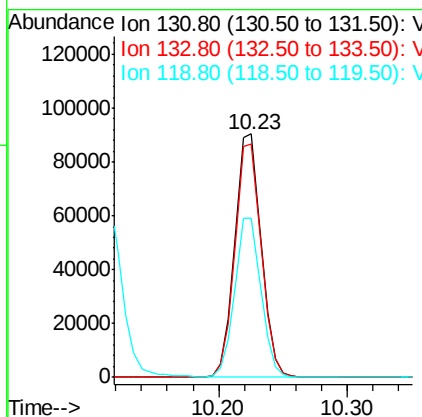
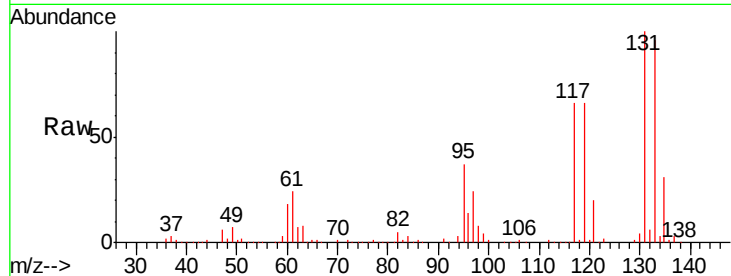
ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion:	131	Resp:	129612
Ion Ratio	Lower	Upper	
131	100		
133	96.0	48.4	145.0
119	64.9	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#67

Ethyl Benzene

Concen: 50.75 ug/l

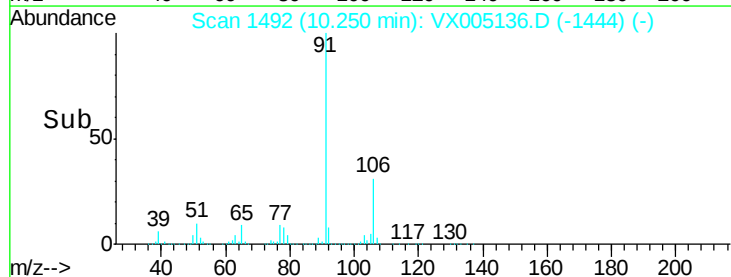
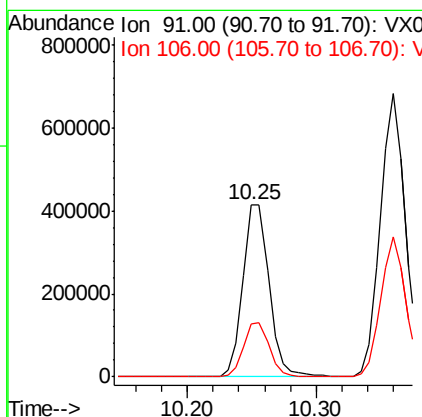
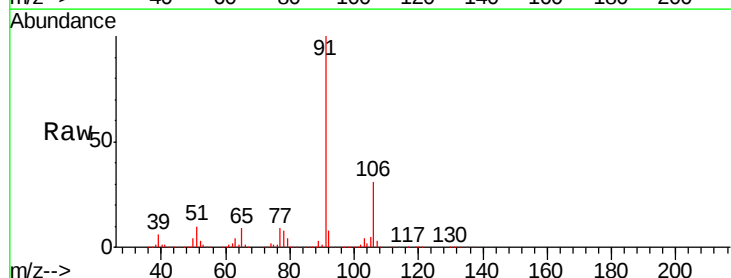
RT: 10.25 min Scan# 1492

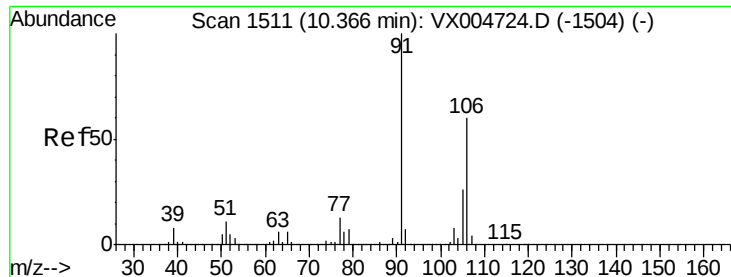
Delta R.T. -0.01 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion:	91	Resp:	587580
Ion Ratio	Lower	Upper	
91	100		
106	30.7	26.9	40.3





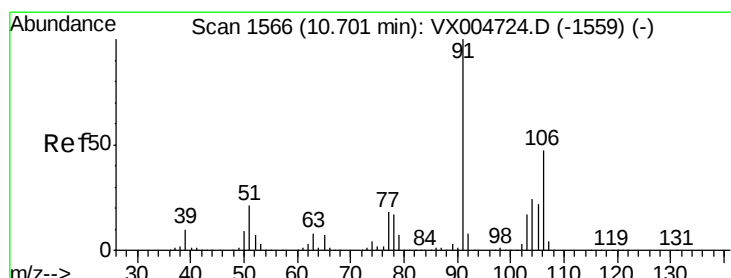
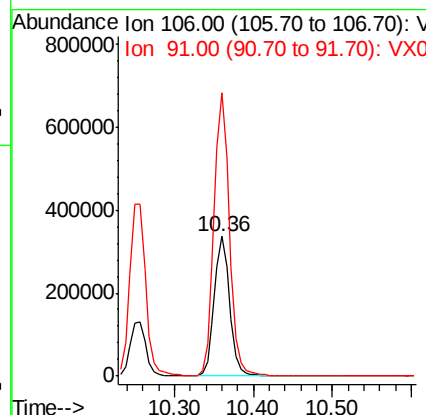
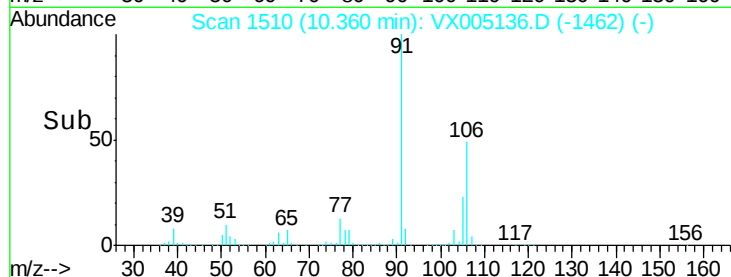
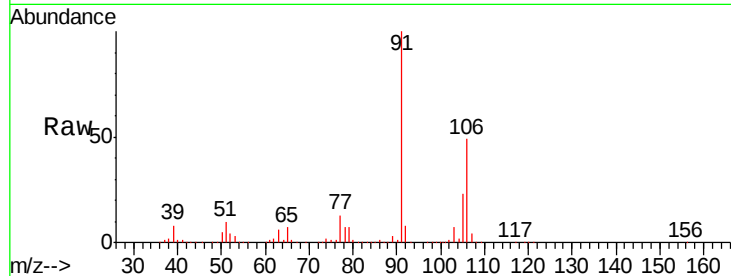
#68
m/p-Xylenes
Concen: 101.30 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:106 Resp: 458307
Ion Ratio Lower Upper
106 100
91 203.7 157.5 236.3

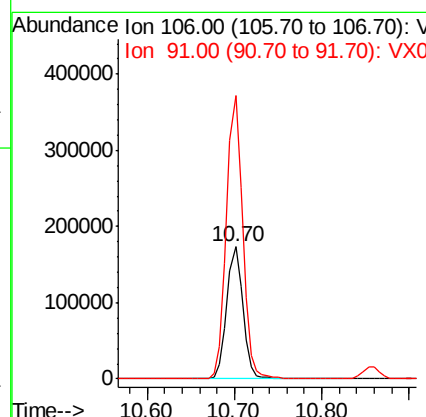
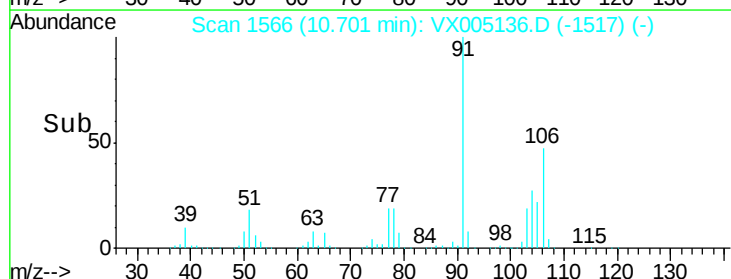
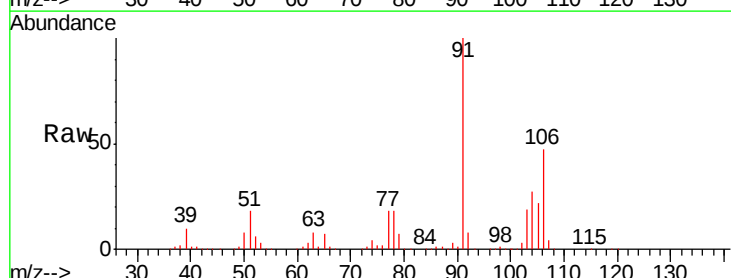
Manual Integrations
APPROVED

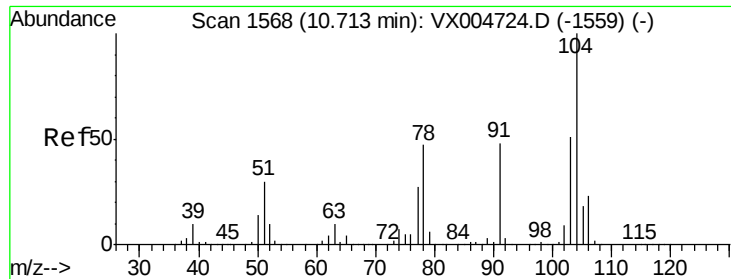
MMDadoda
10/9/2018 1:47:51 PM



#69
o-Xylene
Concen: 53.37 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion:106 Resp: 221780
Ion Ratio Lower Upper
106 100
91 215.4 108.3 324.8





