

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
 Data File : VX005971.D
 Acq On : 14 Nov 2018 13:55
 Operator : JC/MD
 Sample : VX1114MBS01
 Misc : 5.0g/10ml/100ul/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:05:00 PM

Quant Time: Nov 15 00:42:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	105974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	138283	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	126187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	71177	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	56924	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
35) Dibromofluoromethane	5.49	113	47693	50.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	8.71	98	160742	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.14	95	59752	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	16984	17.78	ug/l 87
3) Chloromethane	1.32	50	21978	17.53	ug/l 99
4) Vinyl Chloride	1.40	62	21924	17.42	ug/l 99
5) Bromomethane	1.64	94	13851	17.98	ug/l 98
6) Chloroethane	1.72	64	14058	18.72	ug/l 94
7) Trichlorofluoromethane	1.93	101	32495	19.45	ug/l 99
8) Diethyl Ether	2.18	74	13088	19.99	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18968	19.74	ug/l 98
10) Methyl Iodide	2.51	142	19681	16.90	ug/l 98
11) Tert butyl alcohol	3.06	59	31653	90.70	ug/l 99
12) 1,1-Dichloroethene	2.37	96	17024	18.17	ug/l 96
13) Acrolein	2.29	56	23014	146.86	ug/l 98
14) Allyl chloride	2.73	41	42001	20.08	ug/l 98
15) Acrylonitrile	3.15	53	70608	97.62	ug/l 97
16) Acetone	2.44	43	63397	96.65	ug/l 100
17) Carbon Disulfide	2.57	76	49292	17.64	ug/l 97
18) Methyl Acetate	2.78	43	38611	21.11	ug/l 98
19) Methyl tert-butyl Ether	3.21	73	65867	20.60	ug/l 91
20) Methylene Chloride	2.85	84	20672	19.18	ug/l 92
21) trans-1,2-Dichloroethene	3.17	96	18292	18.51	ug/l 94
22) Diisopropyl ether	3.86	45	71788	19.59	ug/l 97
23) Vinyl Acetate	3.82	43	313510	99.77	ug/l 99
24) 1,1-Dichloroethane	3.69	63	39550	20.23	ug/l 98
25) 2-Butanone	4.70	43	99189	96.18	ug/l 92
26) 2,2-Dichloropropane	4.59	77	29075	20.27	ug/l 98
27) cis-1,2-Dichloroethene	4.60	96	20489	18.78	ug/l 95
28) Bromochloromethane	5.01	49	17130	19.60	ug/l 98
29) Tetrahydrofuran	5.15	42	65476	98.88	ug/l 97
30) Chloroform	5.22	83	36392	19.29	ug/l 97
31) Cyclohexane	5.57	56	32303	19.03	ug/l 92
32) 1,1,1-Trichloroethane	5.49	97	32819	20.86	ug/l 96
36) 1,1-Dichloropropene	5.81	75	25424	19.07	ug/l 99
37) Ethyl Acetate	4.85	43	35314	20.14	ug/l 99
38) Carbon Tetrachloride	5.79	117	27824	20.85	ug/l 93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
 Data File : VX005971.D
 Acq On : 14 Nov 2018 13:55
 Operator : JC/MD
 Sample : VX1114MBS01
 Misc : 5.0g/10ml/100ul/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:05:00 PM

Quant Time: Nov 15 00:42:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	27310	20.21	ug/l	89
40) Benzene	6.14	78	73201	18.84	ug/l	98
41) Methacrylonitrile	5.06	41	19393	20.47	ug/l	97
42) 1,2-Dichloroethane	6.19	62	27916	20.06	ug/l	100
43) Isopropyl Acetate	6.46	43	47421	18.67	ug/l	99
44) Trichloroethene	7.21	130	19373	19.63	ug/l	99
45) 1,2-Dichloropropane	7.52	63	20802	22.05	ug/l	90
46) Dibromomethane	7.66	93	12839	21.69	ug/l	98
47) Bromodichloromethane	7.90	83	24524	21.92	ug/l	95
48) Methyl methacrylate	7.77	41	24271	21.28	ug/l	97
49) 1,4-Dioxane	7.75	88	9822	399.63	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	165091	103.12	ug/l	100
52) Toluene	8.79	92	44744	20.60	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	26207	19.85	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	28786	21.39	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	18867	19.49	ug/l	97
56) Ethyl methacrylate	9.18	69	26791	18.50	ug/l	96
57) 1,3-Dichloropropane	9.37	76	31443	19.33	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	76979	102.59	ug/l	99
59) 2-Hexanone	9.49	43	131295	93.04	ug/l	98
60) Dibromochloromethane	9.58	129	19501	18.64	ug/l	99
61) 1,2-Dibromoethane	9.67	107	19314	18.04	ug/l	99
64) Tetrachloroethene	9.34	164	20757	19.32	ug/l	98
65) Chlorobenzene	10.14	112	50327	19.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	18586	21.15	ug/l	99
67) Ethyl Benzene	10.25	91	84901	20.94	ug/l	98
68) m/p-Xylenes	10.36	106	65909	42.63	ug/l	98
69) o-Xylene	10.70	106	30503	22.00	ug/l	96
70) Styrene	10.71	104	51922	22.70	ug/l	99
71) Bromoform	10.86	173	15951	21.65	ug/l #	98
73) Isopropylbenzene	11.02	105	87721	21.31	ug/l	100
74) N-amyl acetate	10.90	43	40504	18.35	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	29750	19.69	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	30122m	20.78	ug/l	
77) Bromobenzene	11.26	156	23012	19.84	ug/l	98
78) n-propylbenzene	11.36	91	103107	21.26	ug/l	99
79) 2-Chlorotoluene	11.42	91	61230	20.88	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	75066	21.46	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	9075	19.96	ug/l	97
82) 4-Chlorotoluene	11.51	91	72471	20.97	ug/l	99
83) tert-Butylbenzene	11.77	119	72121	20.38	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	77475	20.00	ug/l	100
85) sec-Butylbenzene	11.94	105	89420	20.66	ug/l	100
86) p-Isopropyltoluene	12.07	119	80353	20.96	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	43828	19.68	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	44474	19.51	ug/l	98
89) n-Butylbenzene	12.39	91	71074	20.01	ug/l	99
90) Hexachloroethane	12.60	117	12910	20.17	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	43345	19.43	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7384	20.03	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
Data File : VX005971.D
Acq On : 14 Nov 2018 13:55
Operator : JC/MD
Sample : VX1114MBS01
Misc : 5.0g/10ml/100ul/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM

Quant Time: Nov 15 00:42:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	31954	20.35	ug/l	99
94) Hexachlorobutadiene	13.78	225	16564	20.08	ug/l	100
95) Naphthalene	13.83	128	93240	18.96	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	33252	20.79	ug/l	98

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

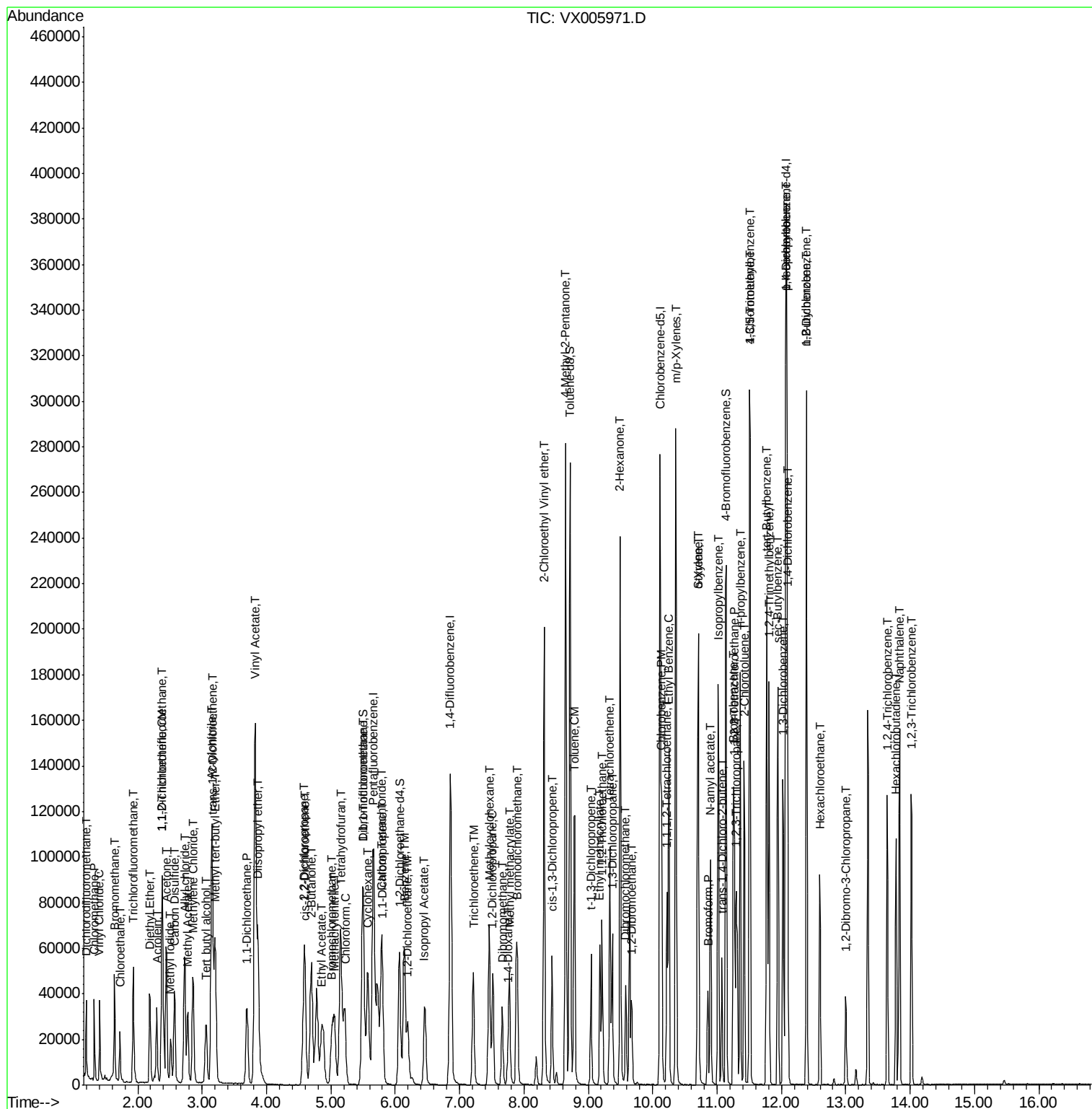
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
 Data File : VX005971.D
 Acq On : 14 Nov 2018 13:55
 Operator : JC/MD
 Sample : VX1114MBS01
 Misc : 5.0g/10ml/100ul/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

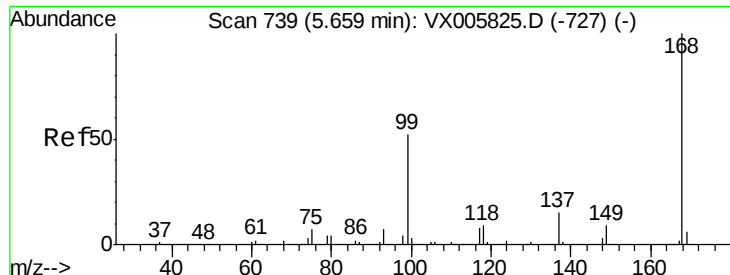
Instrument :
 MSVOA_X
 Client Sampled :
 VX1114MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:05:00 PM

Quant Time: Nov 15 00:42:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS01

Tgt Ion:168 Resp: 105974

Ion Ratio Lower Upper

168 100

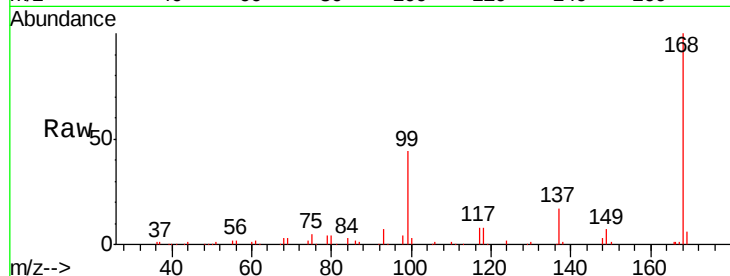
99 43.5 40.7 61.1

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:05:00 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

40000

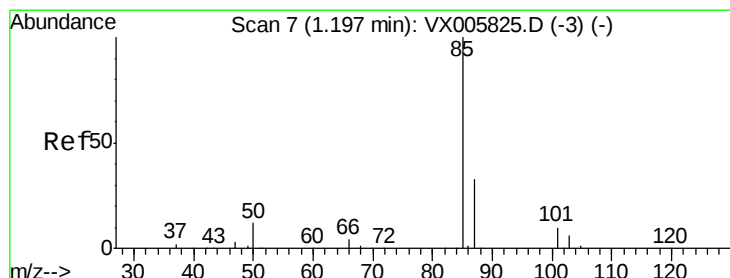
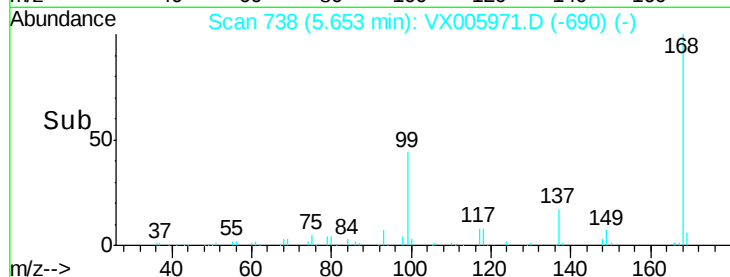
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.78 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005971.D

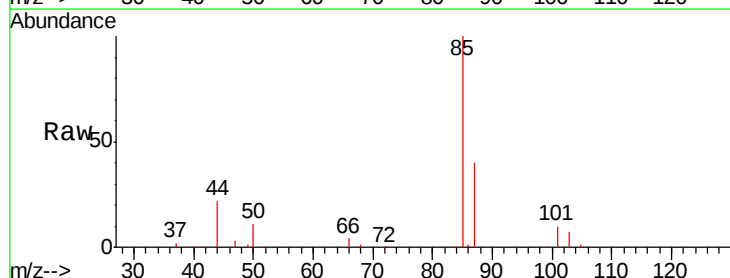
Acq: 14 Nov 2018 13:55

Tgt Ion: 85 Resp: 16984

Ion Ratio Lower Upper

85 100

87 39.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

20000

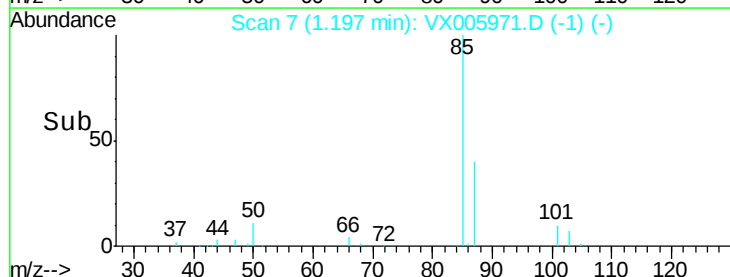
15000

10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 17.53 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS01

Tgt Ion: 50 Resp: 21978

Ion Ratio Lower Upper

50 100

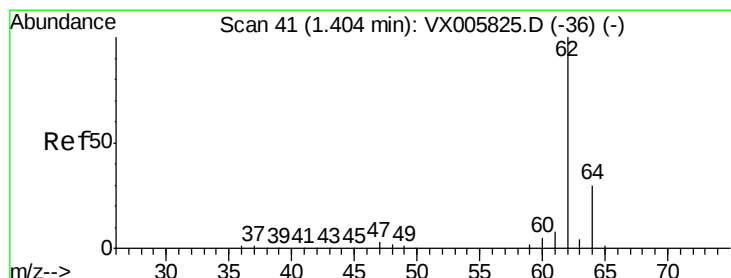
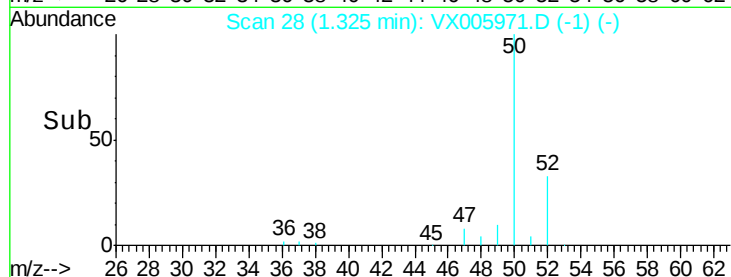
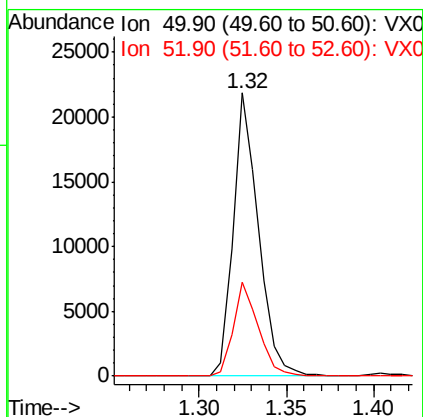
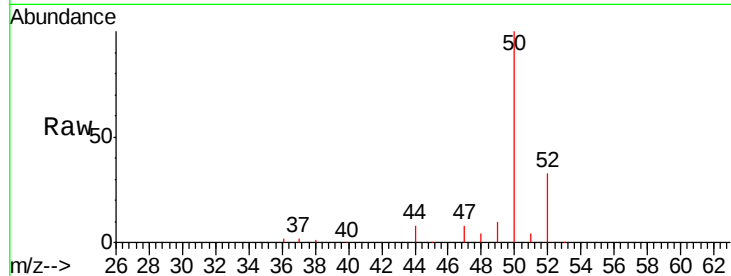
52 33.3 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:05:00 PM



#4

Vinyl Chloride

Concen: 17.42 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005971.D

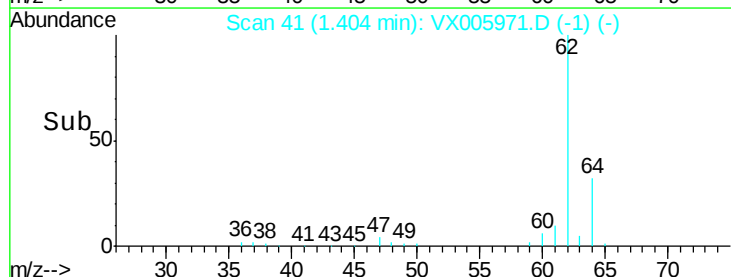
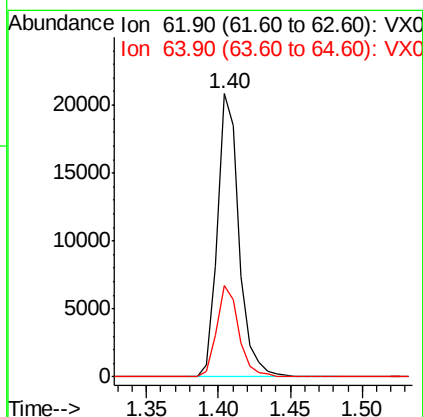
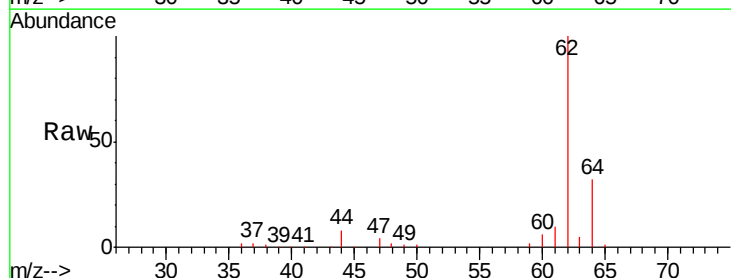
Acq: 14 Nov 2018 13:55