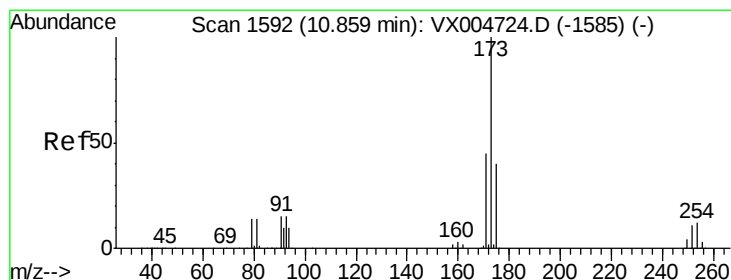
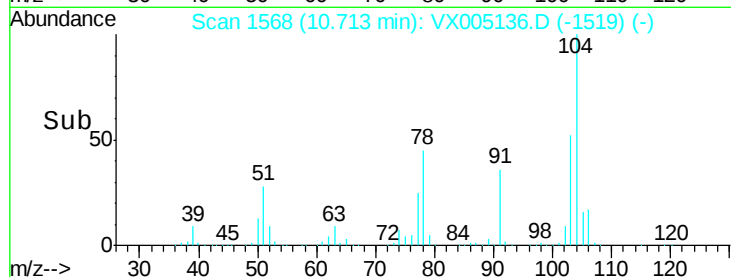
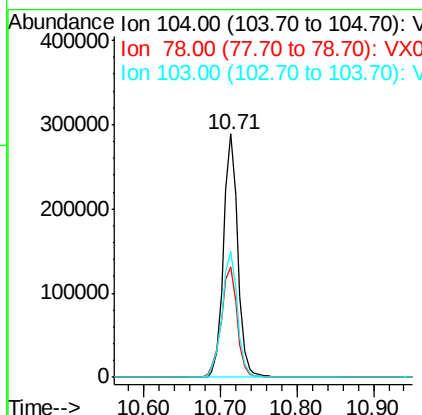
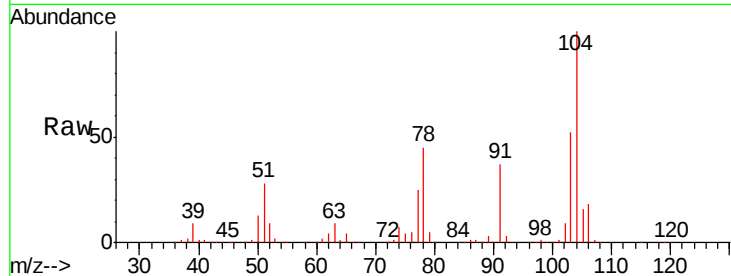
#70
Styrene
Concen: 48.17 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.5	40.0	60.0
103	56.4	44.3	66.5

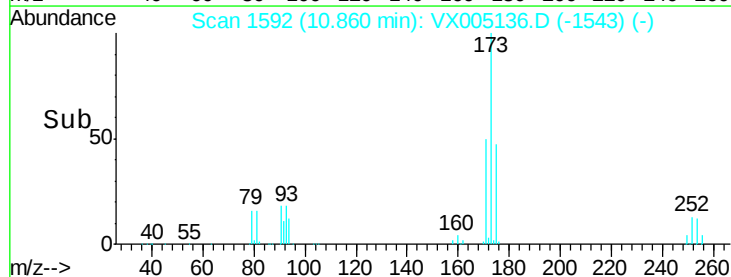
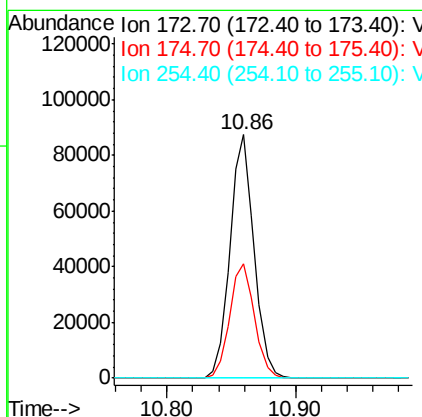
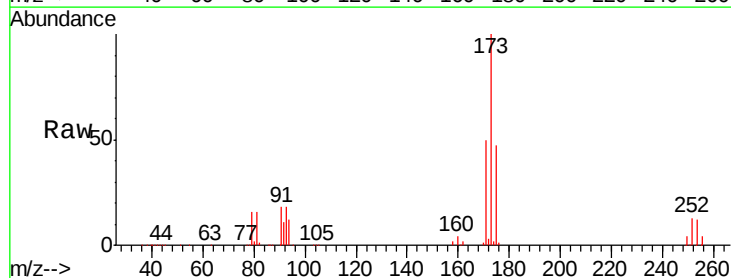
Manual Integrations
APPROVED

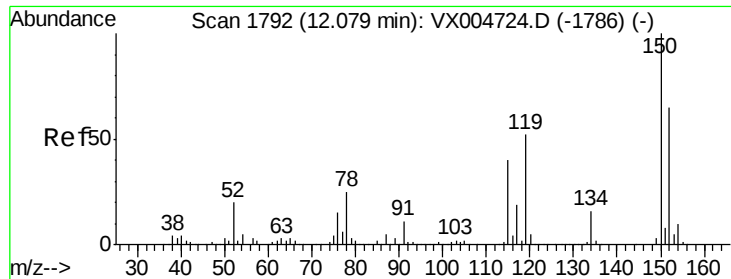
MMDadoda
10/9/2018 1:47:51 PM



#71
Bromoform
Concen: 51.91 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.3	69.8
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

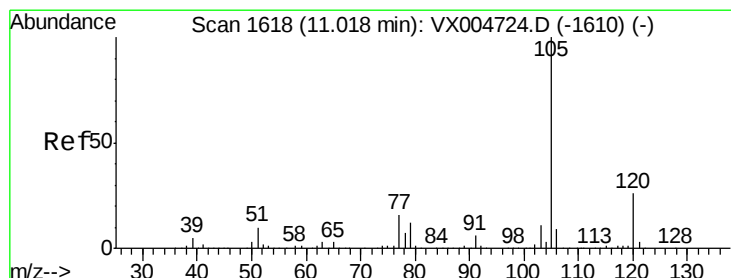
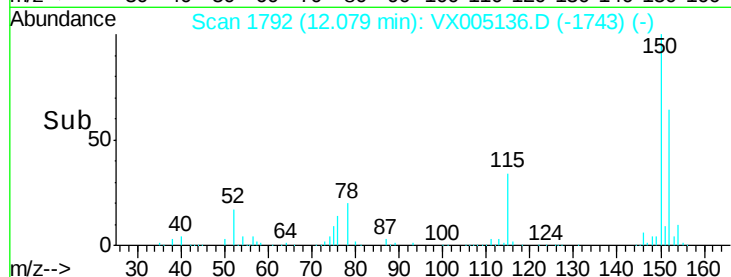
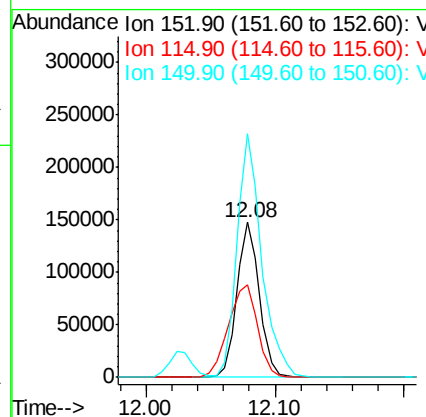
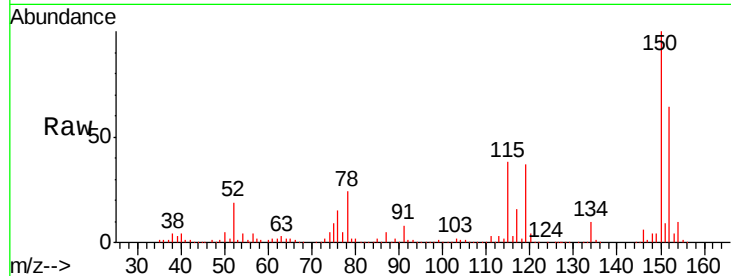
ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion:	152	Resp:	178844
Ion Ratio	Lower	Upper	
152	100		
115	78.1	40.2	120.6
150	173.3	0.0	351.0

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#73

Isopropylbenzene

Concen: 53.61 ug/l

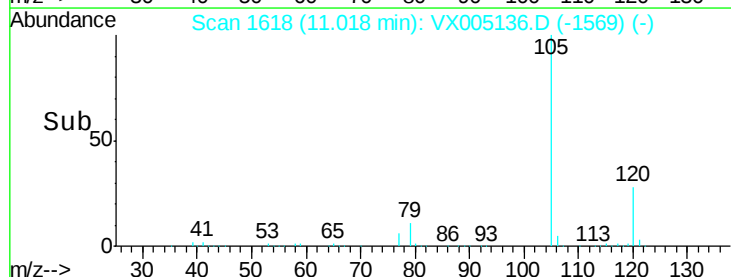
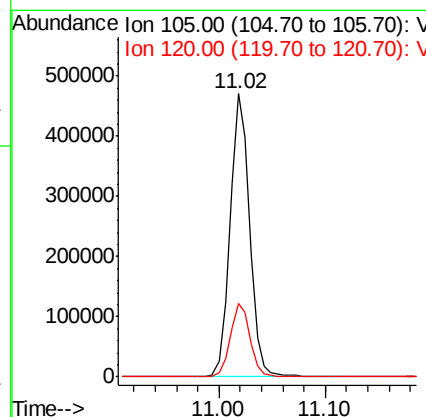
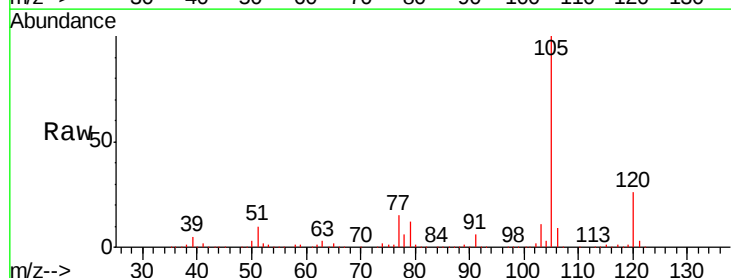
RT: 11.02 min Scan# 1618

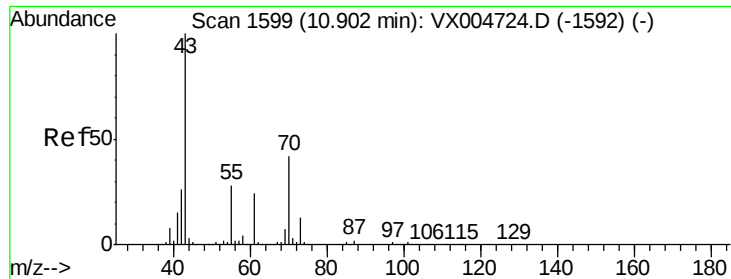
Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion:	105	Resp:	604390
Ion Ratio	Lower	Upper	
105	100		
120	26.3	13.2	39.5





#74

N-ethyl acetate

Concen: 42.31 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

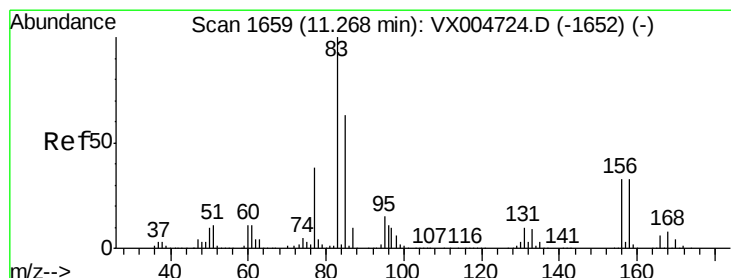
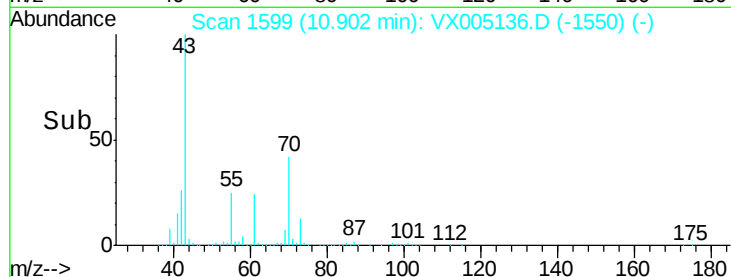
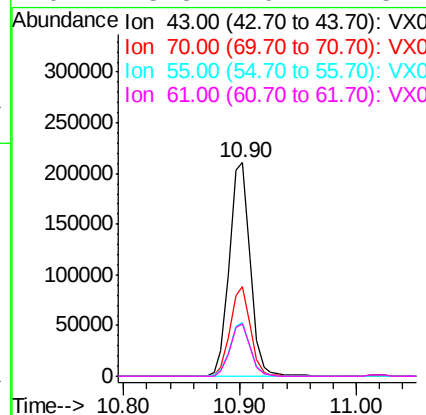
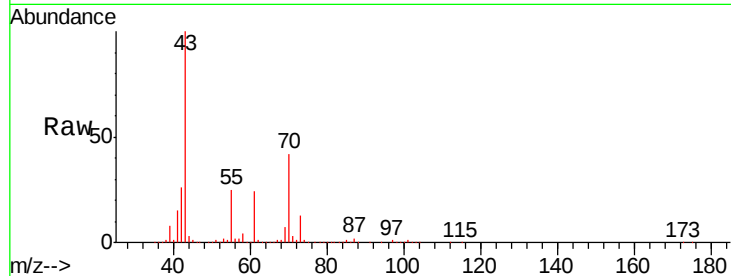
ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		260410		
70	41.0	32.6	48.8		
55	25.1	21.6	32.4		
61	23.8	19.1	28.7		

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:51 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 47.73 ug/l

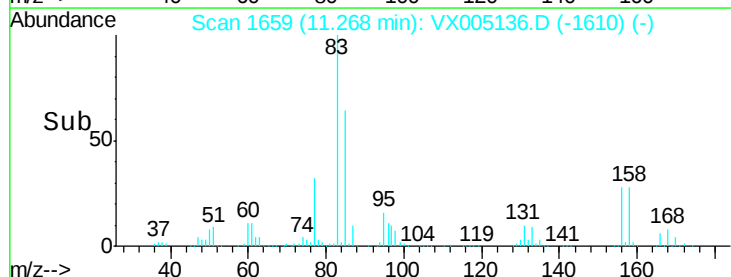
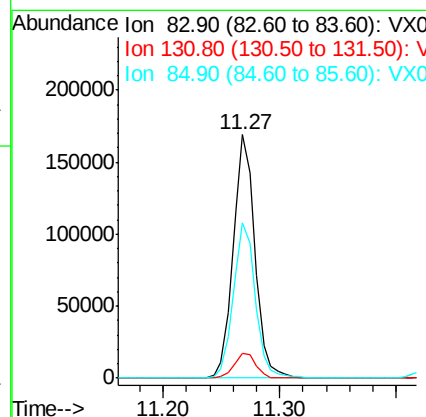
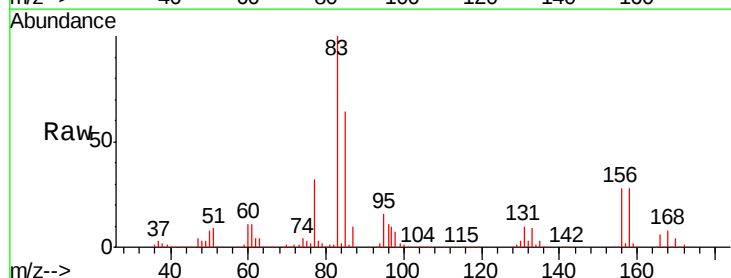
RT: 11.27 min Scan# 1659

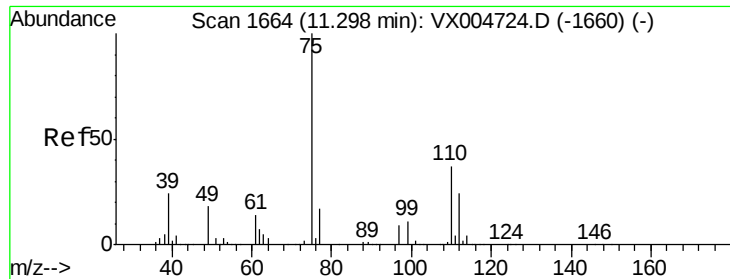
Delta R.T. 0.00 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		219015		
131	10.4	5.1	15.3		
85	64.7	31.9	95.9		





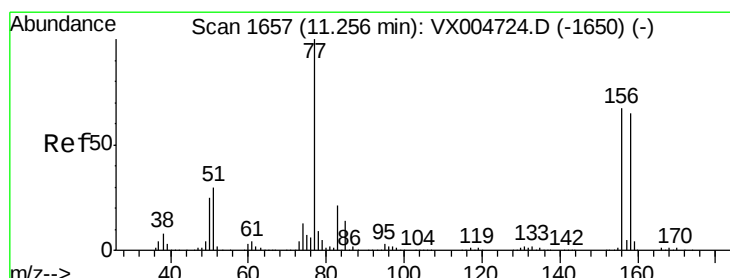
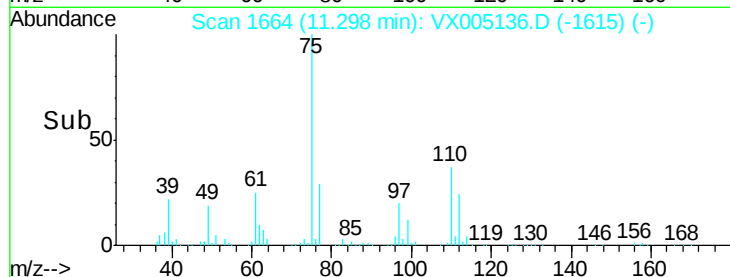
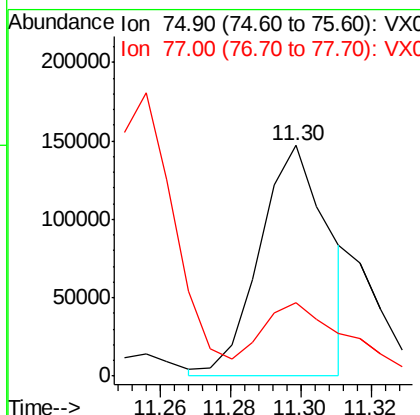
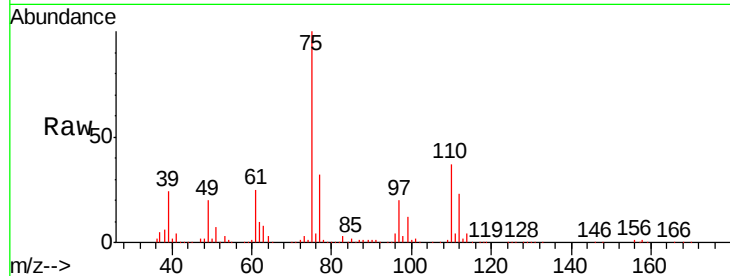
#76
1,2,3-Trichloropropane
Concen: 49.80 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion: 75 Resp: 199609
Ion Ratio Lower Upper
75 100
77 39.7 21.4 64.3

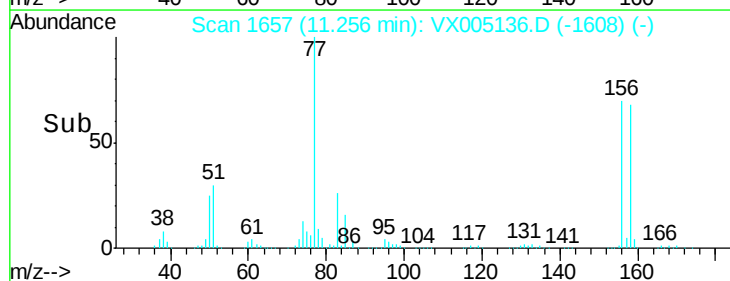
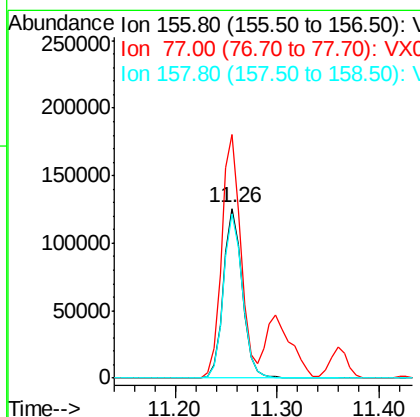
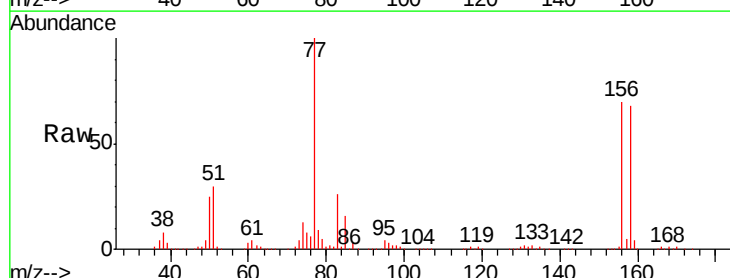
Manual Integrations
APPROVED