Tgt Ion: 62 Resp: 21924

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 17.98 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS01

Tgt Ion: 94 Resp: 13851

Ion Ratio Lower Upper

94 100

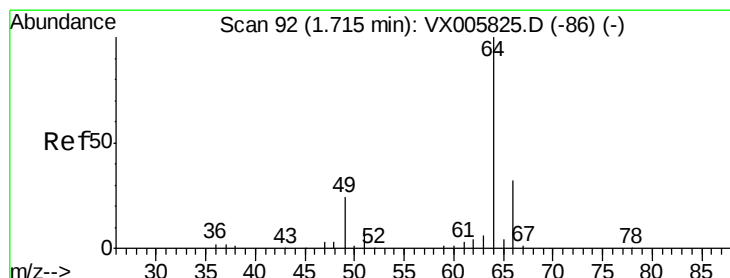
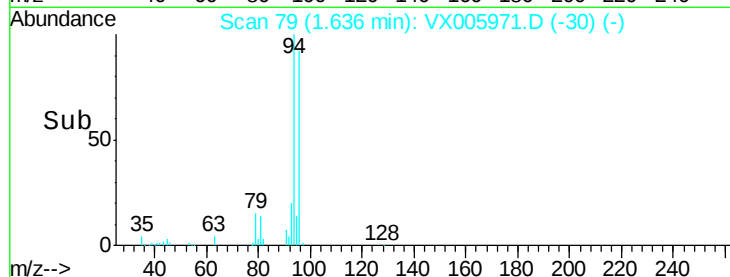
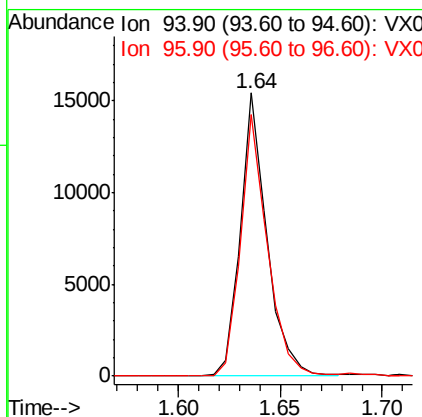
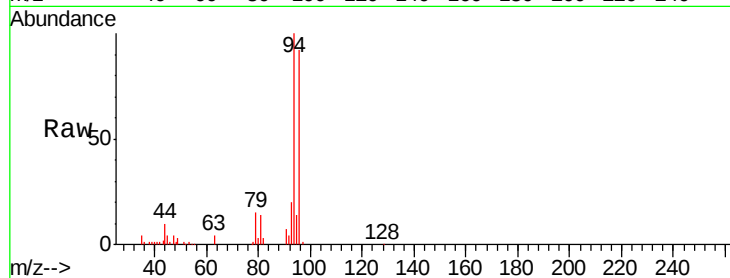
96 92.5 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:05:00 PM



#6

Chloroethane

Concen: 18.72 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005971.D

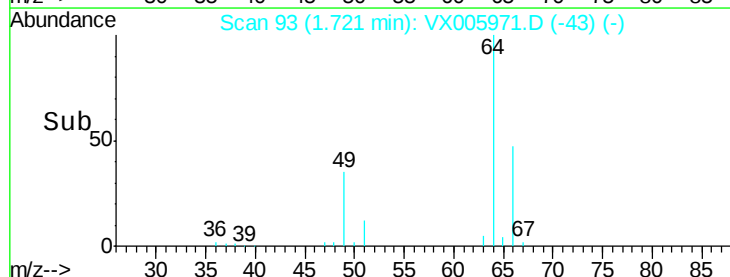
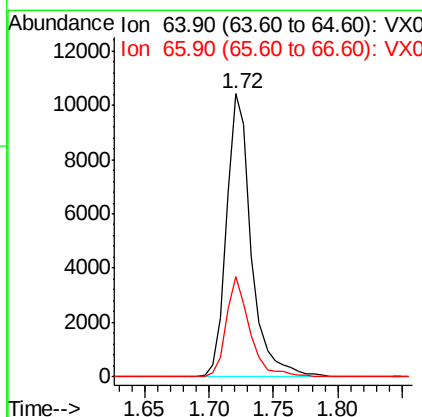
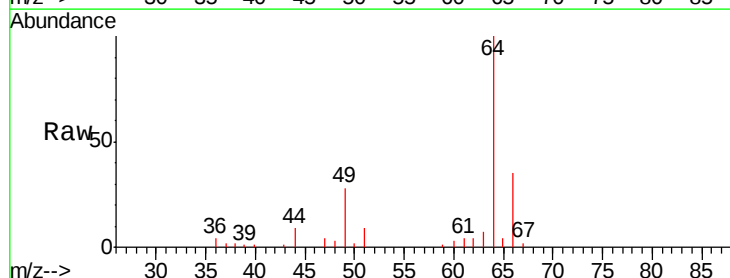
Acq: 14 Nov 2018 13:55

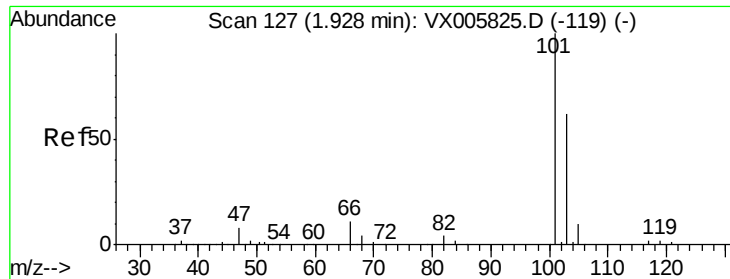
Tgt Ion: 64 Resp: 14058

Ion Ratio Lower Upper

64 100

66 35.4 25.8 38.6





#7

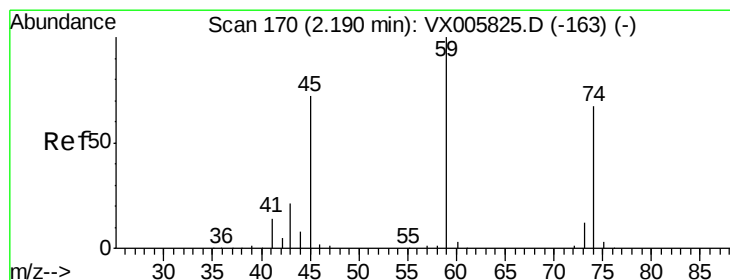
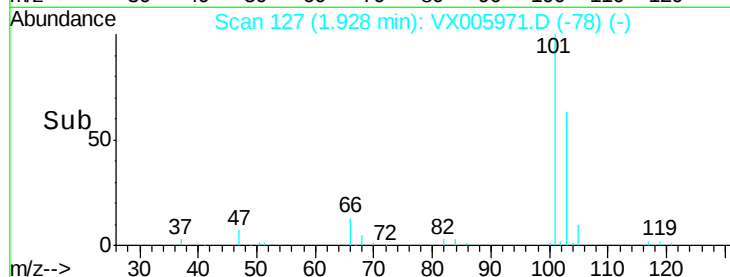
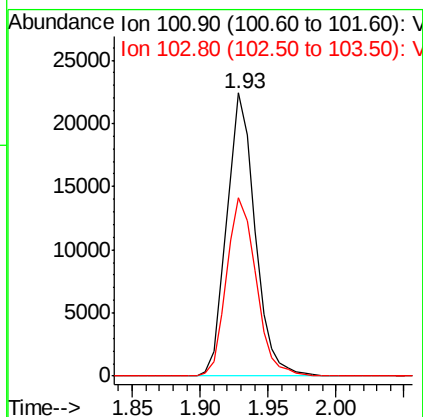
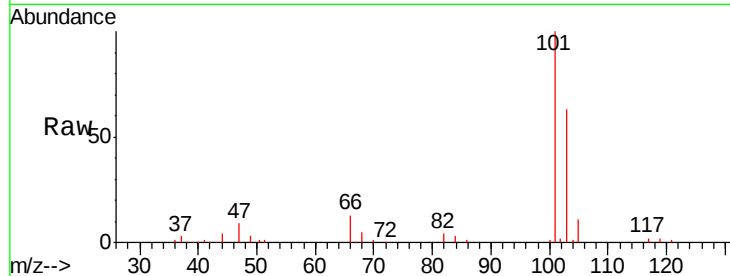
Trichlorofluoromethane
Concen: 19.45 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion: 101 Resp: 32495
Ion Ratio Lower Upper
101 100
103 63.1 50.0 75.0

Manual Integrations
APPROVED

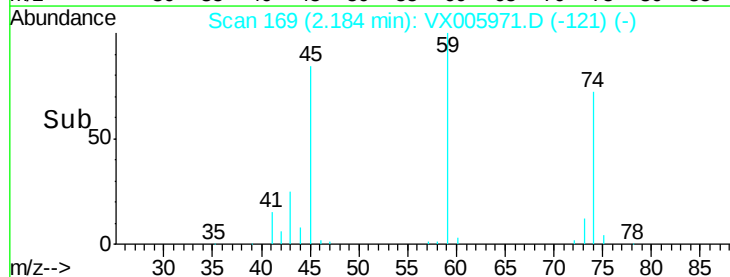
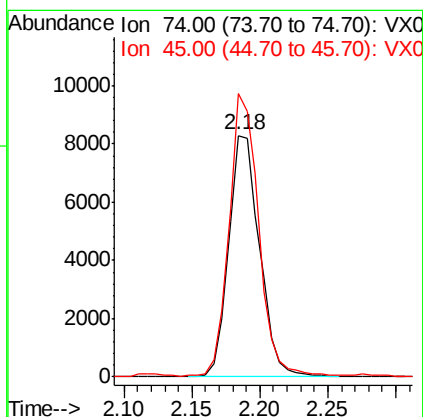
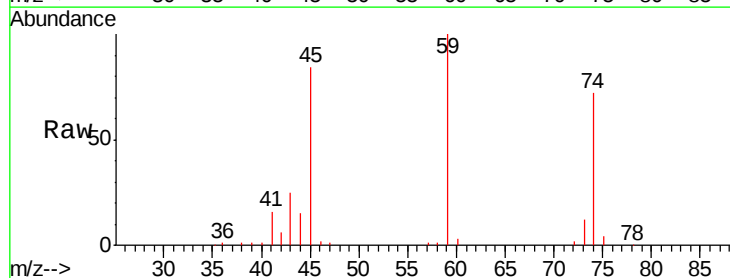
MMDadoda
11/15/2018 1:05:00 PM

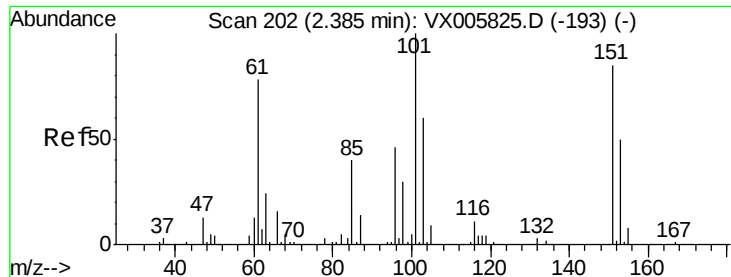


#8

Diethyl Ether
Concen: 19.99 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion: 74 Resp: 13088
Ion Ratio Lower Upper
74 100
45 113.2 54.1 162.3





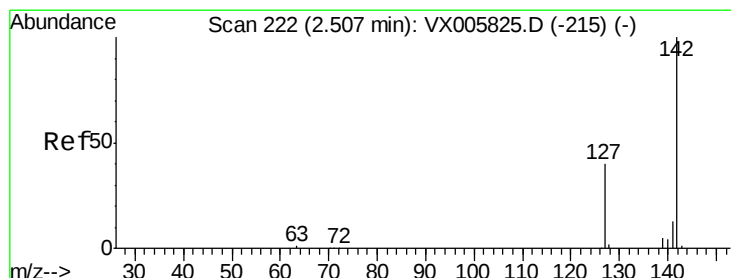
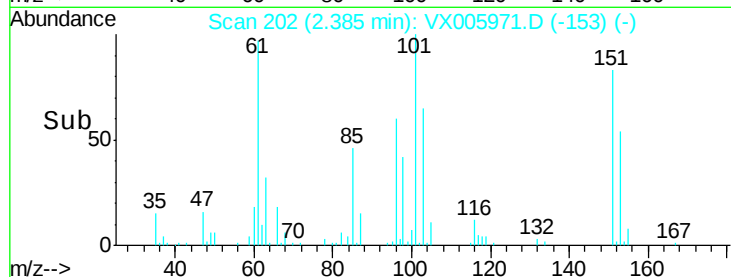
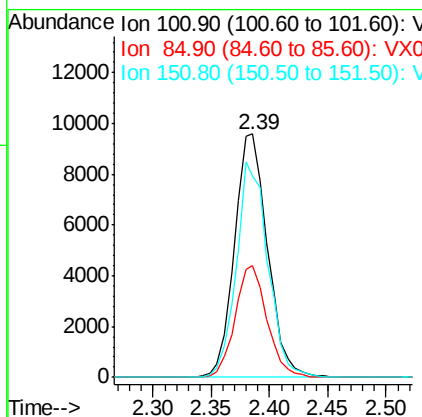
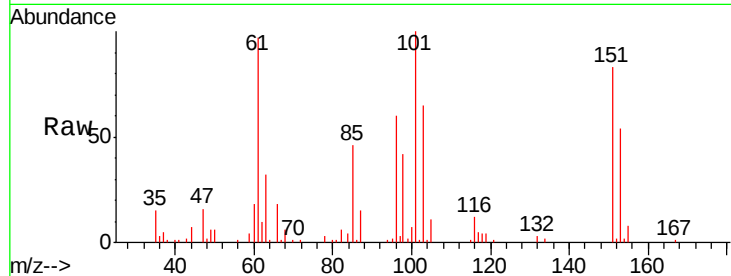
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.74 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	18968		
85	44.3	35.0	52.4	
151	84.7	66.2	99.2	

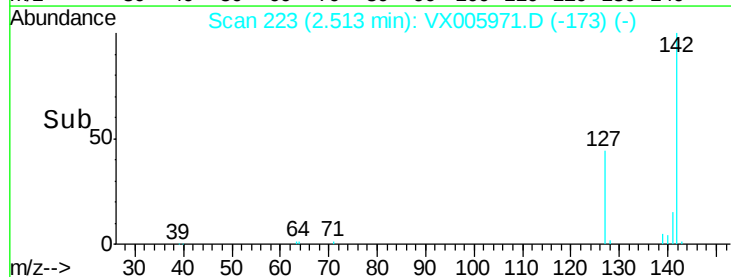
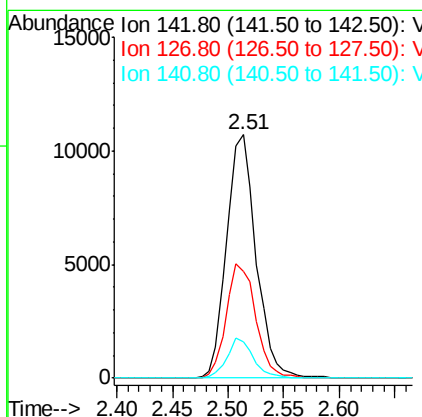
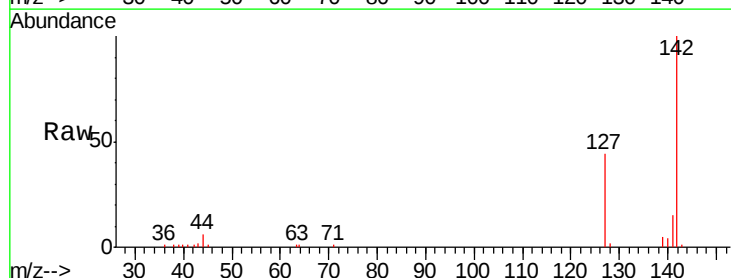
Manual Integrations
 APPROVED

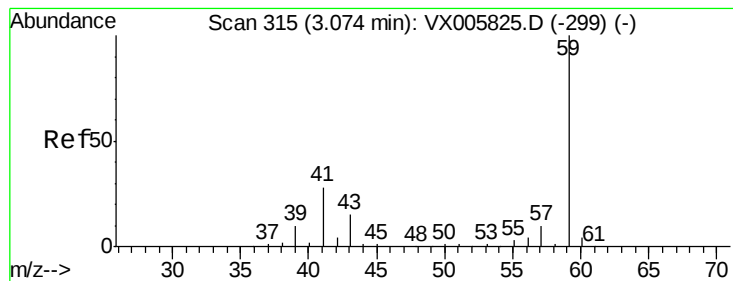
MMDadoda
 11/15/2018 1:05:00 PM



#10
 Methyl Iodide
 Concen: 16.90 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	19681		
127	47.1	36.0	54.0	
141	14.5	11.7	17.5	





#11

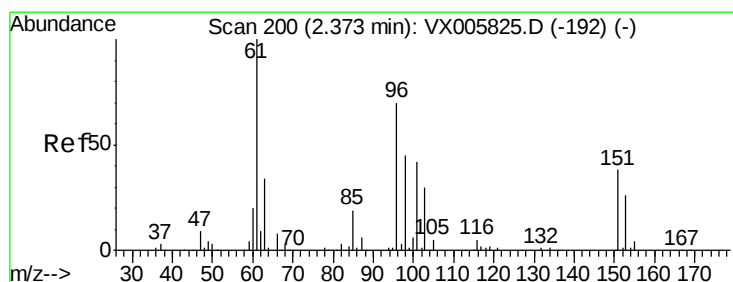
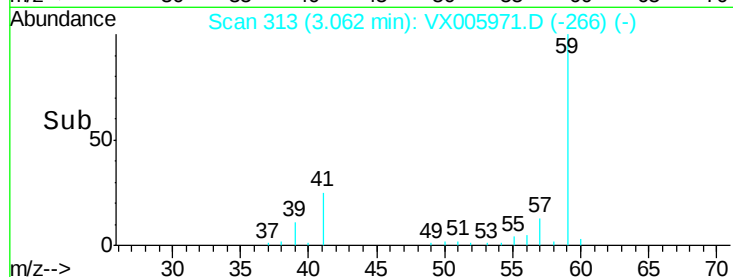
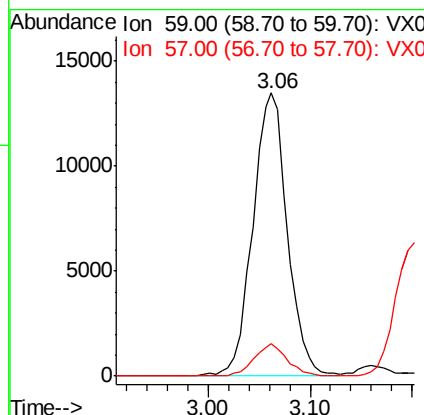
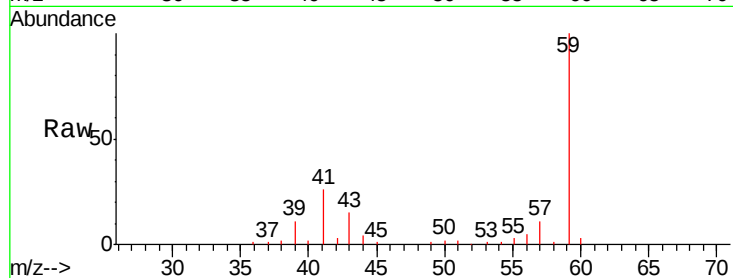
Tert butyl alcohol
Concen: 90.70 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.5	12.7