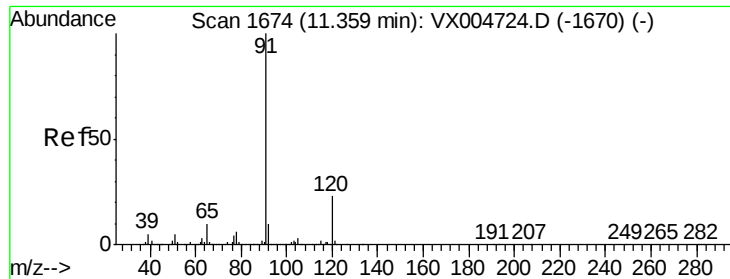
MMDadoda
10/9/2018 1:47:51 PM



#77
Bromobenzene
Concen: 49.25 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion: 156 Resp: 161259
Ion Ratio Lower Upper
156 100
77 146.8 73.4 220.2
158 98.0 49.1 147.4





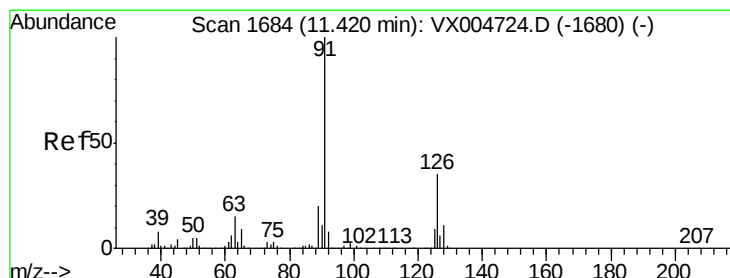
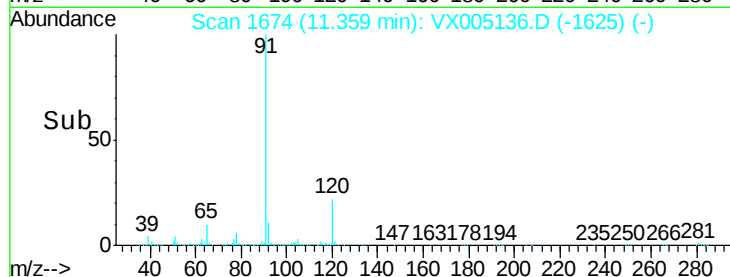
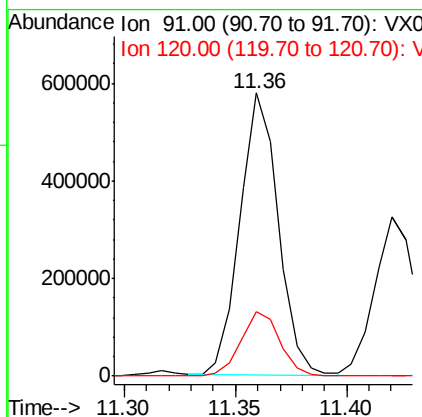
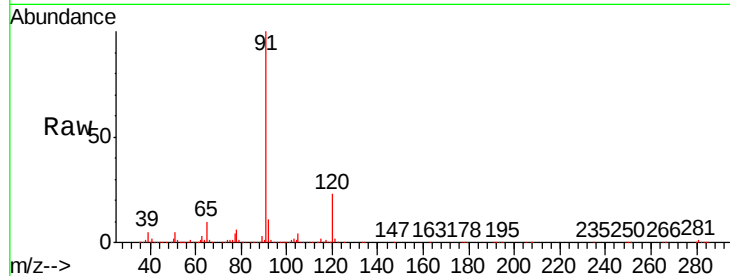
#78
n-propylbenzene
Concen: 53.65 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion: 91 Resp: 693906
Ion Ratio Lower Upper
91 100
120 23.6 12.0 36.0

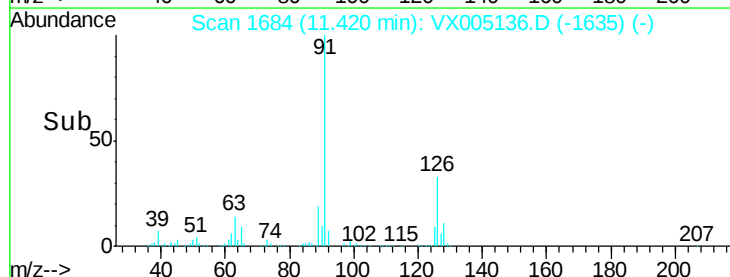
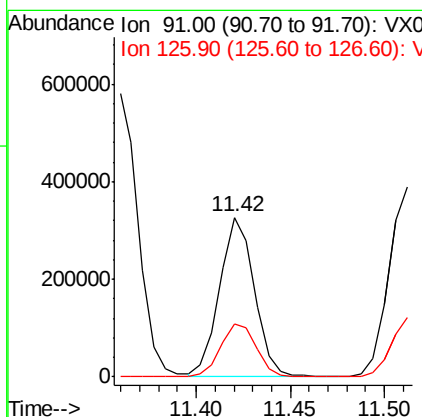
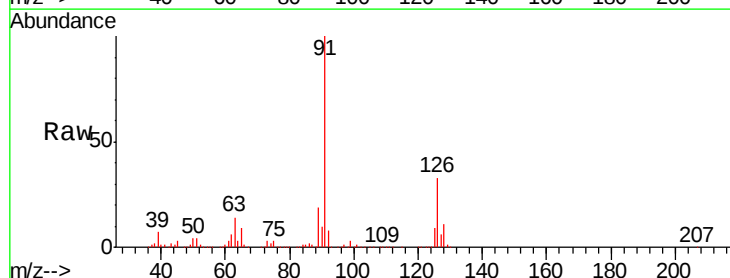
Manual Integrations
APPROVED

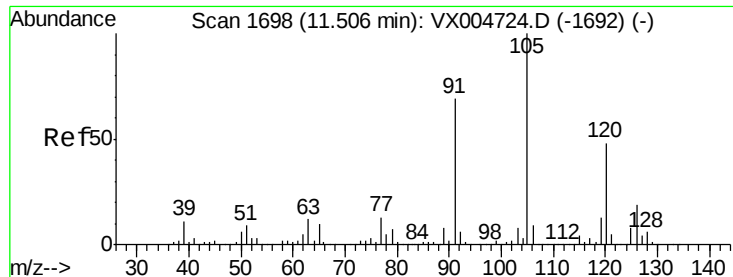
MMDadoda
10/9/2018 1:47:51 PM



#79
2-Chlorotoluene
Concen: 51.38 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion: 91 Resp: 414242
Ion Ratio Lower Upper
91 100
126 34.9 17.6 52.9





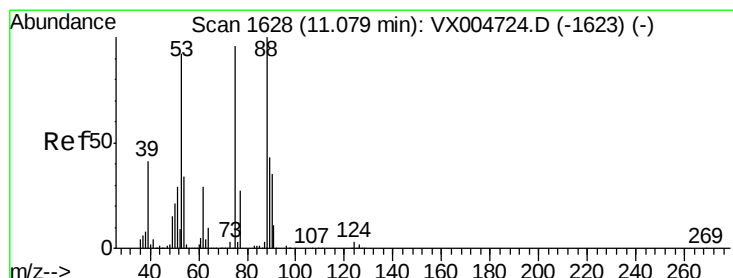
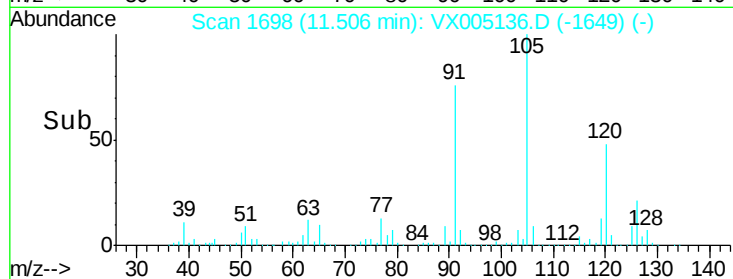
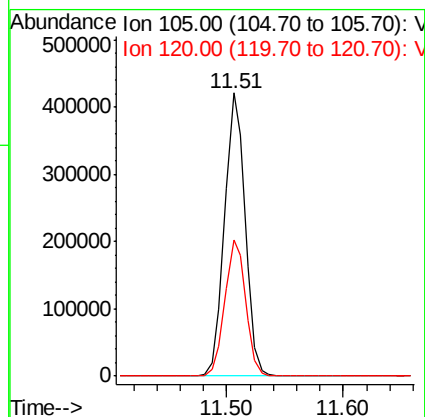
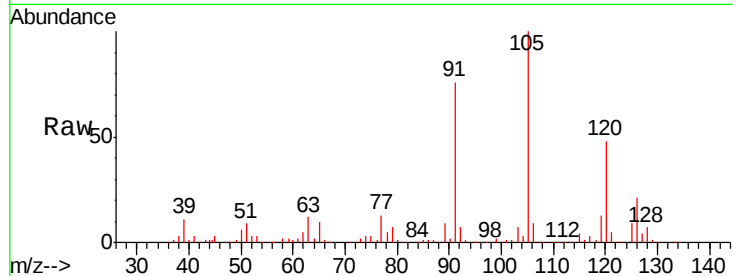
#80
 1,3,5-Trimethylbenzene
 Concen: 49.64 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-125D2-2018001MSD

Tgt Ion: 105 Resp: 512877
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.8

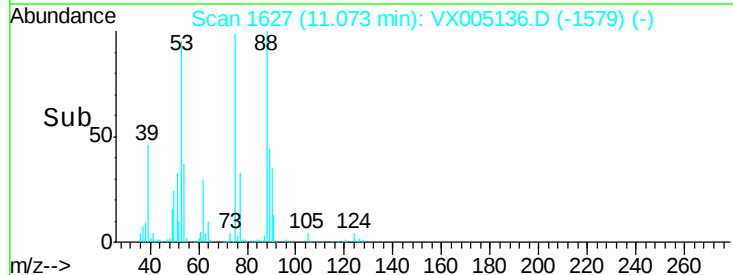
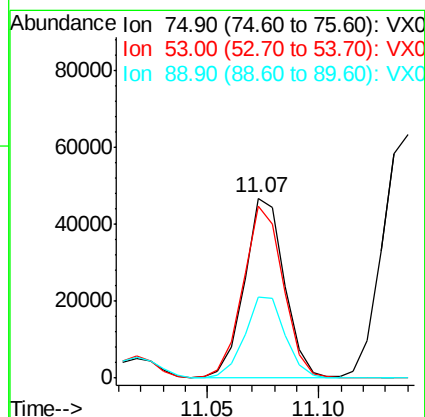
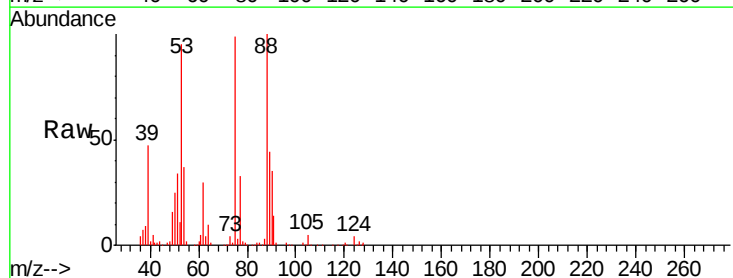
Manual Integrations
 APPROVED

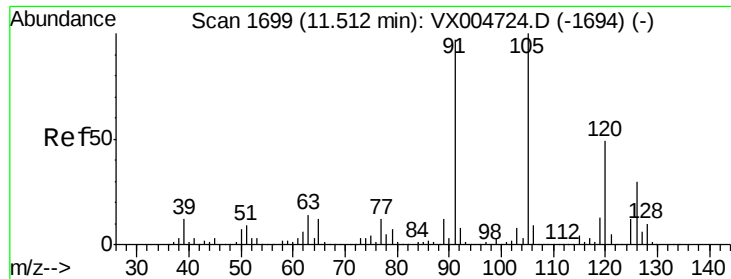
MMDadoda
 10/9/2018 1:47:51 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 39.79 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Tgt Ion: 75 Resp: 57863
 Ion Ratio Lower Upper
 75 100
 53 96.7 80.2 120.4
 89 46.4 37.1 55.7





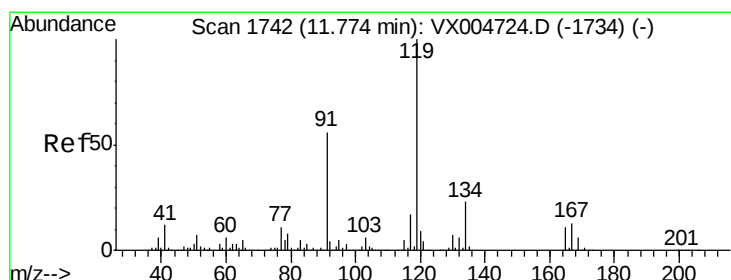
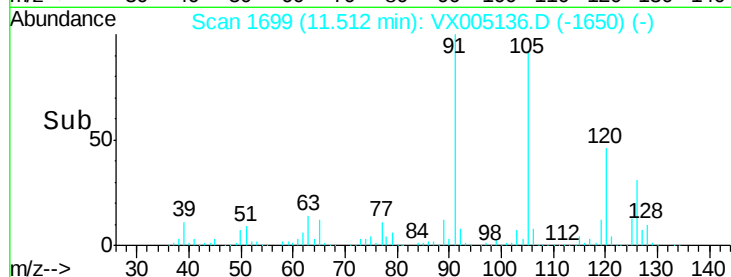
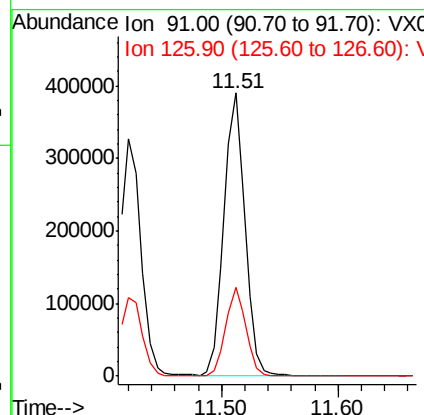
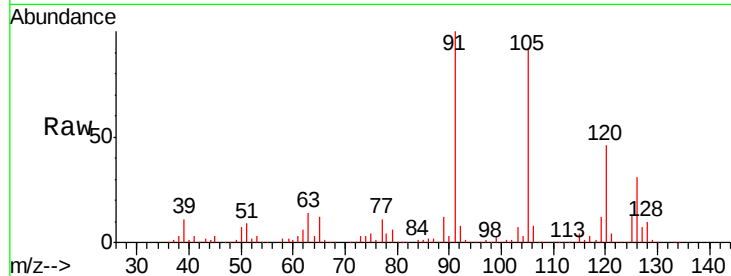
#82
4-Chlorotoluene
Concen: 51.31 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion: 91 Resp: 486921
Ion Ratio Lower Upper
91 100
126 30.4 15.5 46.5

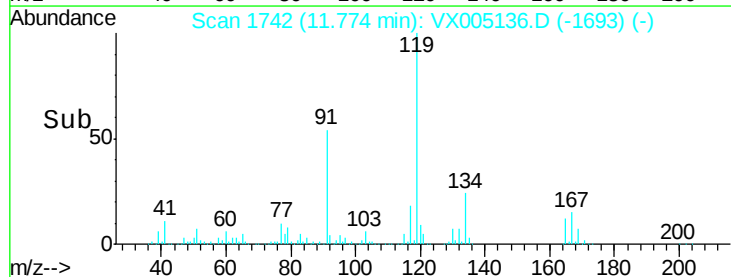
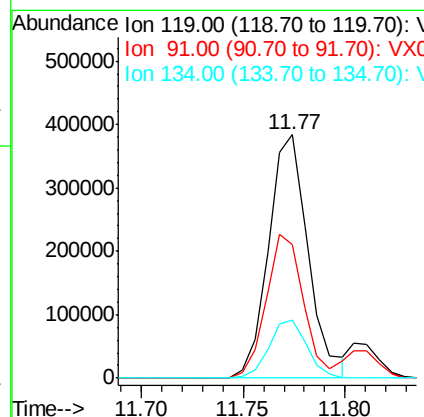
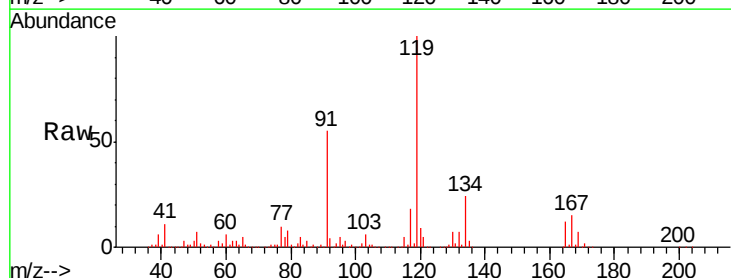
Manual Integrations
APPROVED

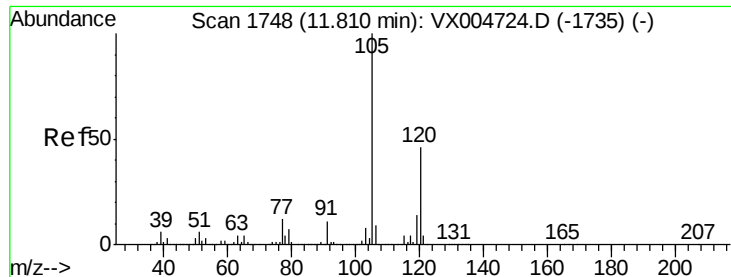
MMDadoda
10/9/2018 1:47:51 PM



#83
tert-Butylbenzene
Concen: 56.00 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion: 119 Resp: 519761
Ion Ratio Lower Upper
119 100
91 55.4 27.5 82.5
134 22.9 11.5 34.4





#84

1,2,4-Trimethylbenzene

Concen: 50.24 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.01 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion:105 Resp: 535300

Ion Ratio Lower Upper

105 100

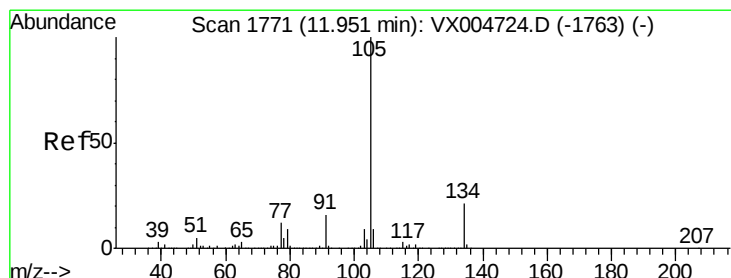
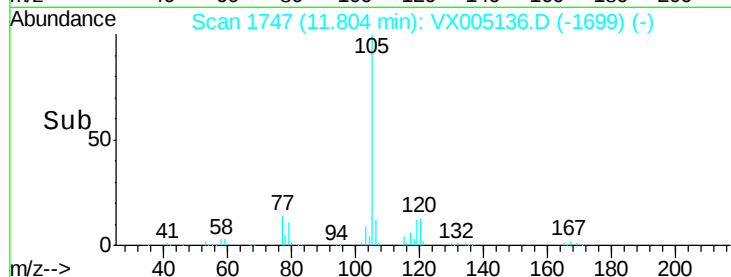
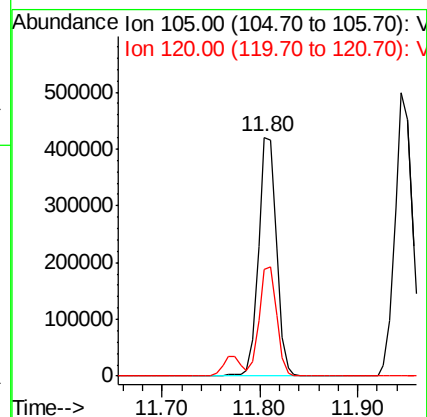
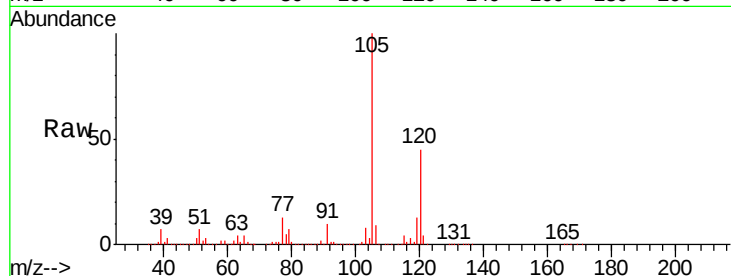
120 44.4 22.8 68.3