Manual Integrations
APPROVED

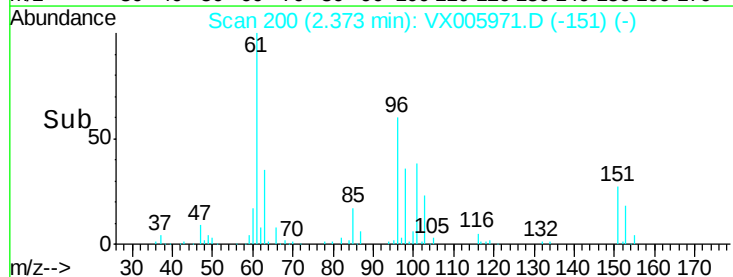
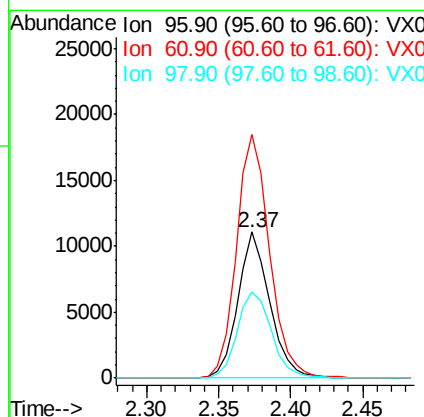
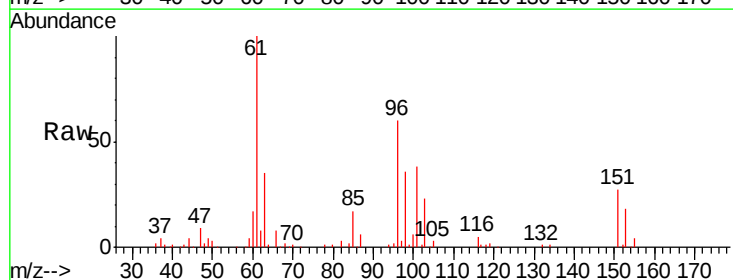
MMDadoda
11/15/2018 1:05:00 PM

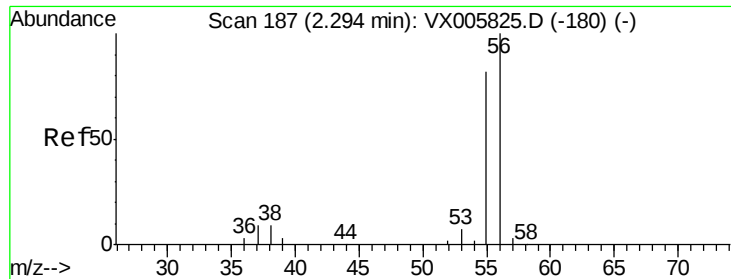


#12

1,1-Dichloroethene
Concen: 18.17 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.8	131.8	197.8
98	59.3	53.4	80.2





#13

Acrolein

Concen: 146.86 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS01

Tgt Ion: 56 Resp: 23014

Ion Ratio Lower Upper

56 100

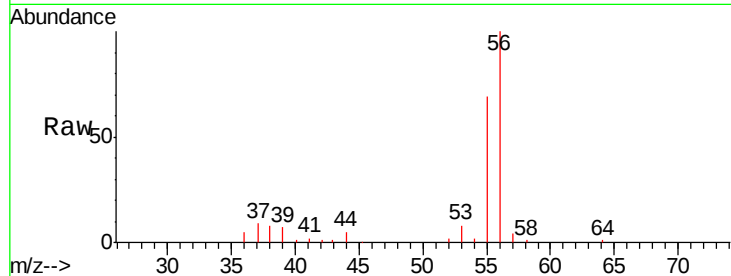
55 69.9 57.3 85.9

Manual Integrations

APPROVED

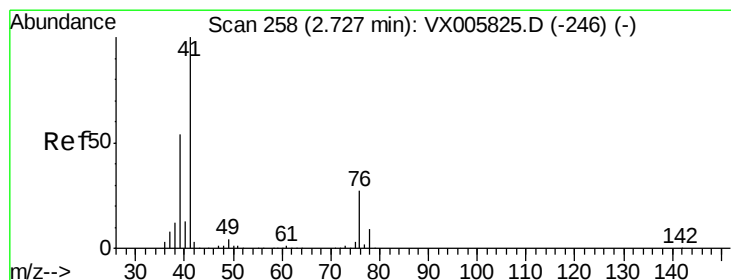
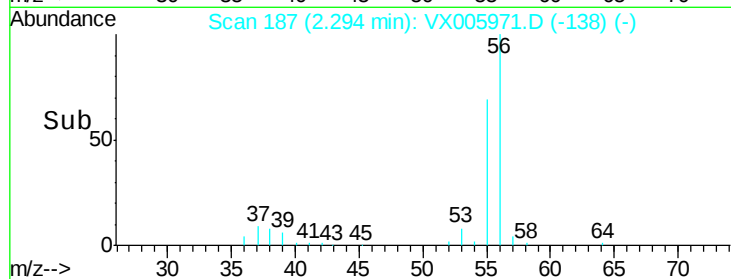
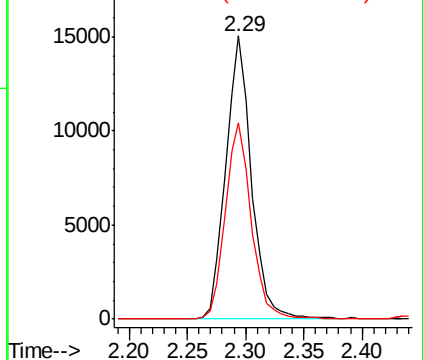
MMDadoda

11/15/2018 1:05:00 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.08 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

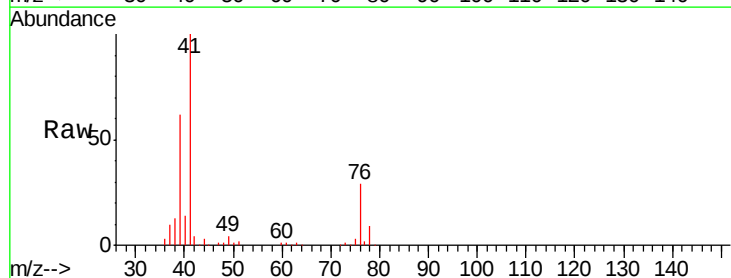
Tgt Ion: 41 Resp: 42001

Ion Ratio Lower Upper

41 100

39 58.1 48.2 72.4

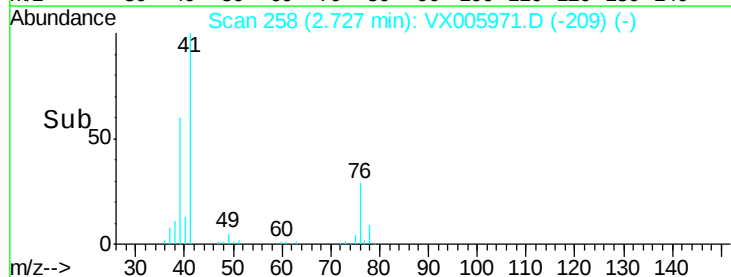
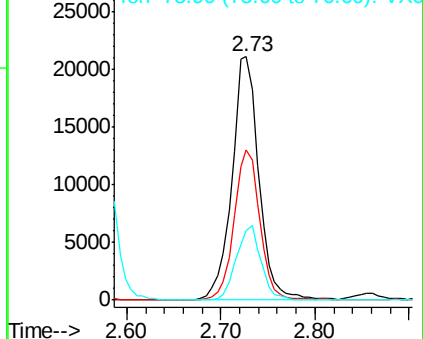
76 27.9 21.9 32.9

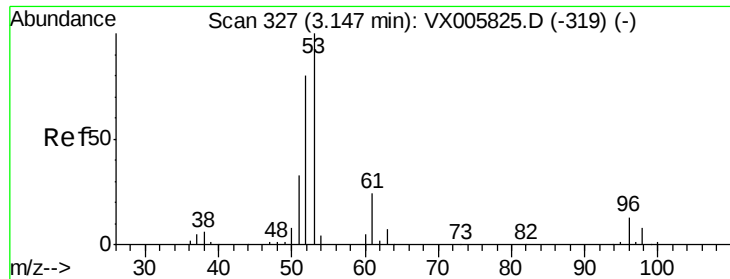


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 97.62 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

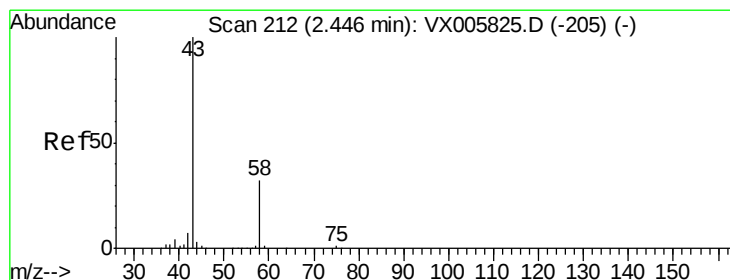
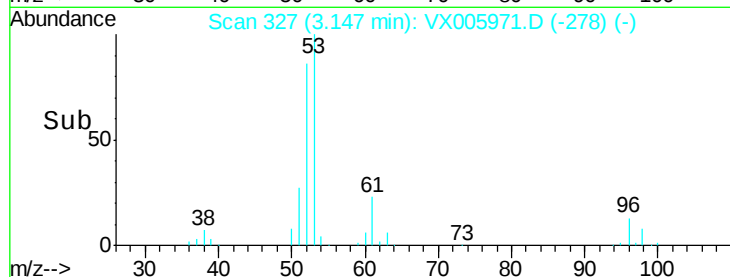
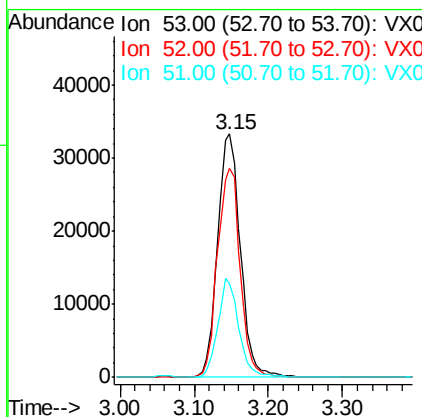
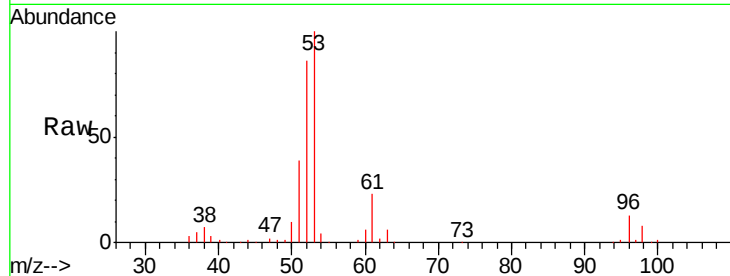
ClientSampleId :

VX1114MBS01

Tgt Ion:	53	Resp:	70608
Ion	Ratio	Lower	Upper
53	100		
52	85.4	66.6	99.8
51	37.5	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#16

Acetone

Concen: 96.65 ug/l

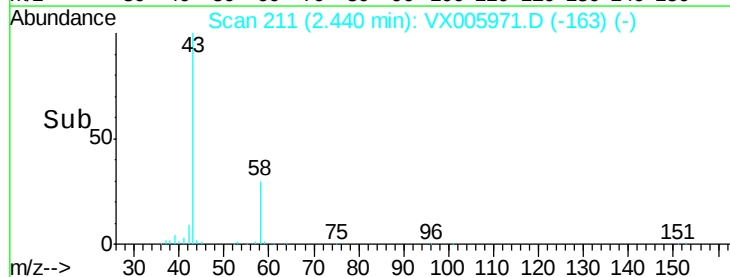
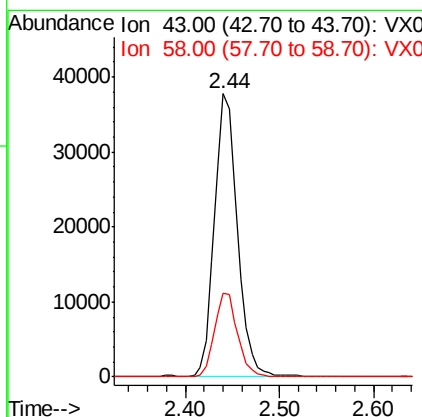
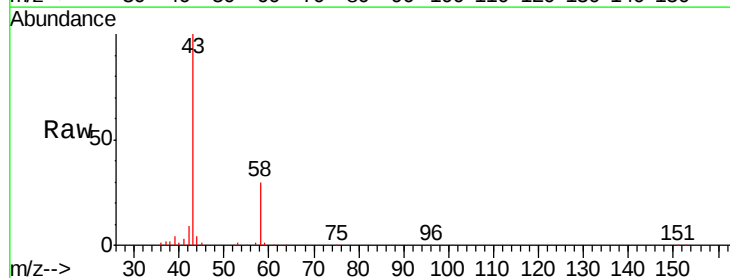
RT: 2.44 min Scan# 211

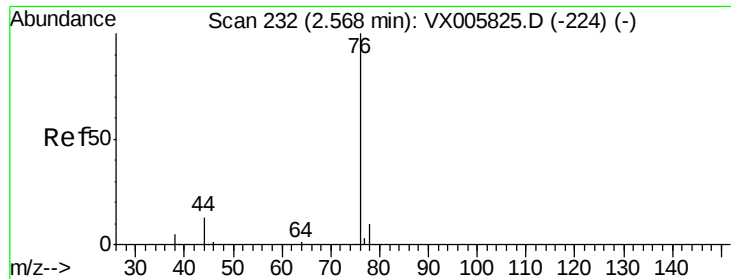
Delta R.T. -0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion:	43	Resp:	63397
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.6





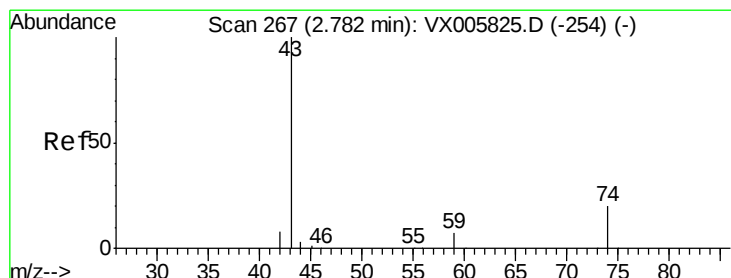
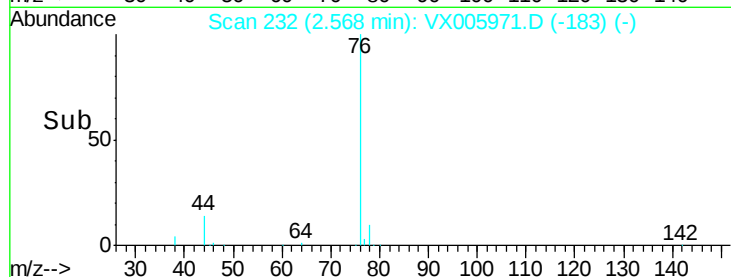
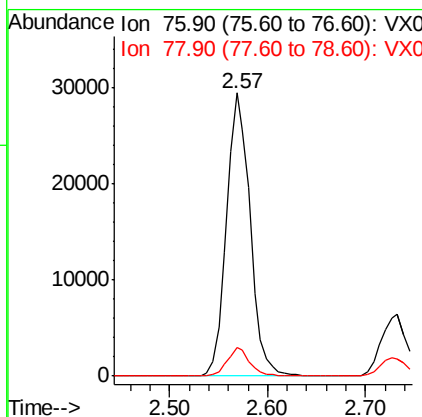
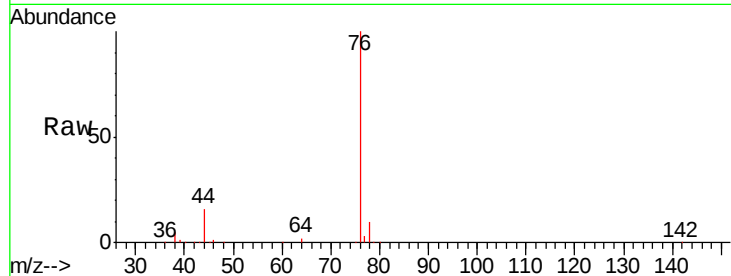
#17
Carbon Disulfide
Concen: 17.64 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion: 76 Resp: 49292
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9

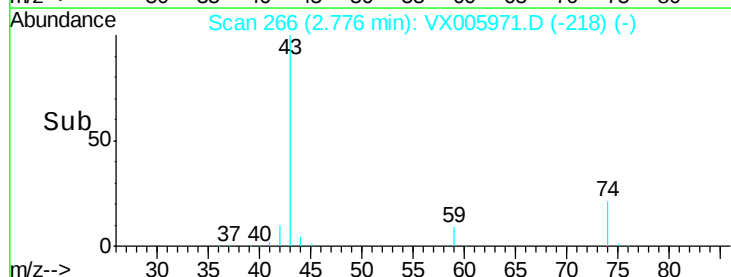
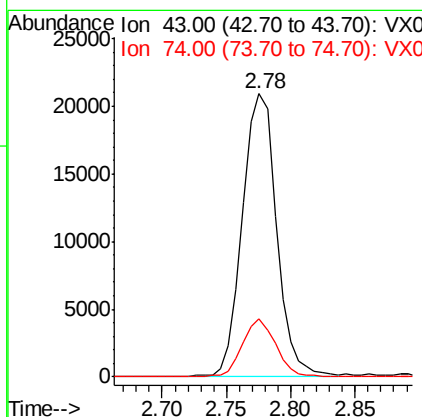
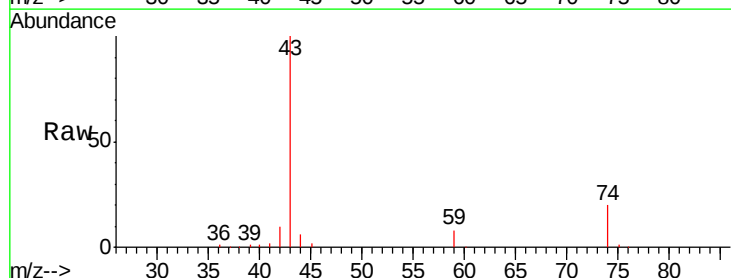
Manual Integrations
APPROVED

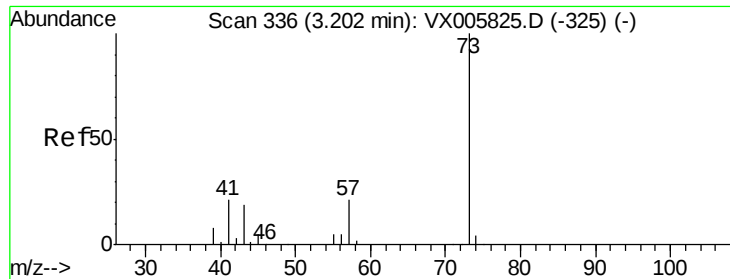
MMDadoda
11/15/2018 1:05:00 PM



#18
Methyl Acetate
Concen: 21.11 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion: 43 Resp: 38611
Ion Ratio Lower Upper
43 100
74 19.9 16.8 25.2





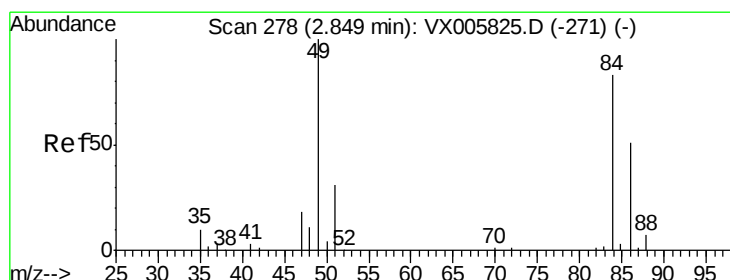
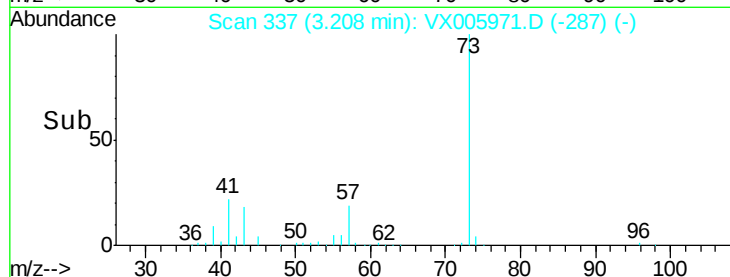
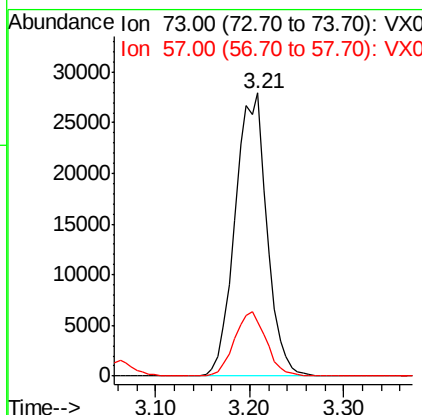
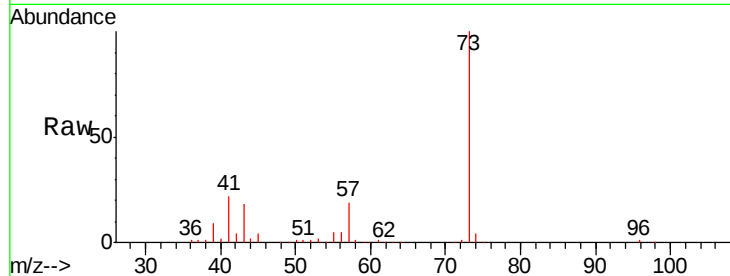
#19
Methyl tert-butyl Ether
Concen: 20.60 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion: 73 Resp: 65867
Ion Ratio Lower Upper
73 100
57 19.0 18.8 28.2

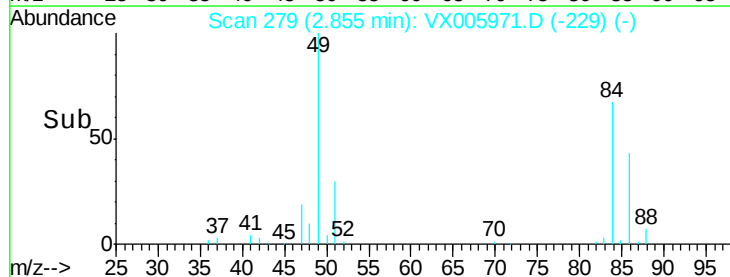
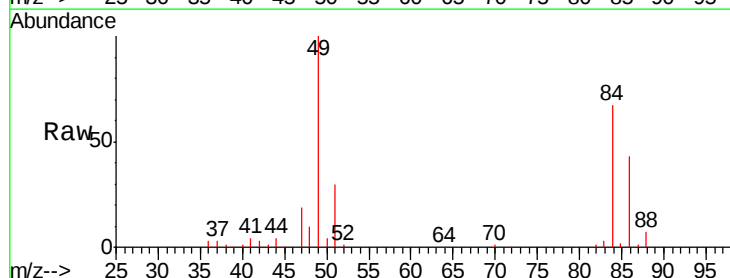
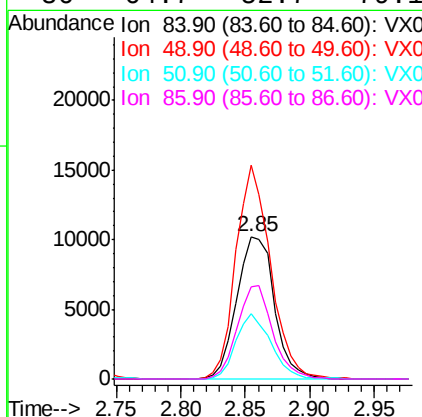
Manual Integrations
APPROVED

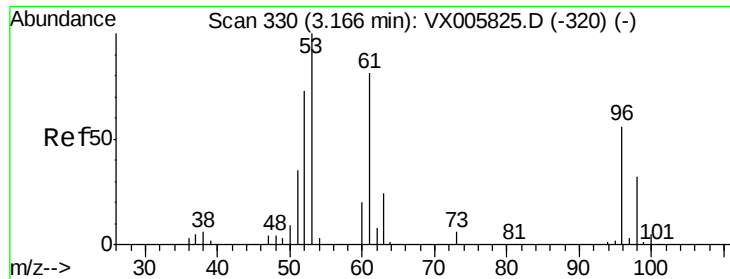
MMDadoda
11/15/2018 1:05:00 PM



#20
Methylene Chloride
Concen: 19.18 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion: 84 Resp: 20672
Ion Ratio Lower Upper
84 100
49 149.8 109.5 164.3
51 45.6 33.3 49.9
86 64.7 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 18.51 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS01

Tgt Ion: 96 Resp: 18292

Ion Ratio Lower Upper

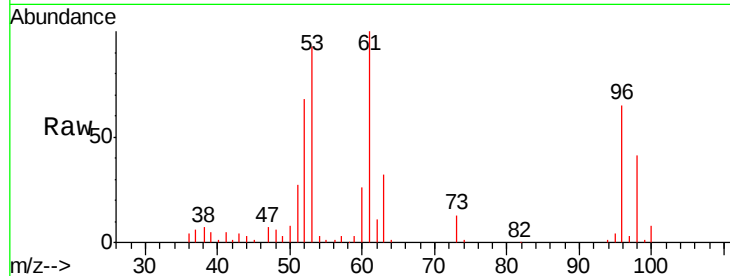
96 100

61 154.3 115.6 173.4

98 63.2 50.2 75.2

Manual Integrations
APPROVED

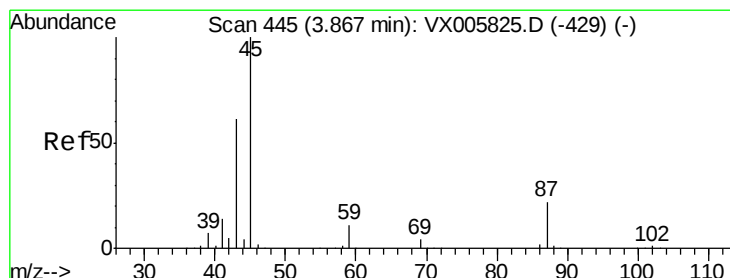
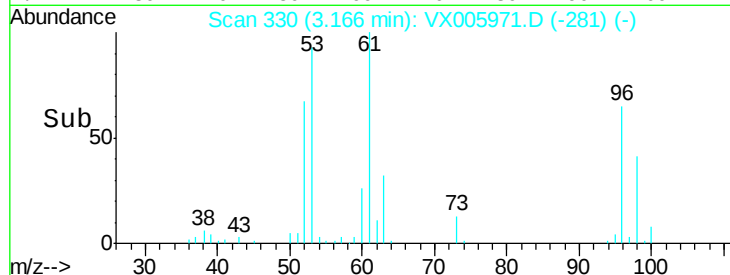
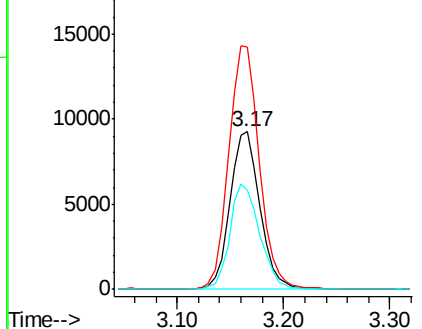
MMDadoda
11/15/2018 1:05:00 PM



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: 19.59 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion: 45 Resp: 71788

Ion Ratio Lower Upper

45 100

43 60.2 47.4 71.2

87 23.5 15.9 23.9

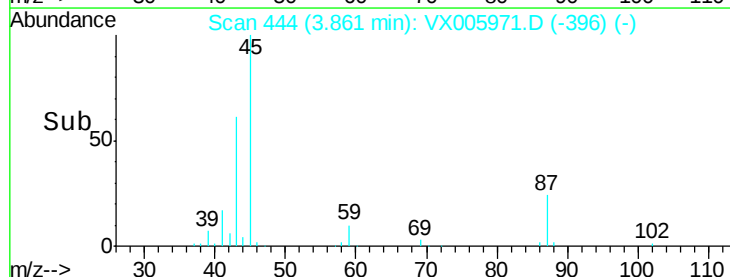
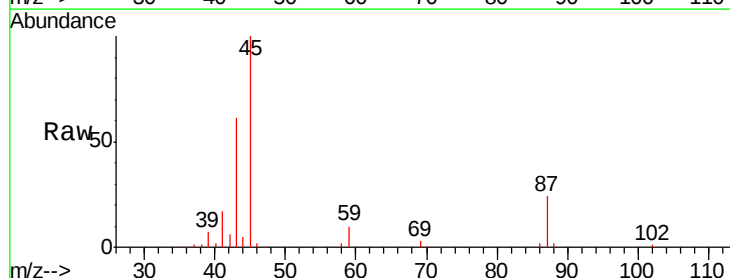
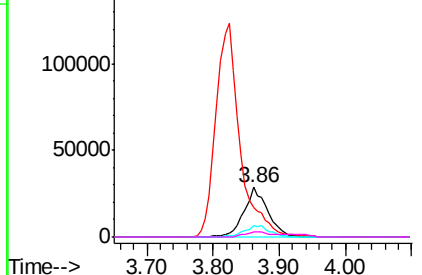
59 9.5 7.7 11.5

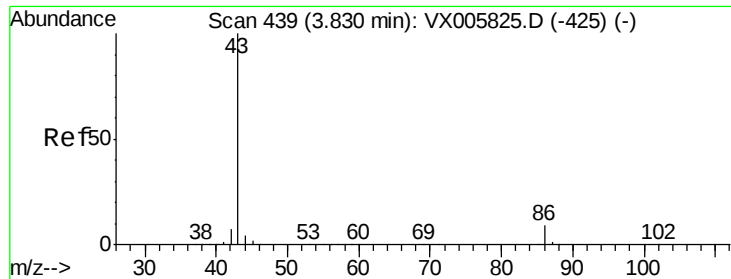
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 99.77 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS01

Tgt Ion: 43 Resp: 313510

Ion Ratio Lower Upper

43 100

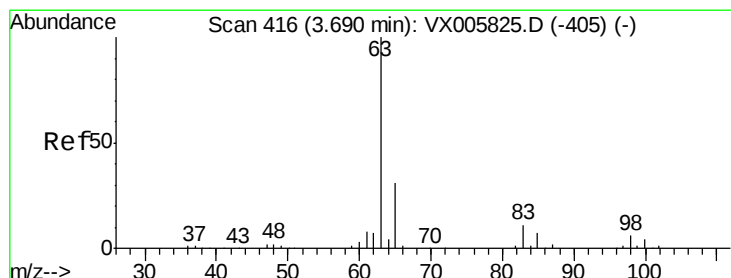
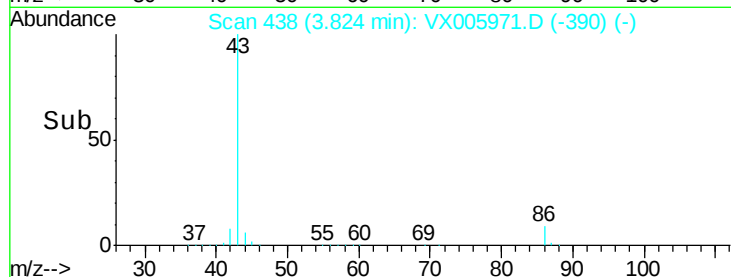
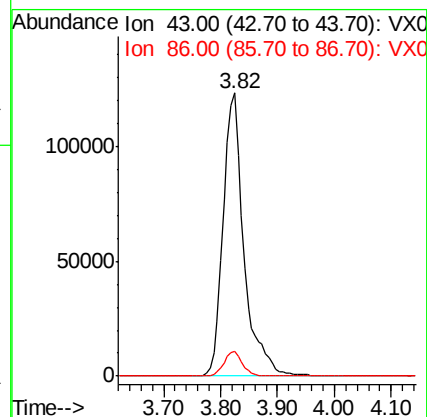
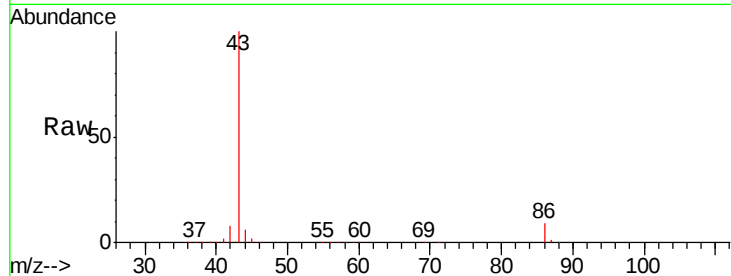
86 8.8 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:05:00 PM



#24

1,1-Dichloroethane

Concen: 20.23 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

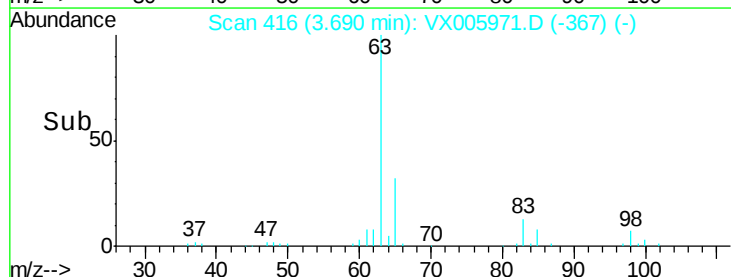
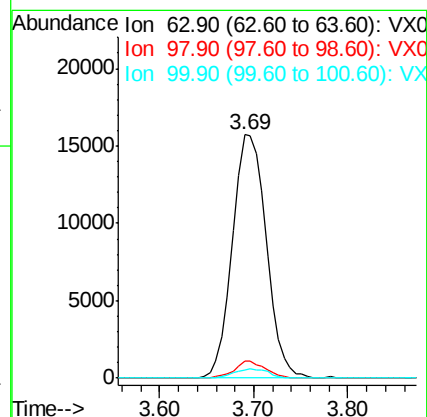
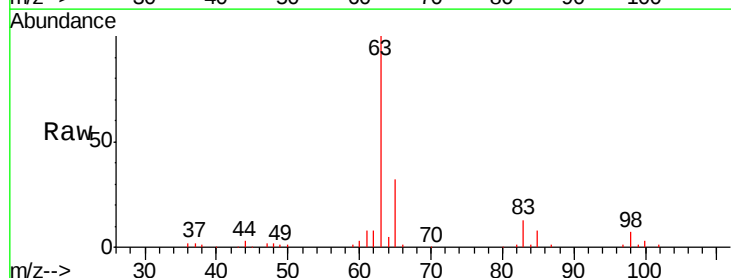
Tgt Ion: 63 Resp: 39550

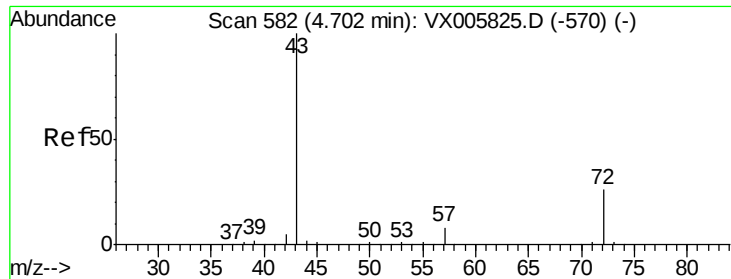
Ion Ratio Lower Upper

63 100

98 7.1 3.2 9.6

100 3.5 2.1 6.2





#25

2-Butanone

Concen: 96.18 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS01

Tgt Ion: 43 Resp: 99189

Ion Ratio Lower Upper

43 100

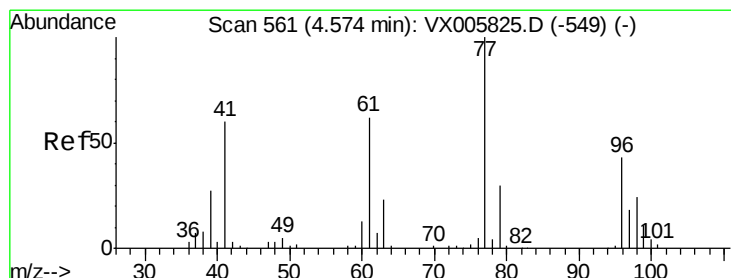
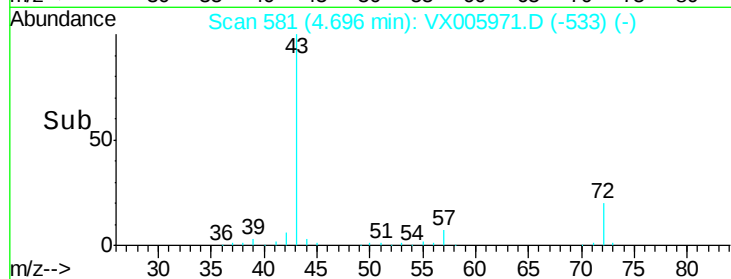
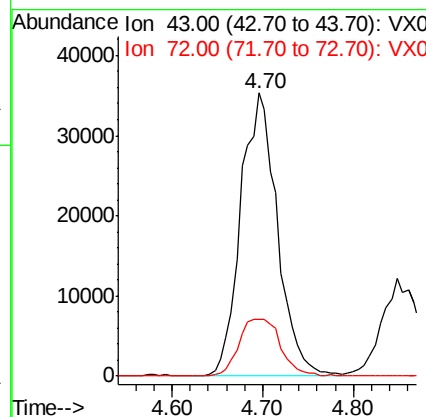
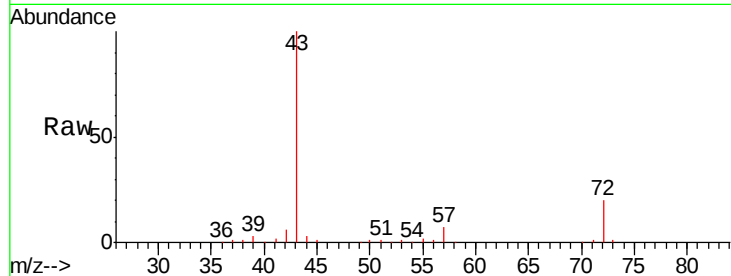
72 20.3 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:05:00 PM