Manual Integrations

APPROVED

MMDadoda

10/9/2018 1:47:51 PM



#85

sec-Butylbenzene

Concen: 54.46 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005136.D

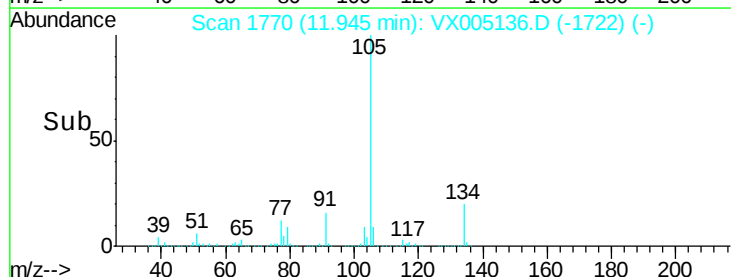
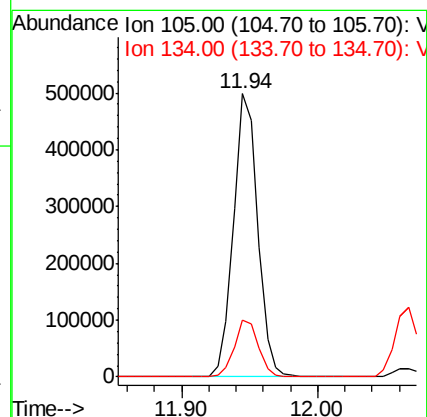
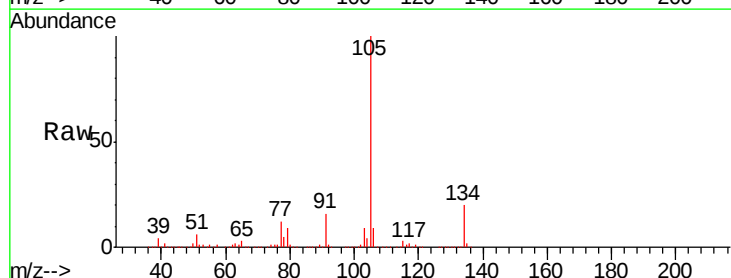
Acq: 08 Oct 2018 19:09

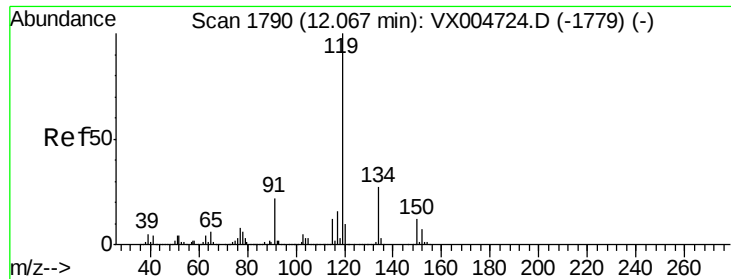
Tgt Ion:105 Resp: 615608

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.4





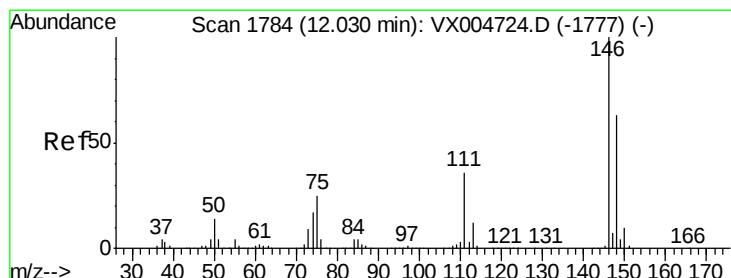
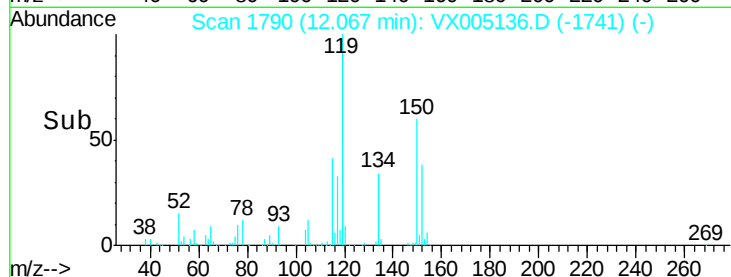
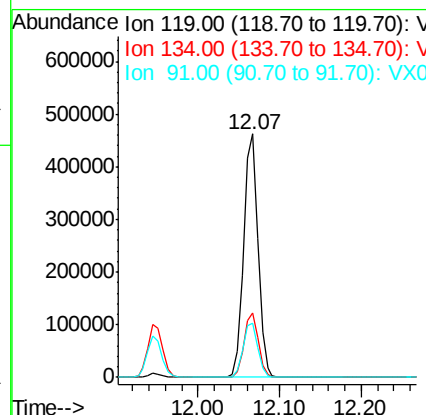
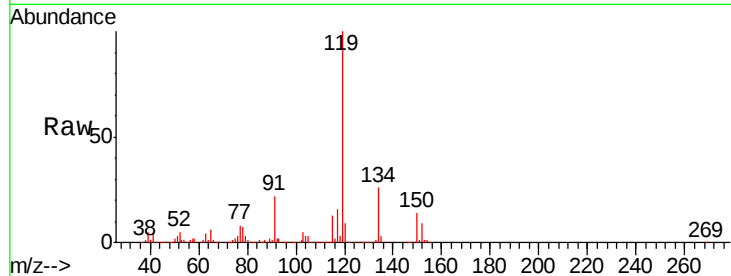
#86
p-Isopropyltoluene
Concen: 53.80 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	551047		
134	26.3	13.4	40.1	
91	22.8	11.5	34.4	

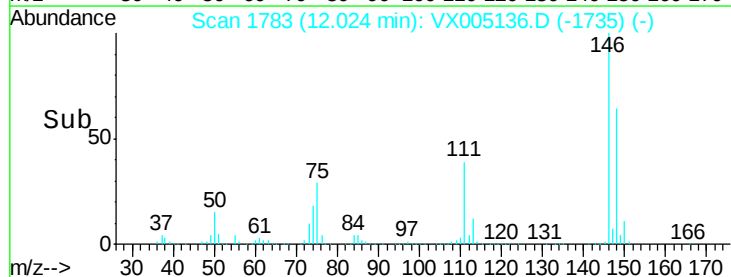
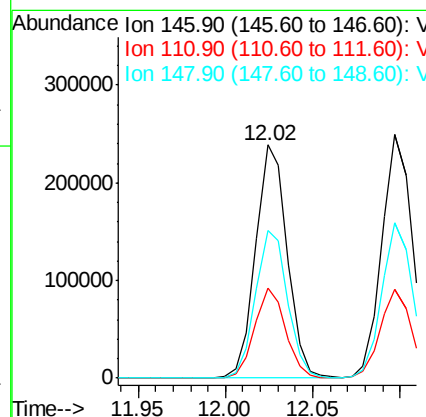
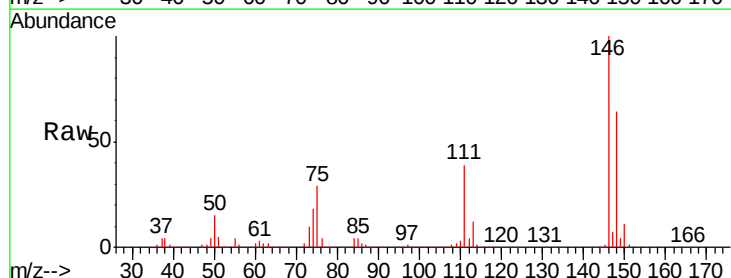
Manual Integrations
APPROVED

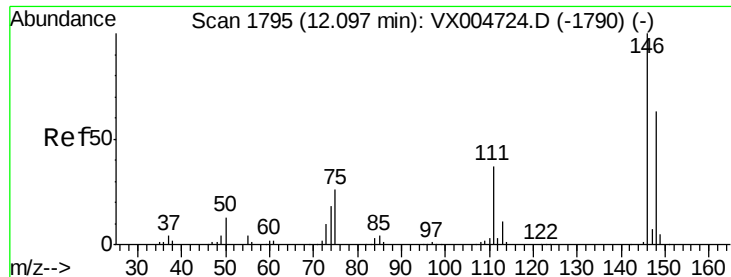
MMDadoda
10/9/2018 1:47:51 PM



#87
1,3-Dichlorobenzene
Concen: 49.05 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.01 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	299912		
111	38.0	18.9	56.9	
148	64.5	31.8	95.3	





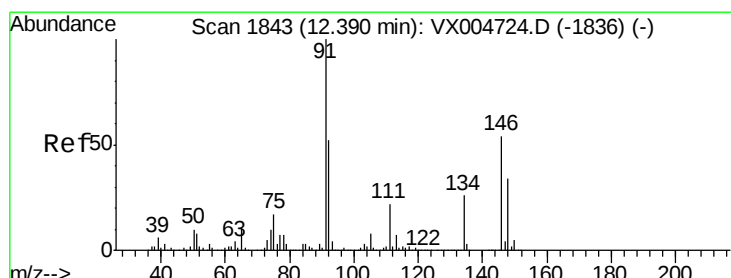
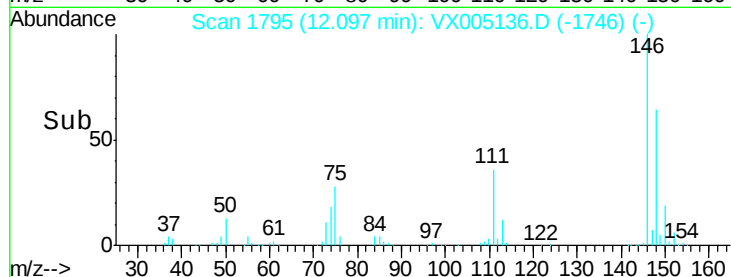
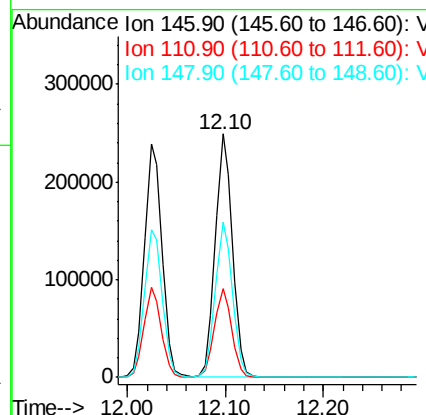
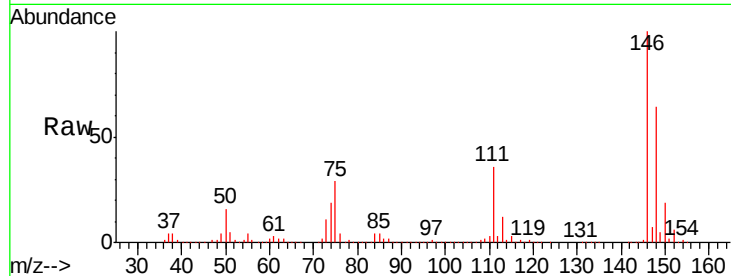
#88
 1,4-Dichlorobenzene
 Concen: 48.44 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-125D2-2018001MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.2
148	63.8	32.0	96.0