#26

2,2-Dichloropropane

Concen: 20.27 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005971.D

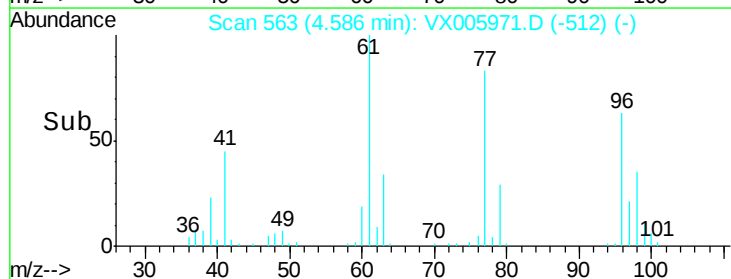
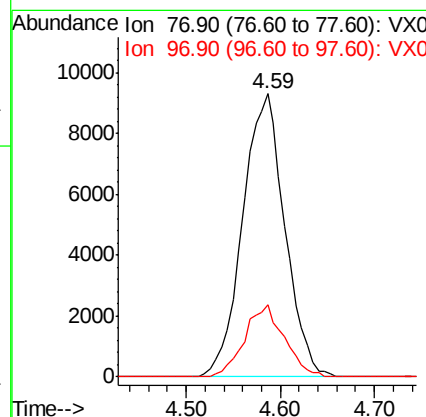
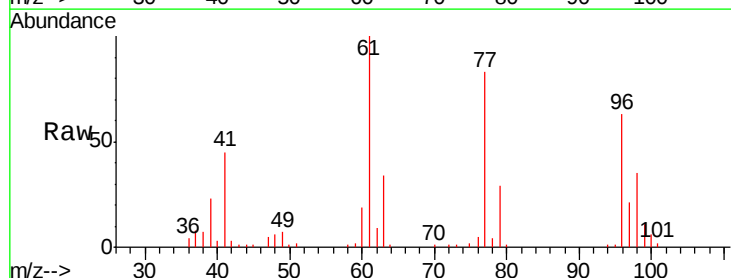
Acq: 14 Nov 2018 13:55

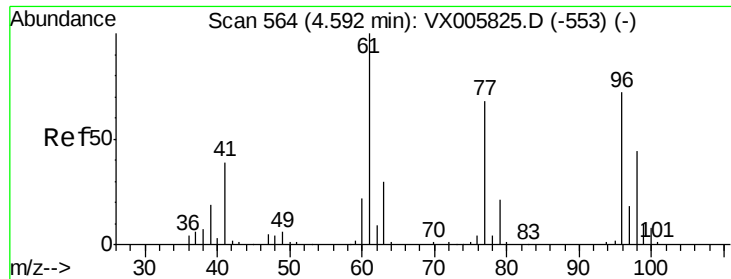
Tgt Ion: 77 Resp: 29075

Ion Ratio Lower Upper

77 100

97 23.9 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 18.78 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

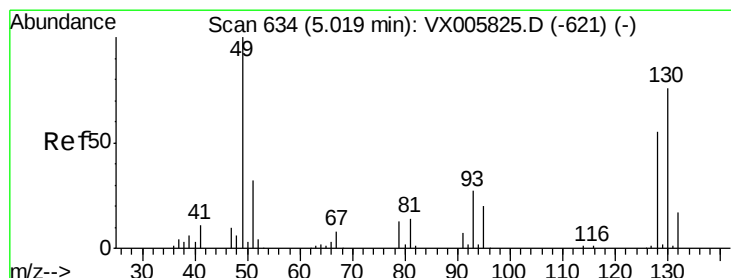
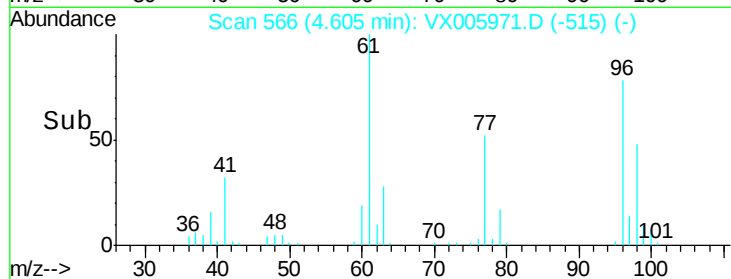
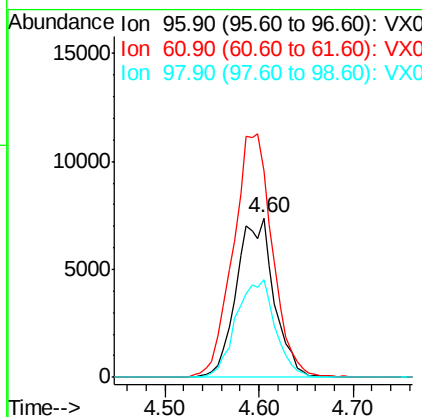
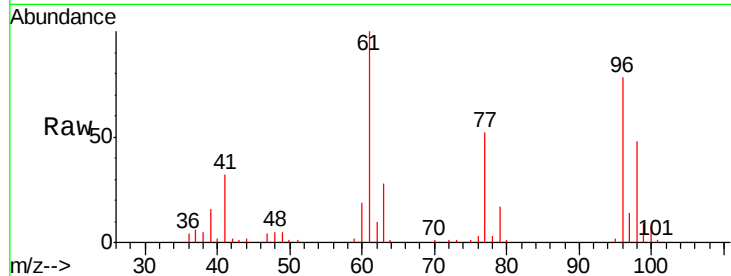
ClientSampleId :

VX1114MBS01

Tgt Ion:	96	Resp:	20489
Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	304.6
98	63.8	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#28

Bromochloromethane

Concen: 19.60 ug/l

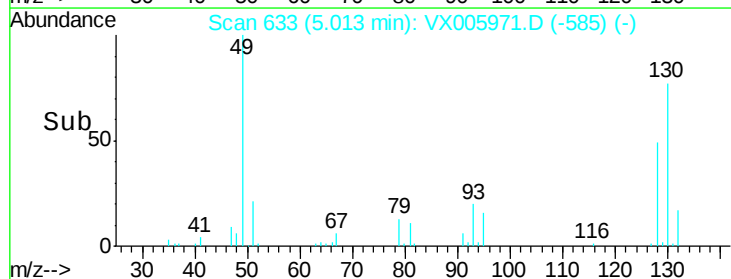
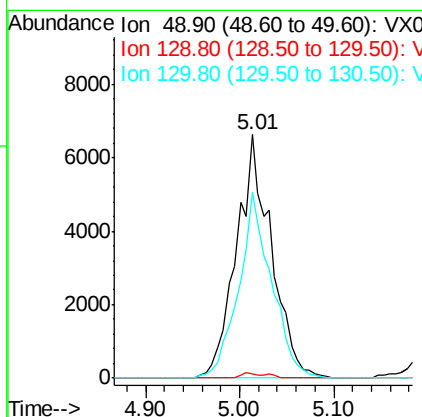
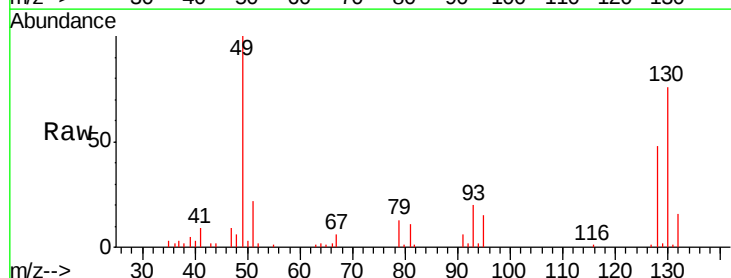
RT: 5.01 min Scan# 633

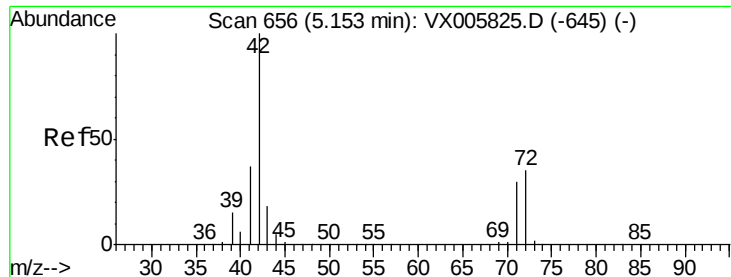
Delta R.T. -0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion:	49	Resp:	17130
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	71.6	58.9	88.3





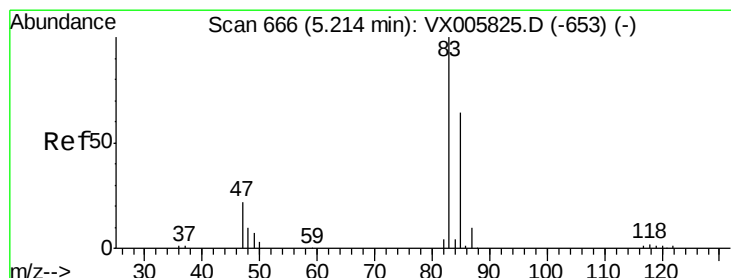
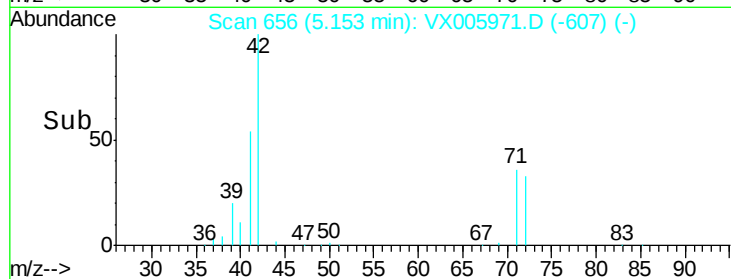
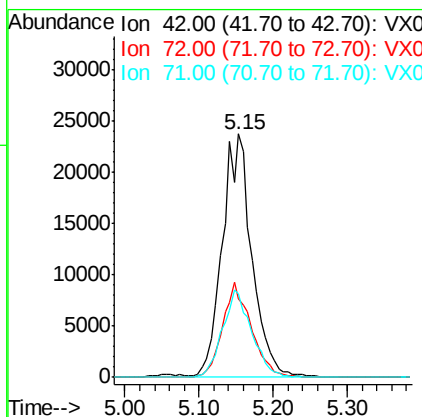
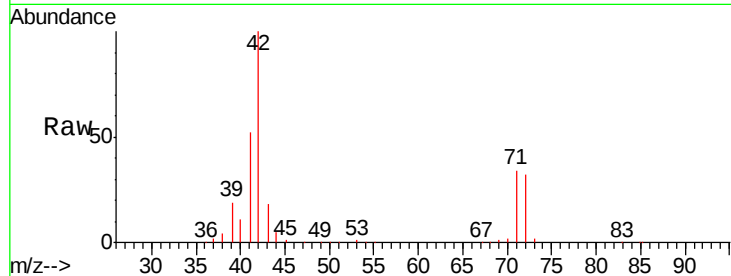
#29
Tetrahydrofuran
Concen: 98.88 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.8	32.0	48.0
71	35.6	29.8	44.8

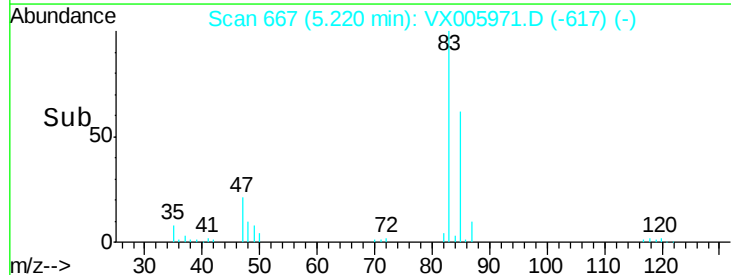
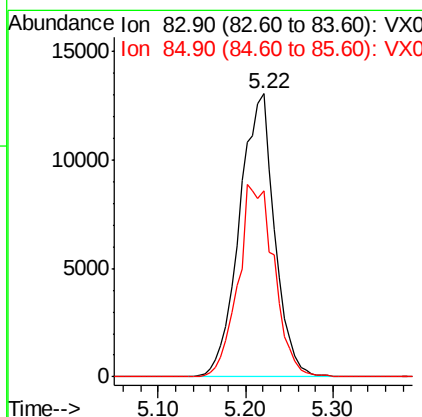
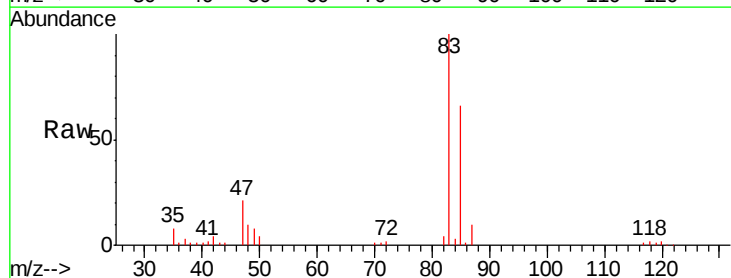
Manual Integrations
APPROVED

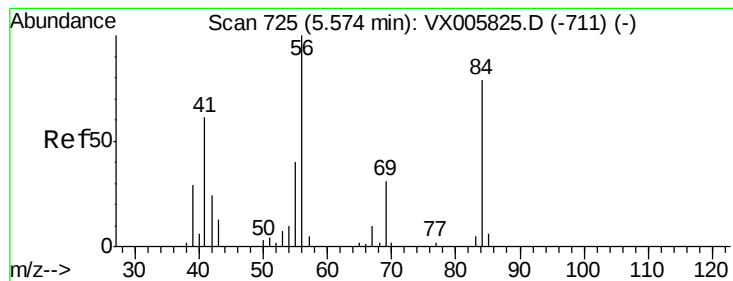
MMDadoda
11/15/2018 1:05:00 PM



#30
Chloroform
Concen: 19.29 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.6	76.0





#31

Cyclohexane

Concen: 19.03 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

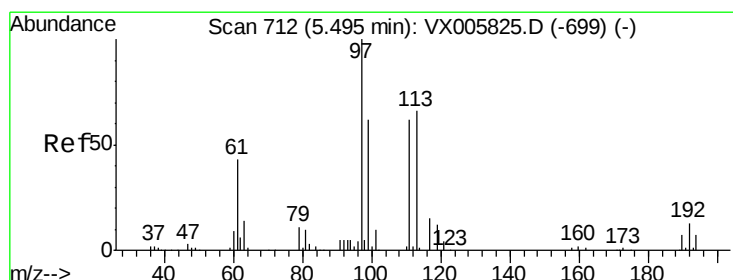
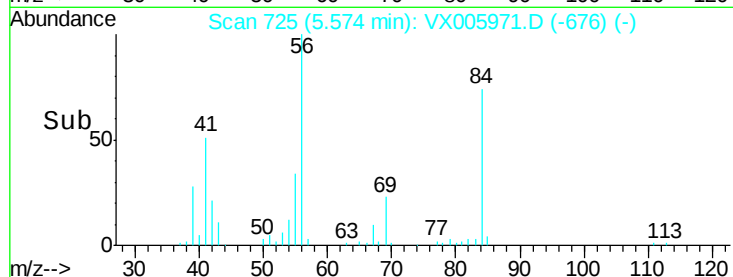
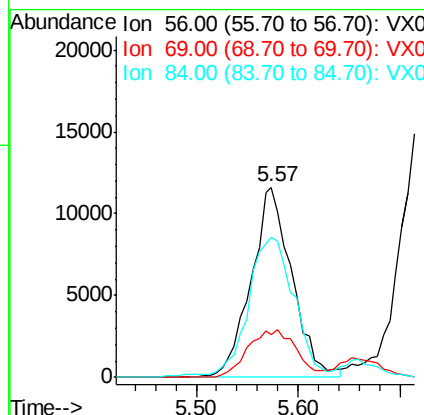
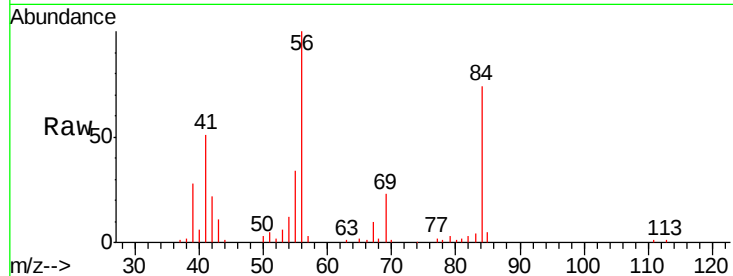
ClientSampleId :

VX1114MBS01

Tgt Ion:	56	Resp:	32303
Ion	Ratio	Lower	Upper
56	100		
69	22.7	22.6	34.0
84	72.4	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#32

1,1,1-Trichloroethane

Concen: 20.86 ug/l

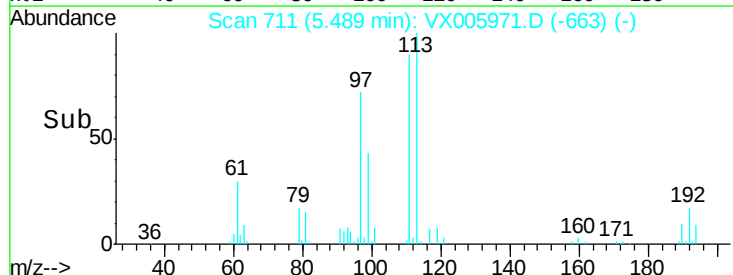
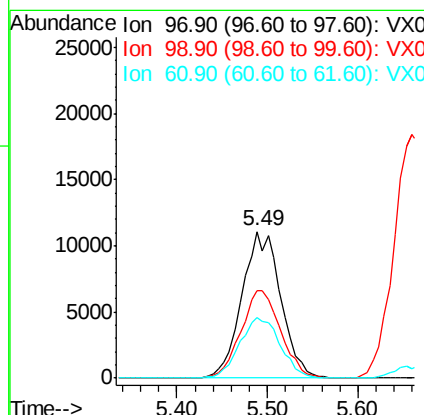
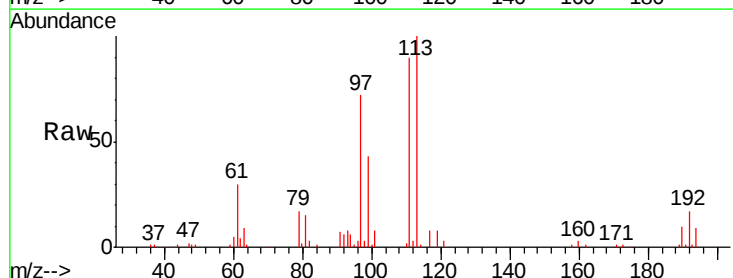
RT: 5.49 min Scan# 711