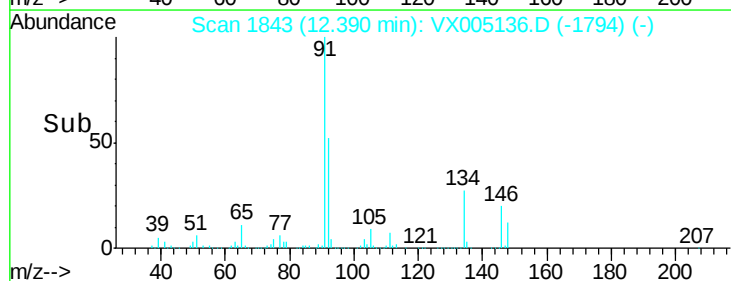
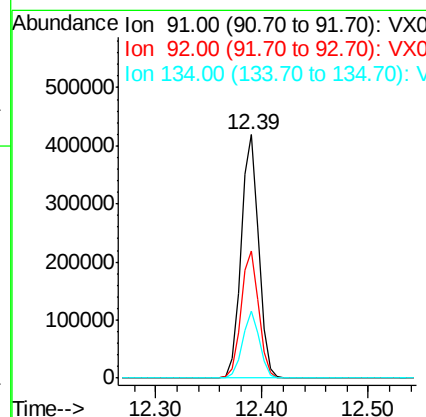
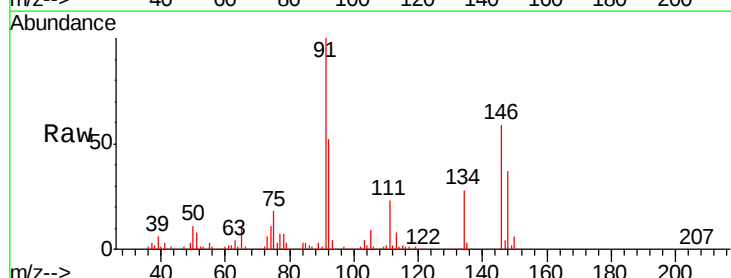
Manual Integrations
 APPROVED

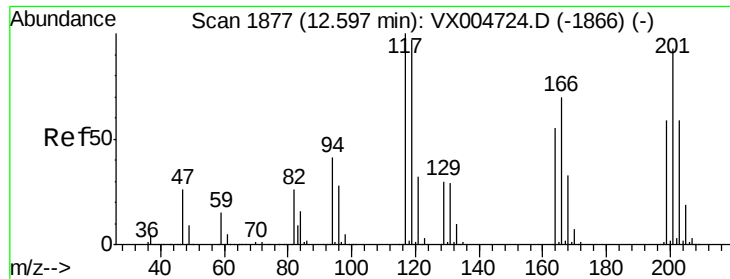
MMDadoda
 10/9/2018 1:47:51 PM



#89
 n-Butylbenzene
 Concen: 51.90 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	26.7	13.2	39.6





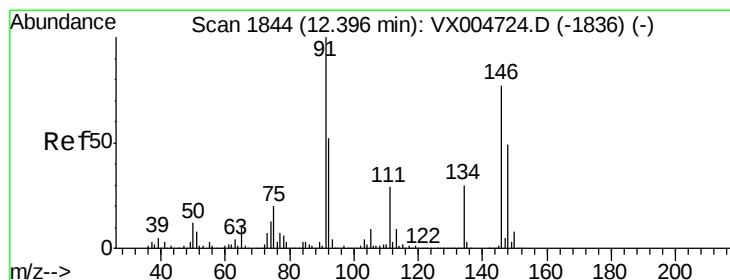
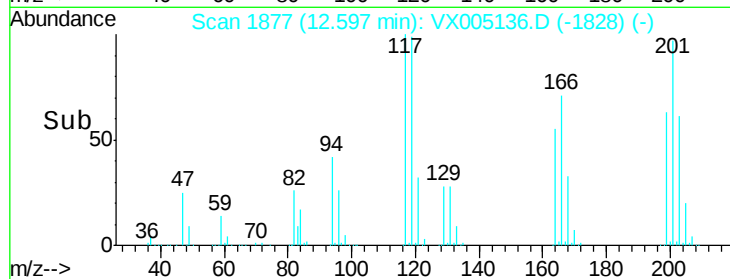
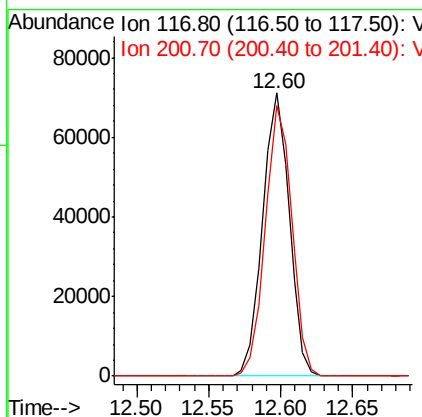
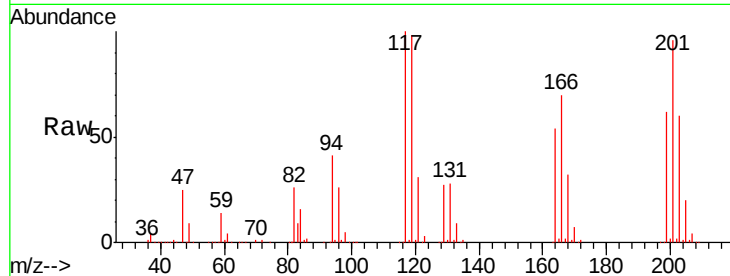
#90
Hexachloroethane
Concen: 53.27 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Instrument :
MSVOA_X
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:117 Resp: 90841
Ion Ratio Lower Upper
117 100
201 96.0 48.4 145.0

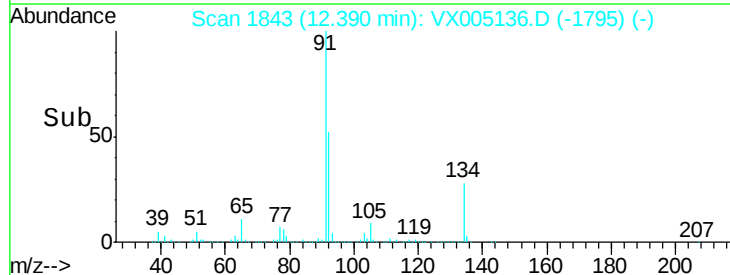
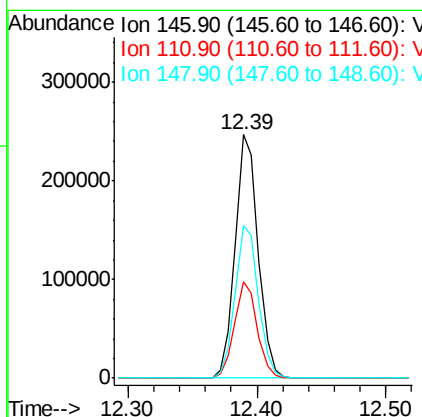
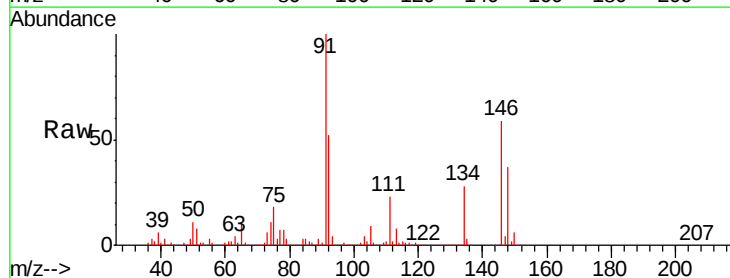
Manual Integrations
APPROVED

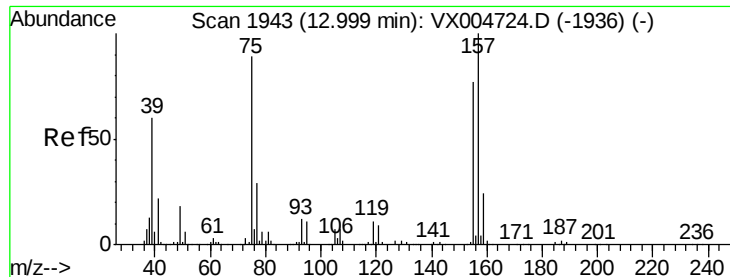
MMDadoda
10/9/2018 1:47:51 PM



#91
1,2-Dichlorobenzene
Concen: 48.15 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VX005136.D
Acq: 08 Oct 2018 19:09

Tgt Ion:146 Resp: 307672
Ion Ratio Lower Upper
146 100
111 39.1 19.6 58.7
148 63.6 31.8 95.4





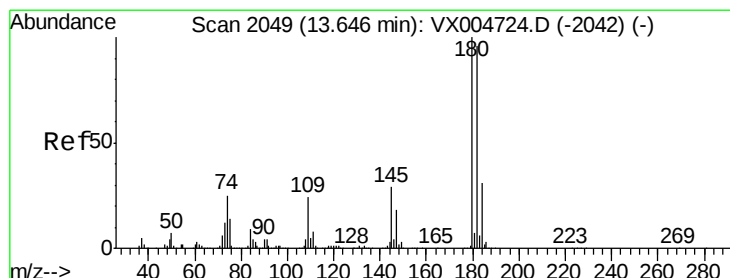
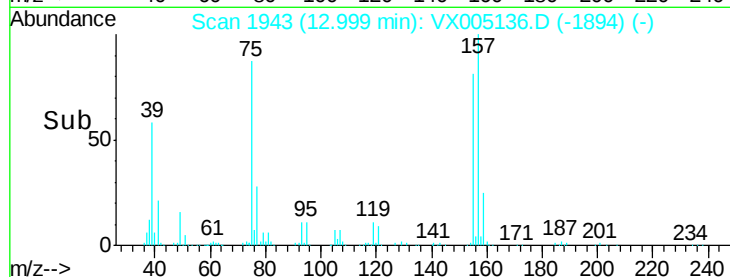
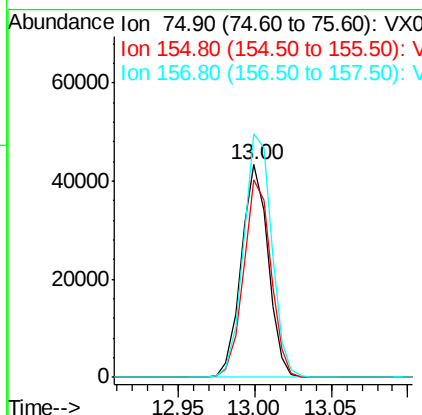
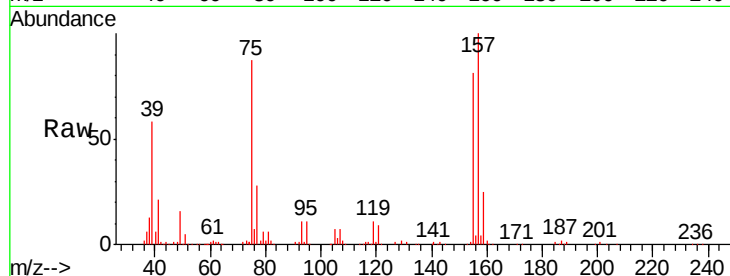
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.42 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-125D2-2018001MSD

Tgt Ion: 75 Resp: 52818
 Ion Ratio Lower Upper
 75 100
 155 94.3 46.1 138.3
 157 120.0 60.2 180.6

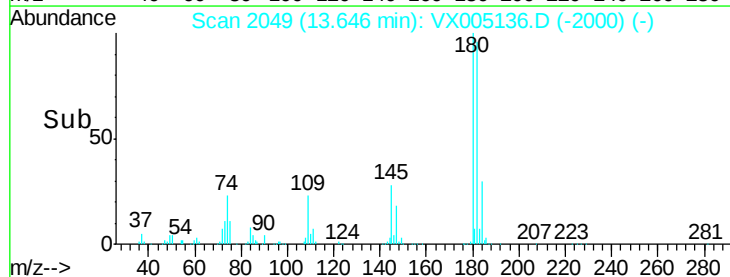
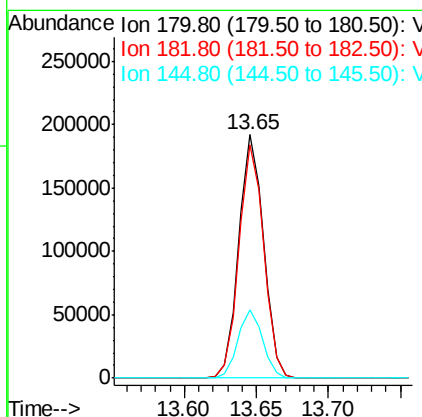
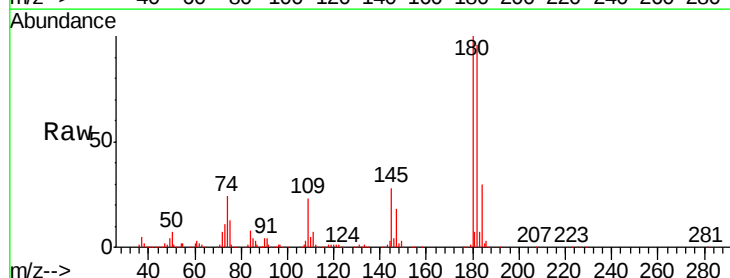
Manual Integrations
 APPROVED

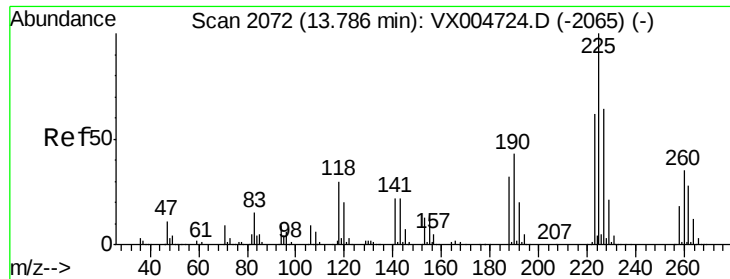
MMDadoda
 10/9/2018 1:47:51 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.43 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Tgt Ion: 180 Resp: 230493
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.8 143.4
 145 28.2 14.1 42.4





#94

Hexachlorobutadiene

Concen: 48.32 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

Instrument :

MSVOA_X

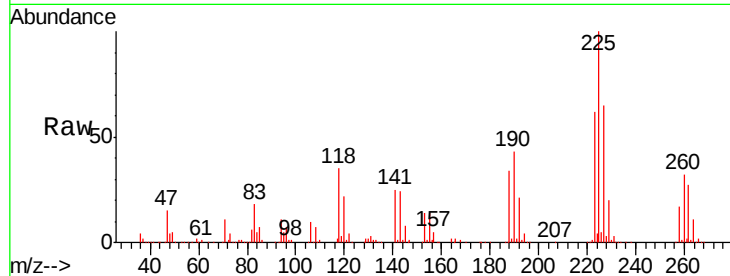
ClientSampleId :

RE-125D2-2018001MSD

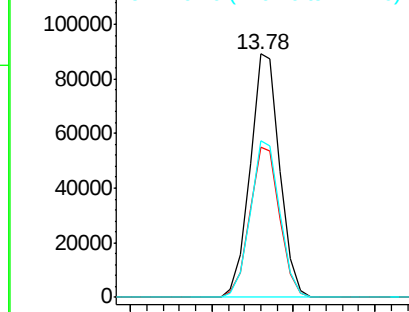
Tgt Ion:	225	Resp:	112310
Ion Ratio		Lower	Upper
225	100		
223	62.4	31.3	93.8
227	64.1	31.9	95.5

Manual Integrations
APPROVED

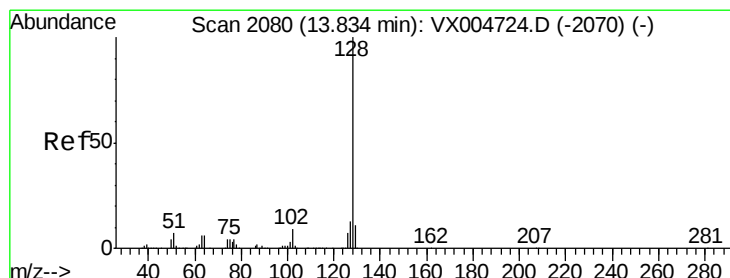
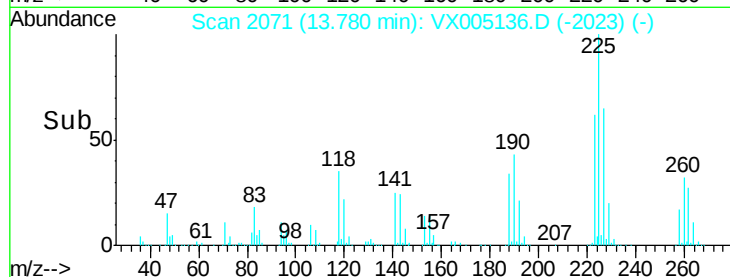
MMDadoda
10/9/2018 1:47:51 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time--> 13.70 13.75 13.80 13.85



#95

Naphthalene

Concen: 50.17 ug/l

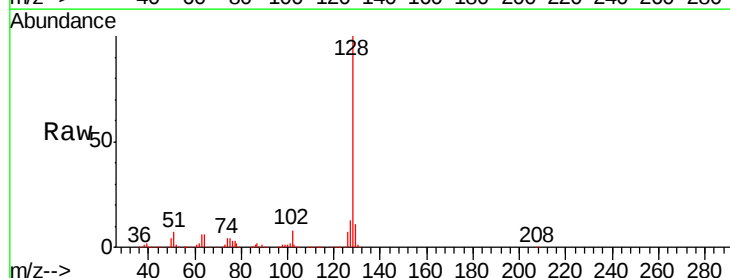
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

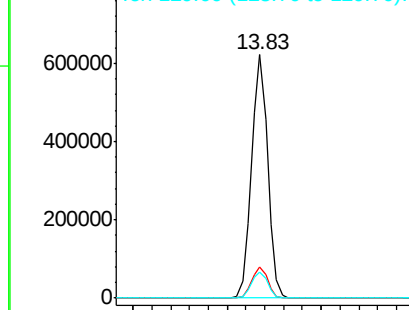
Lab File: VX005136.D

Acq: 08 Oct 2018 19:09

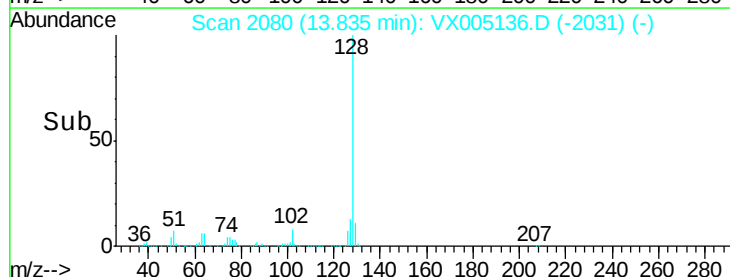
Tgt Ion:	128	Resp:	746401
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

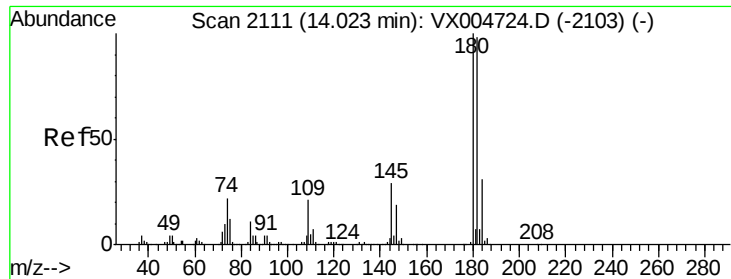


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 13.70 13.80 13.90





#96
 1,2,3-Trichlorobenzene
 Concen: 51.60 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.01 min
 Lab File: VX005136.D
 Acq: 08 Oct 2018 19:09

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-125D2-2018001MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.9	47.9	143.8
145	30.0	15.0	45.0

Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:51 PM