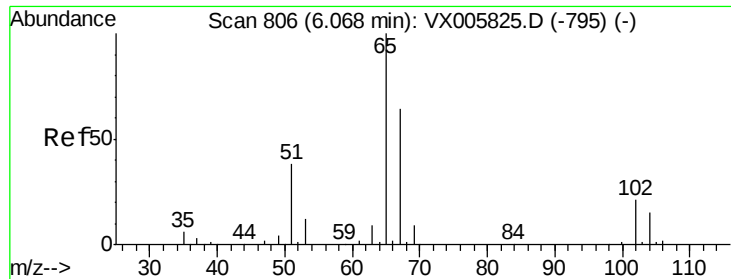
Delta R.T. -0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion:	97	Resp:	32819
Ion	Ratio	Lower	Upper
97	100		
99	61.0	52.3	78.5
61	43.3	35.2	52.8





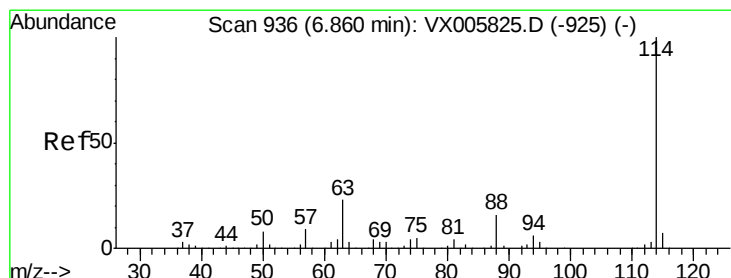
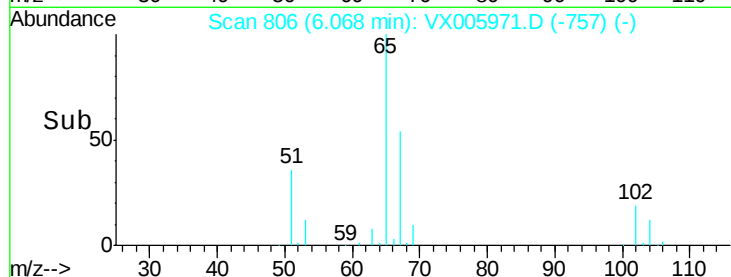
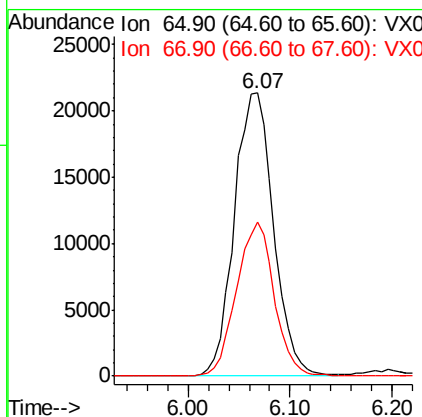
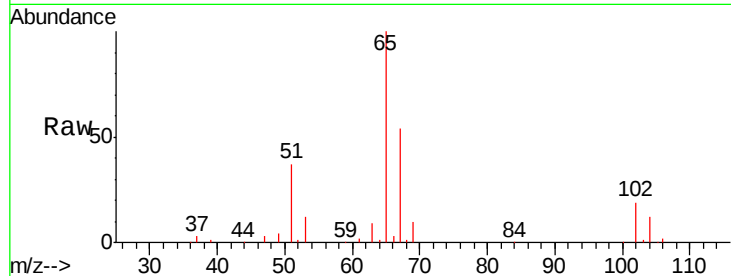
#33
 1,2-Dichloroethane-d4
 Concen: 46.72 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Tgt Ion: 65 Resp: 56924
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0

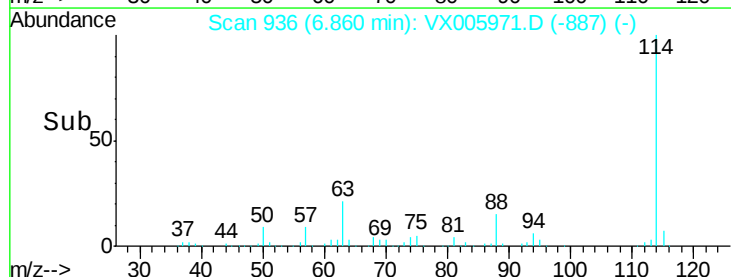
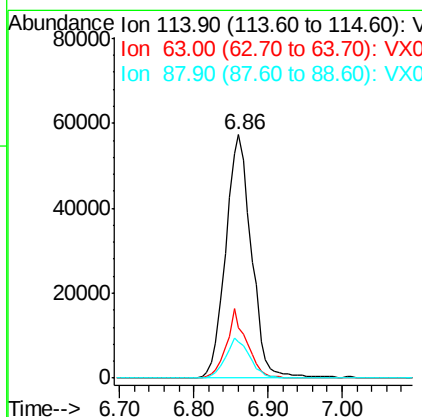
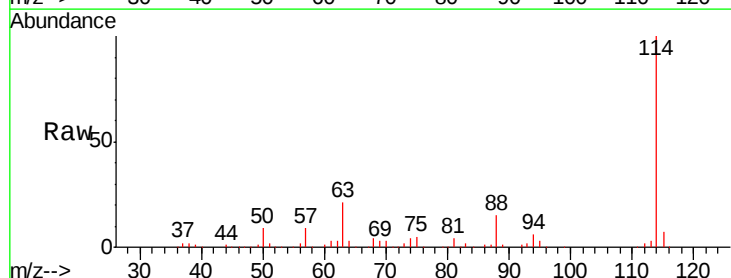
Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:05:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Tgt Ion: 114 Resp: 138283
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.8
 88 14.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.71 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

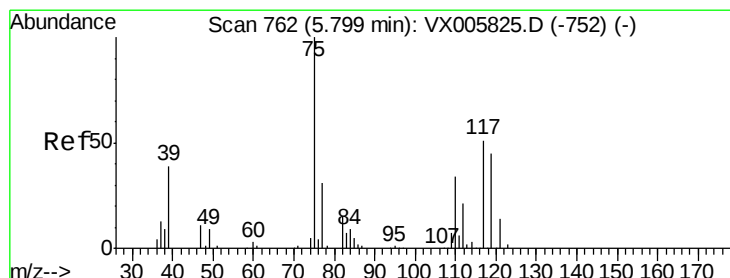
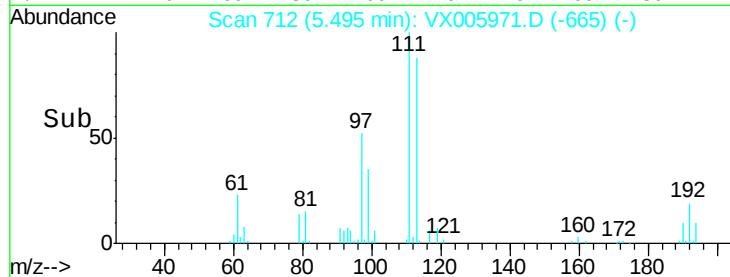
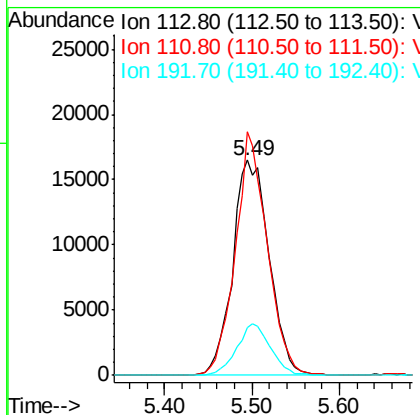
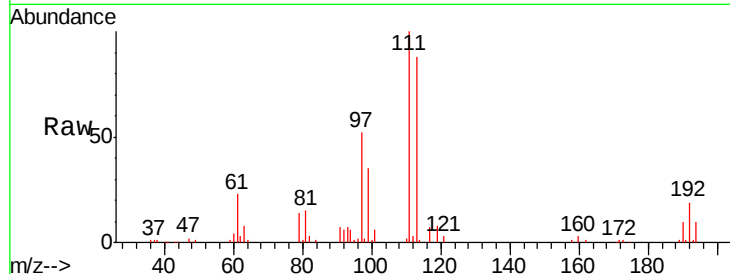
ClientSampleId :

VX1114MBS01

Tgt Ion:	113	Resp:	47693
Ion	Ratio	Lower	Upper
113	100		
111	99.4	82.3	123.5
192	22.2	17.9	26.9

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#36

1,1-Dichloropropene

Concen: 19.07 ug/l

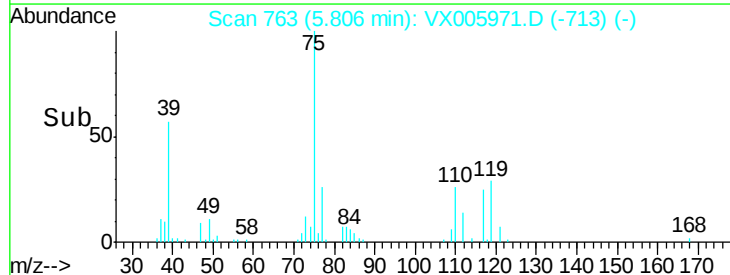
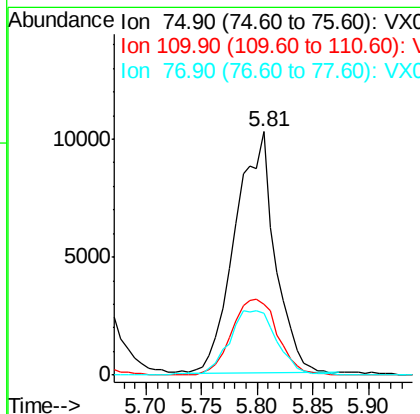
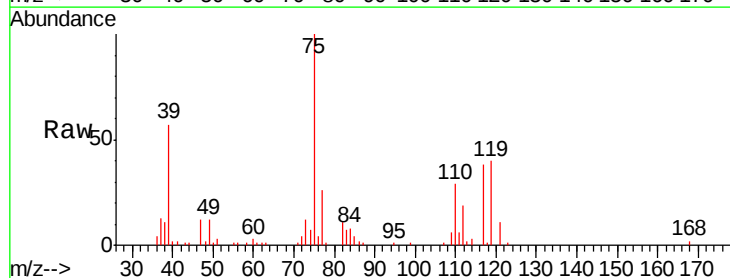
RT: 5.81 min Scan# 763

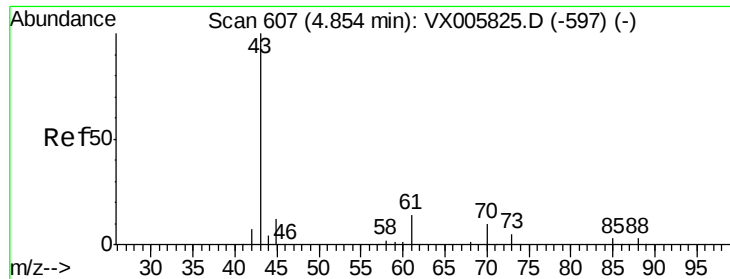
Delta R.T. 0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion:	75	Resp:	25424
Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.4	52.2
77	32.2	25.8	38.6





#37

Ethyl Acetate

Concen: 20.14 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

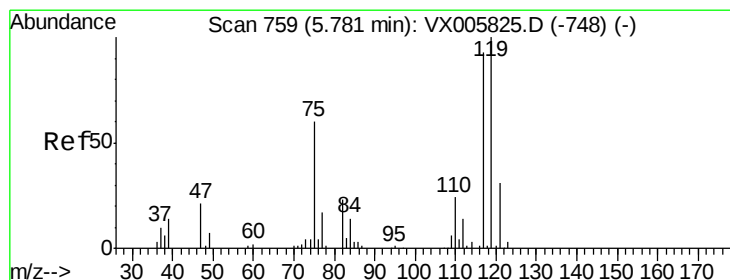
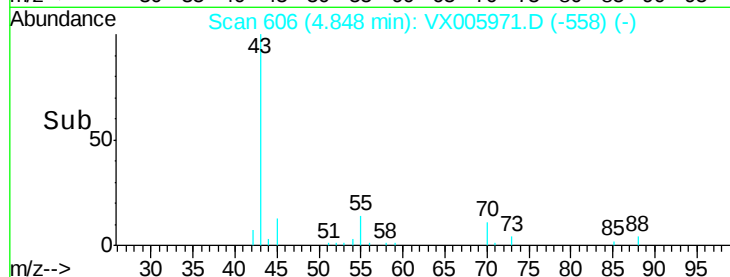
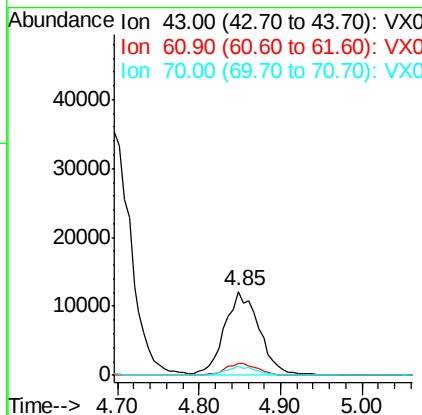
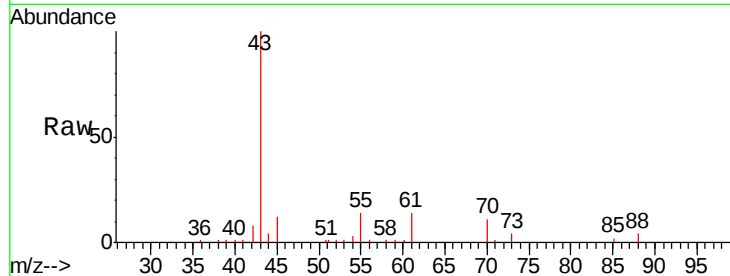
ClientSampleId :

VX1114MBS01

Tgt Ion:	43	Resp:	35314
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.8	16.2
70	9.8	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#38

Carbon Tetrachloride

Concen: 20.85 ug/l

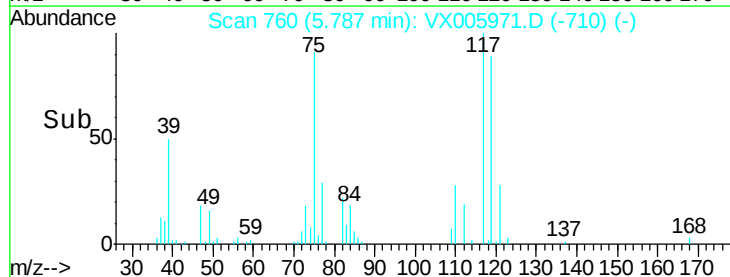
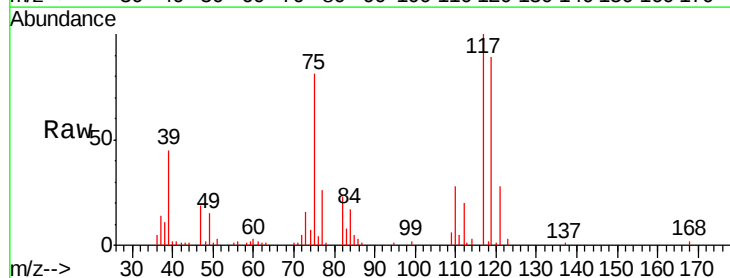
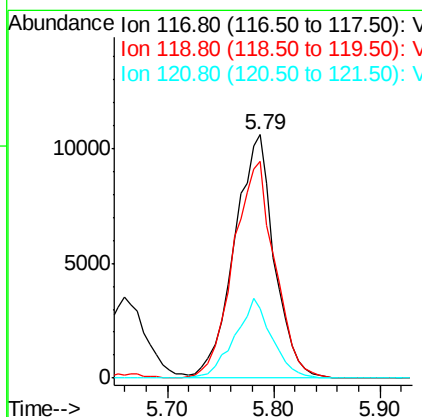
RT: 5.79 min Scan# 760

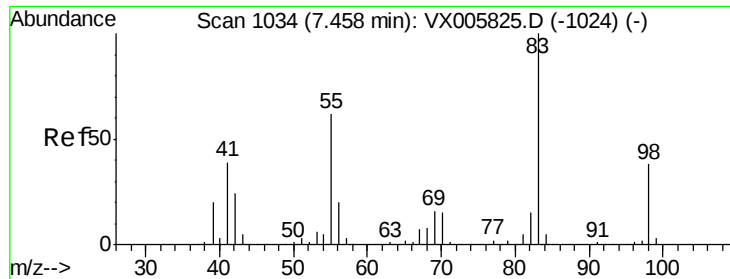
Delta R.T. 0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion:	117	Resp:	27824
Ion	Ratio	Lower	Upper
117	100		
119	89.2	78.1	117.1
121	28.3	24.6	36.8





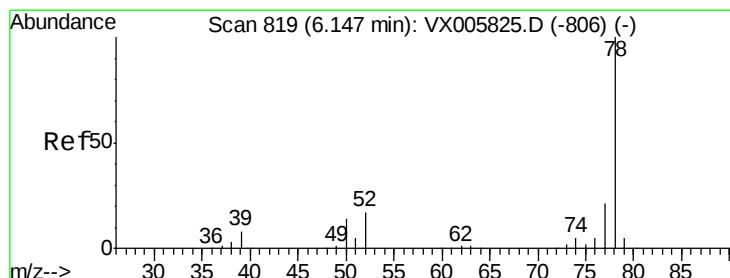
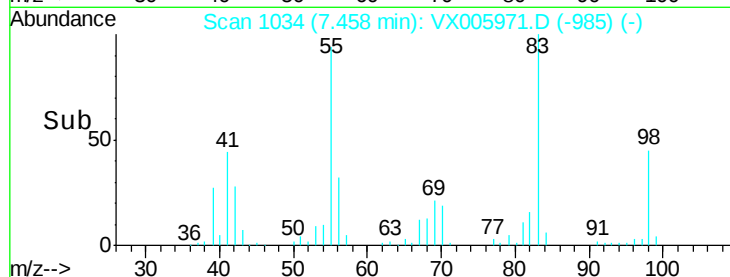
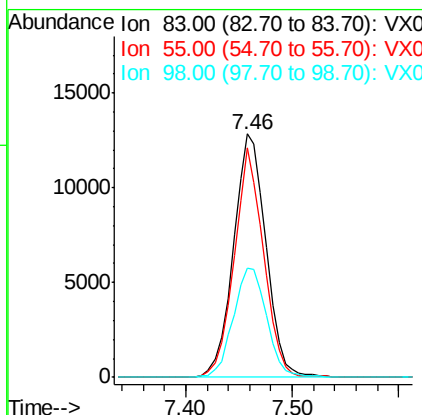
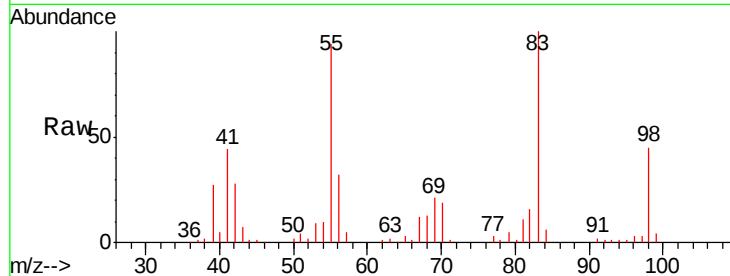
#39
Methylcyclohexane
Concen: 20.21 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	94.3	63.7	95.5
98	44.9	36.2	54.2

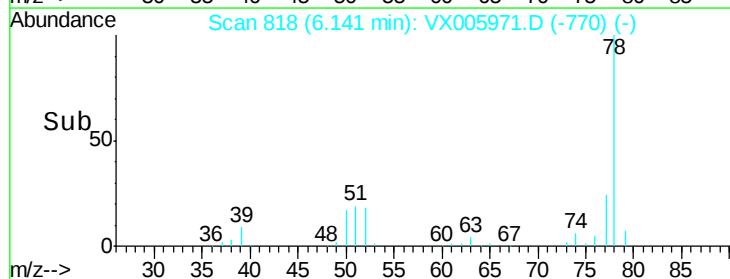
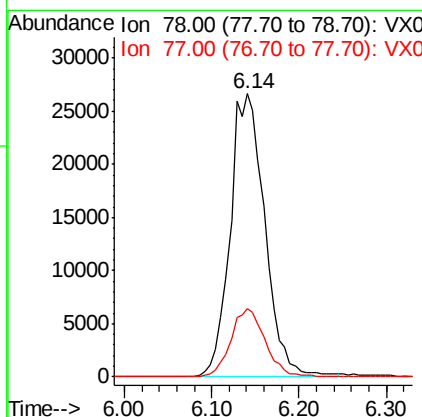
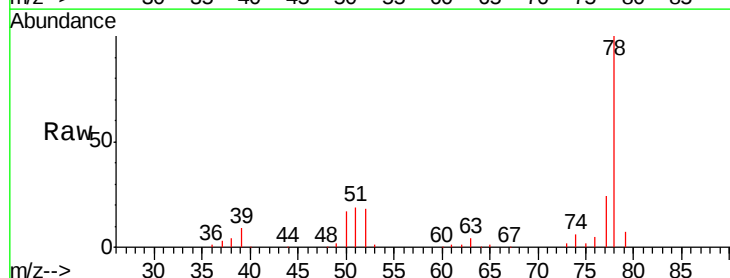
Manual Integrations
APPROVED

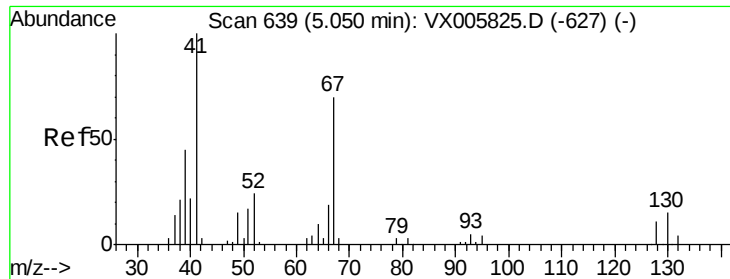
MMDadoda
11/15/2018 1:05:00 PM



#40
Benzene
Concen: 18.84 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.4	27.6





#41

Methacrylonitrile

Concen: 20.47 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

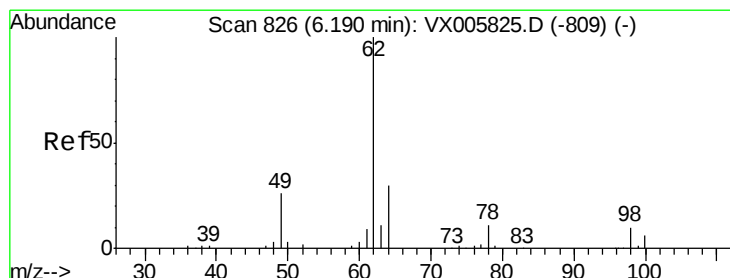
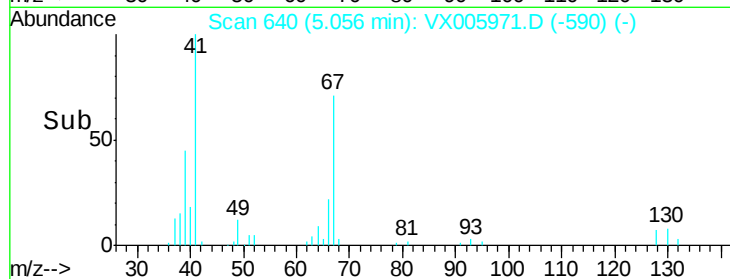
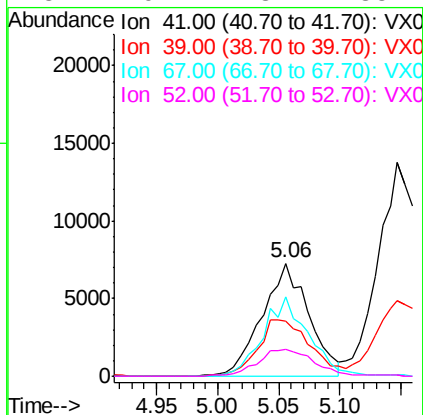
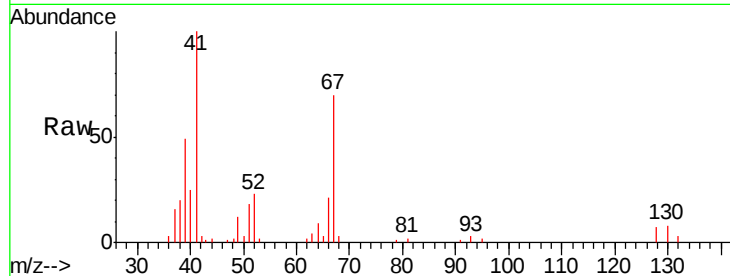
ClientSampleId :

VX1114MBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	42.2	63.2	
67	68.4	53.4	80.0	
52	29.2	23.4	35.2	

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#42

1,2-Dichloroethane

Concen: 20.06 ug/l

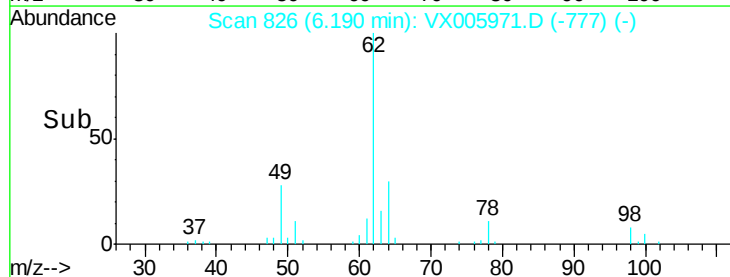
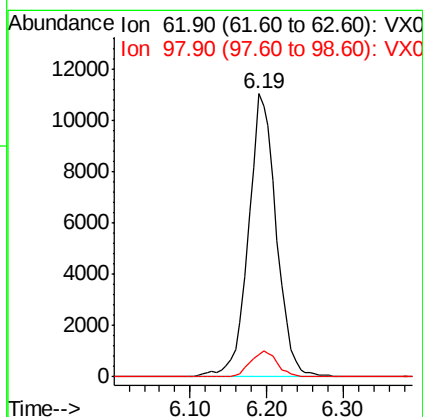
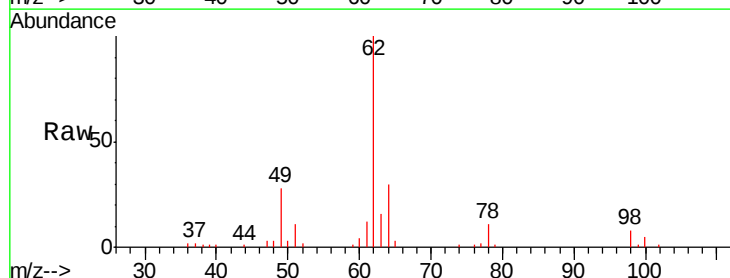
RT: 6.19 min Scan# 826

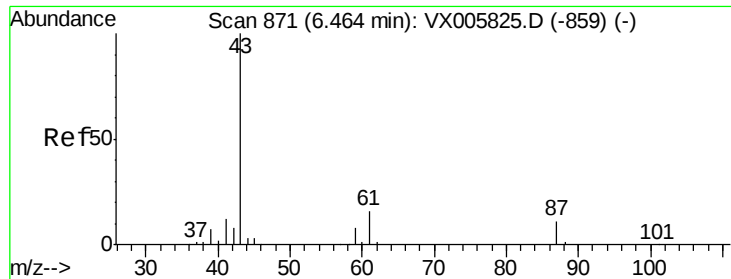
Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	17.8	





#43

Isopropyl Acetate

Concen: 18.67 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

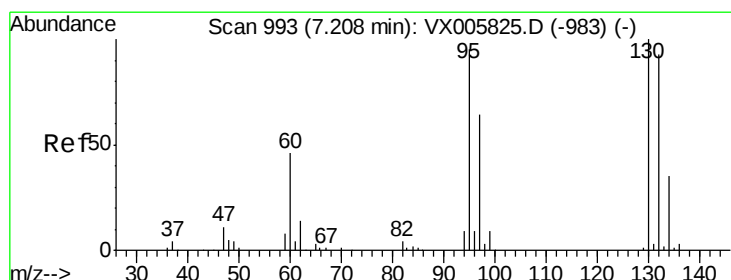
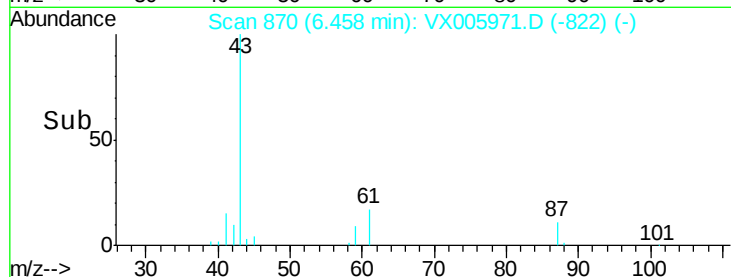
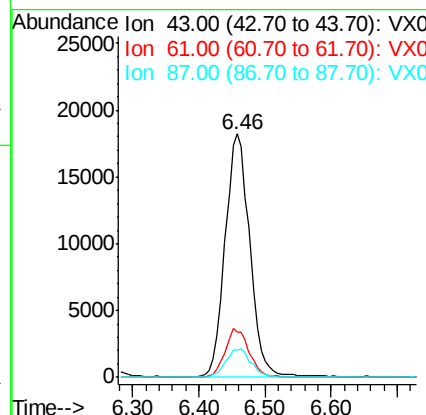
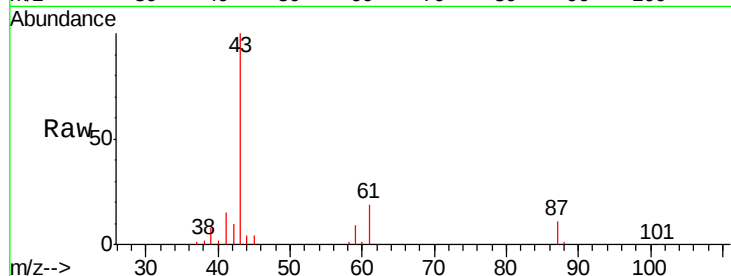
ClientSampleId :

VX1114MBS01

Tgt Ion:	43	Resp:	47421
Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.6	22.0
87	11.9	9.6	14.4

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#44

Trichloroethene

Concen: 19.63 ug/l

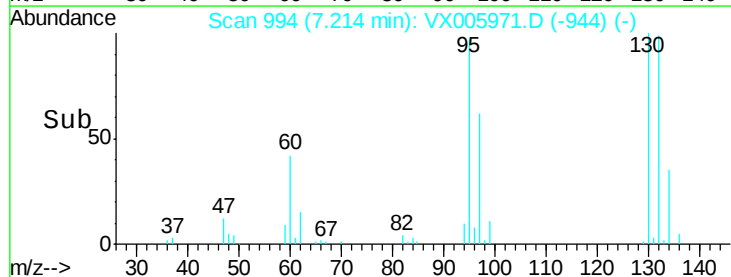
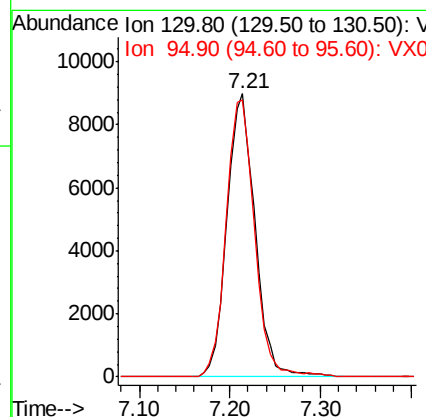
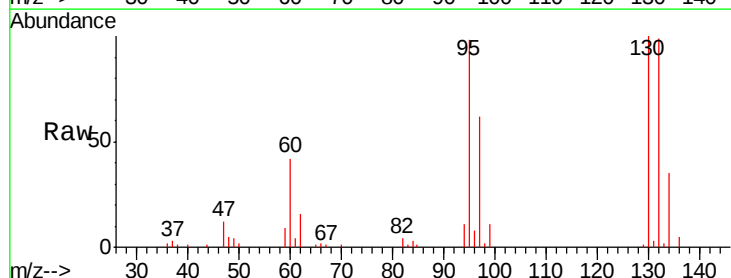
RT: 7.21 min Scan# 994

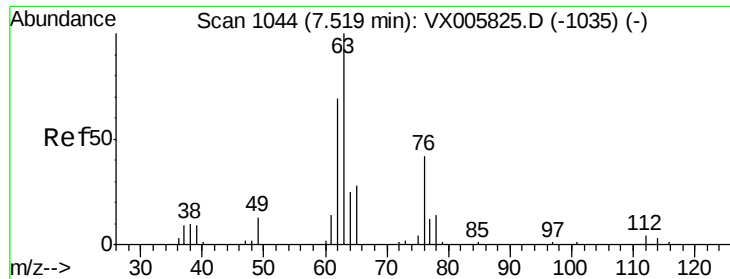
Delta R.T. 0.01 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion:	130	Resp:	19373
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	194.2





#45

1,2-Dichloropropane

Concen: 22.05 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS01

Tgt Ion: 63 Resp: 20802

Ion Ratio Lower Upper

63 100

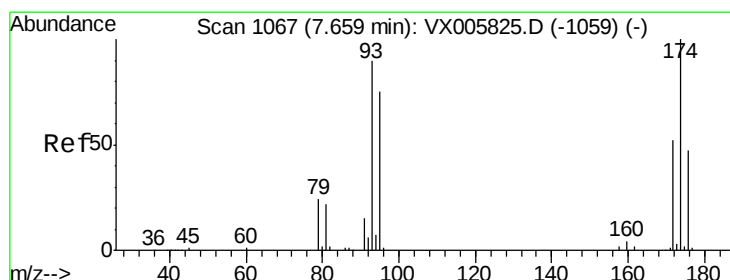
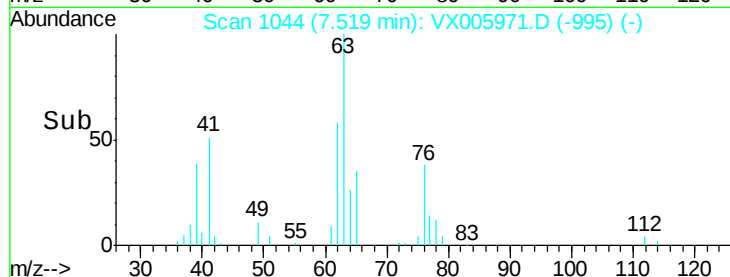
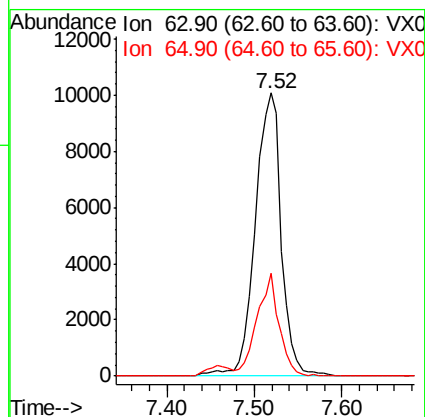
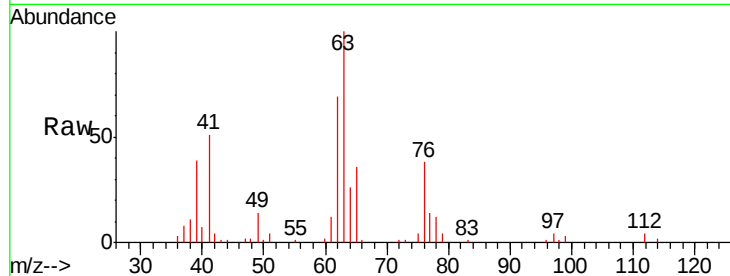
65 36.5 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:05:00 PM



#46

Dibromomethane

Concen: 21.69 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

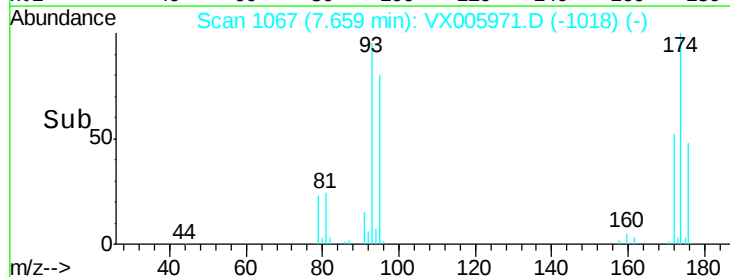
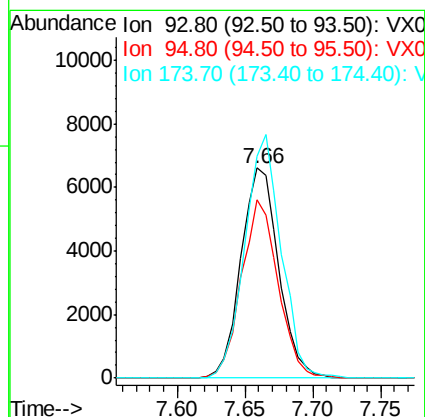
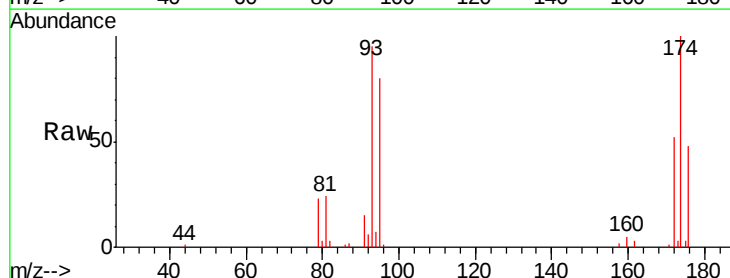
Tgt Ion: 93 Resp: 12839

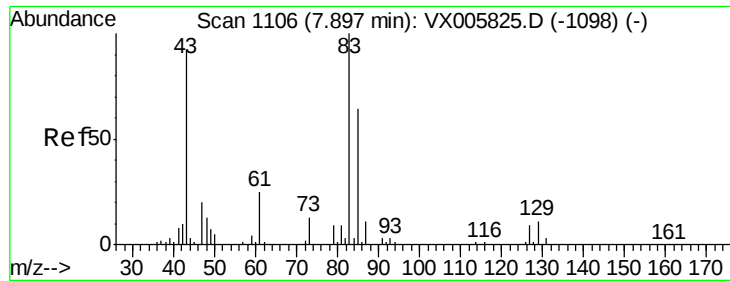
Ion Ratio Lower Upper

93 100

95 82.4 67.4 101.0

174 112.0 91.5 137.3





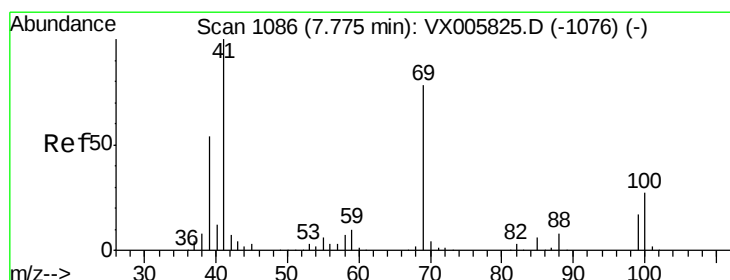
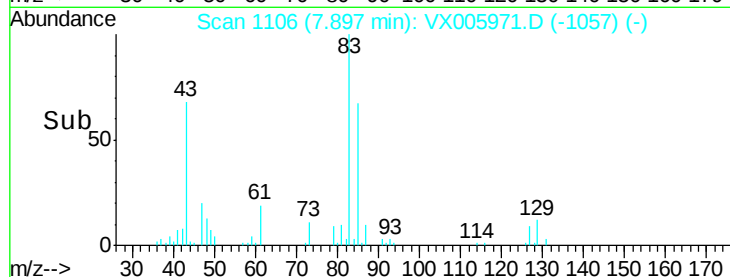
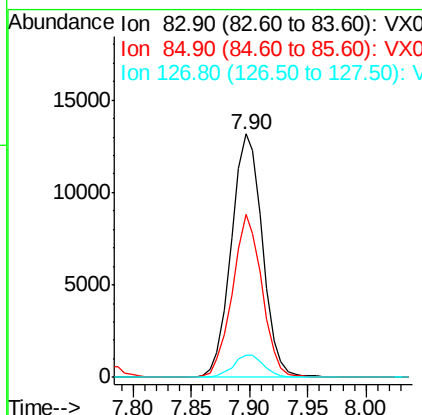
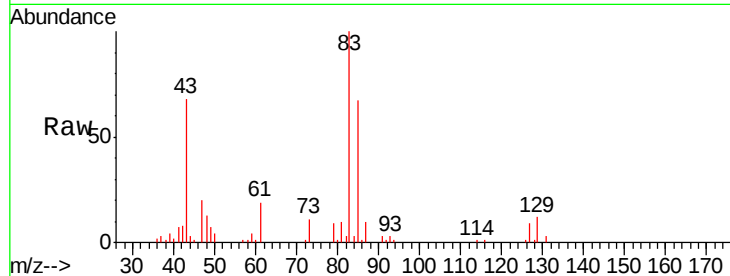
#47
 Bromodichloromethane
 Concen: 21.92 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	50.2	75.4
127	9.3	6.9	10.3

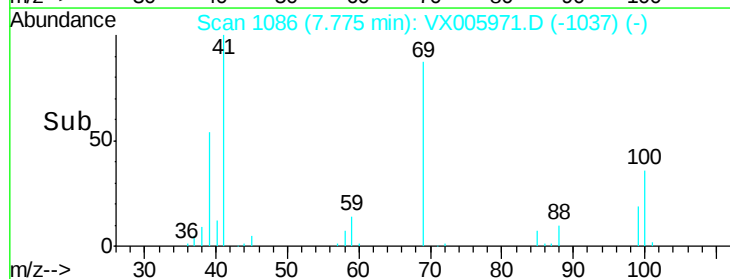
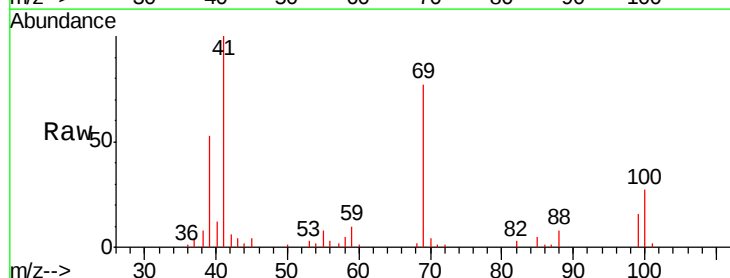
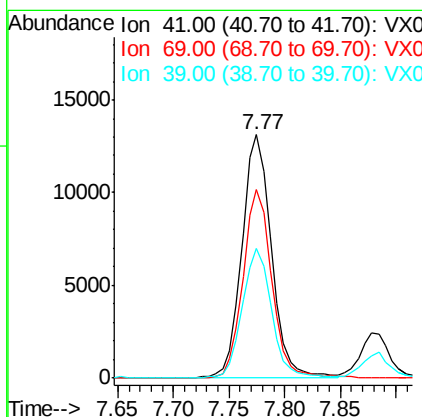
Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:05:00 PM



#48
 Methyl methacrylate
 Concen: 21.28 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.5	63.2	94.8
39	53.0	42.2	63.2





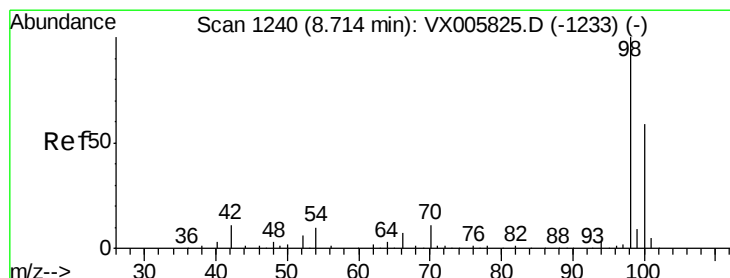
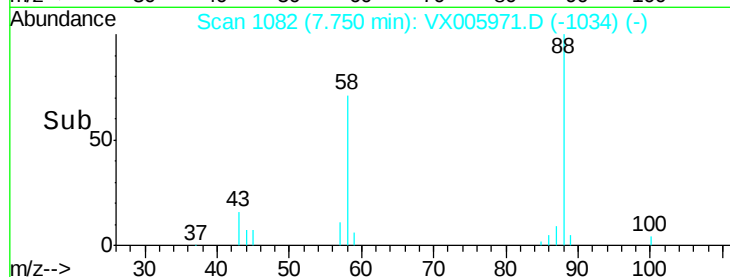
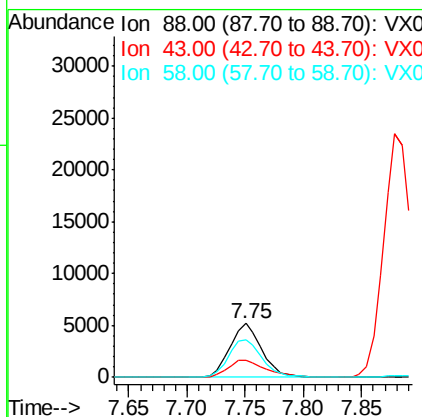
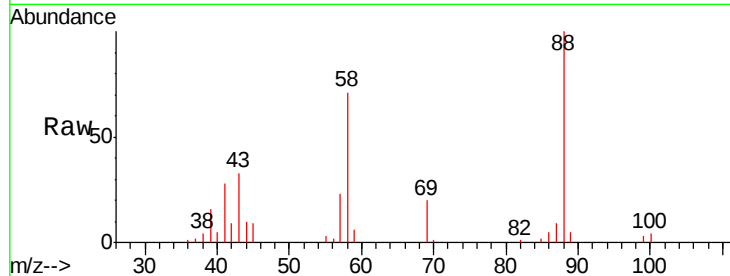
#49
 1,4-Dioxane
 Concen: 399.63 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.3	27.4	41.0
58	73.9	59.4	89.2

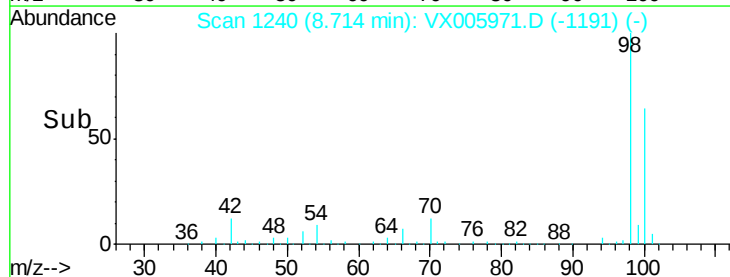
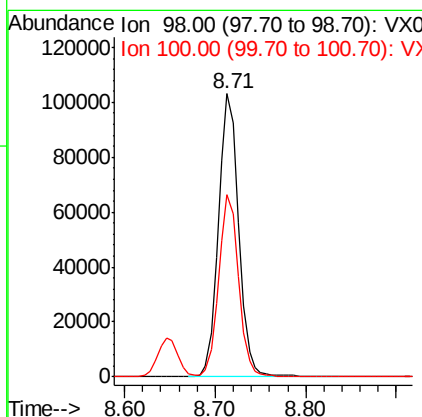
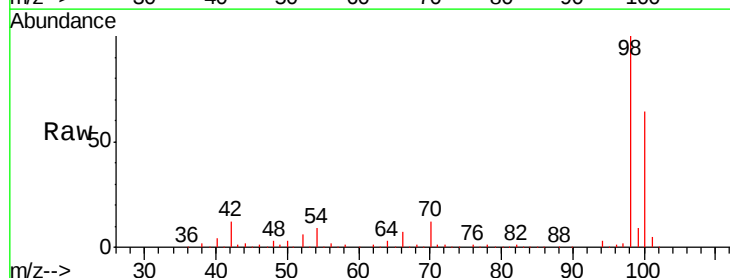
Manual Integrations
 APPROVED

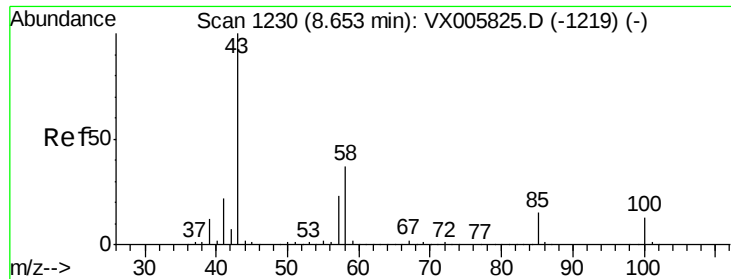
MMDadoda
 11/15/2018 1:05:00 PM



#50
 Toluene-d8
 Concen: 51.41 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.3	76.9





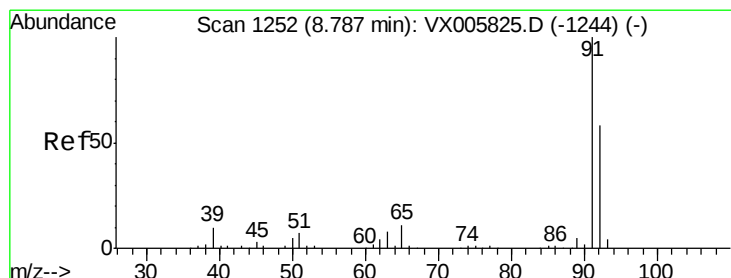
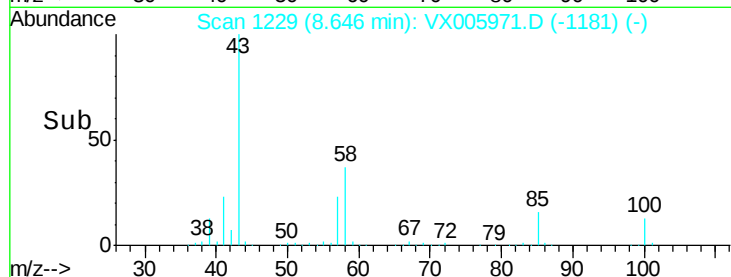
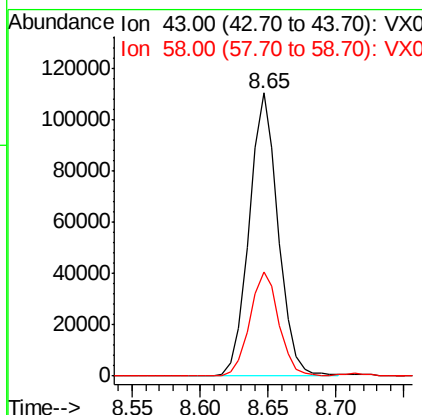
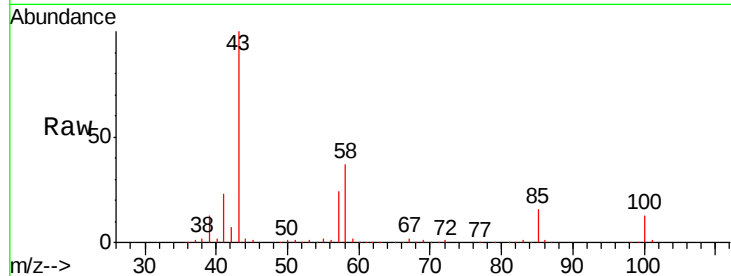
#51
4-Methyl-2-Pentanone
Concen: 103.12 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion: 43 Resp: 165091
Ion Ratio Lower Upper
43 100
58 37.1 29.7 44.5

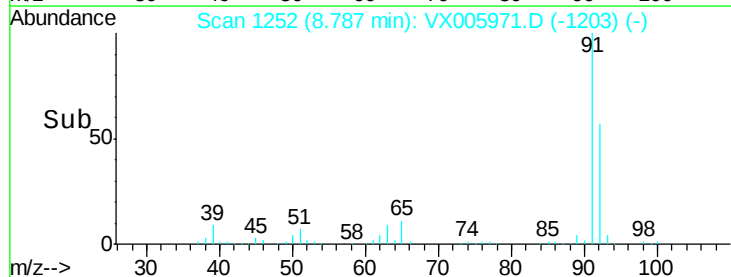
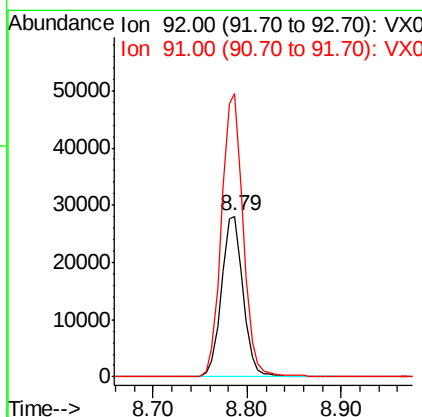
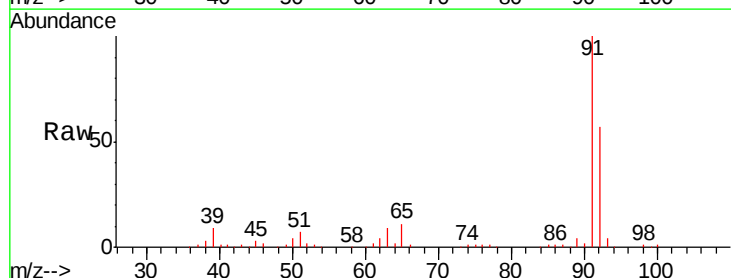
Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#52
Toluene
Concen: 20.60 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion: 92 Resp: 44744
Ion Ratio Lower Upper
92 100
91 176.4 140.4 210.6





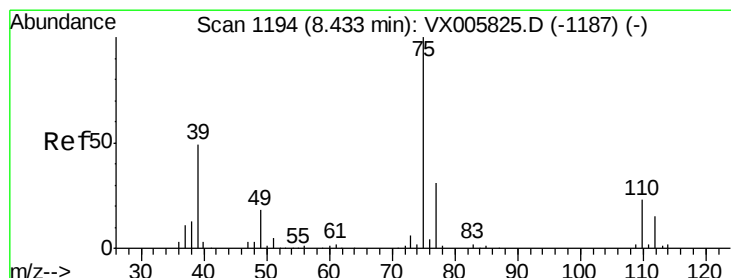
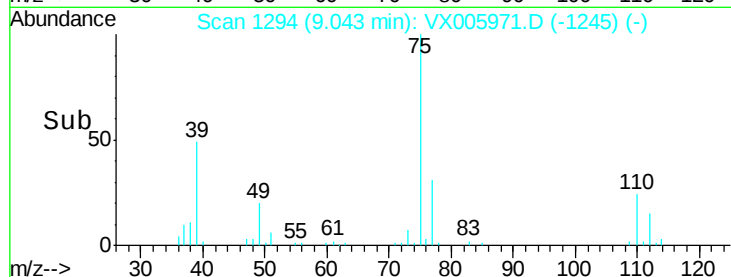
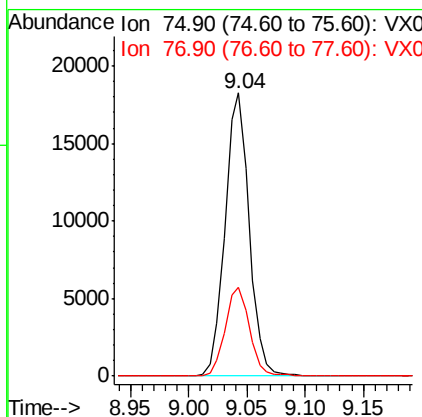
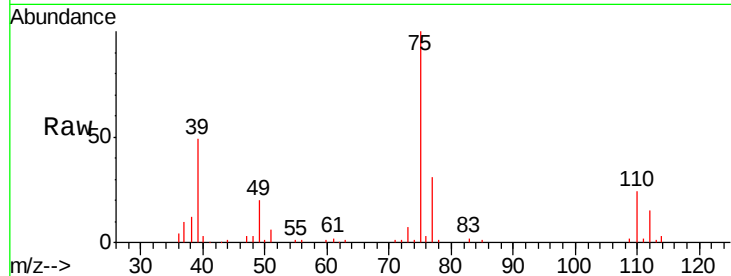
#53
t-1,3-Dichloropropene
Concen: 19.85 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion: 75 Resp: 26207
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

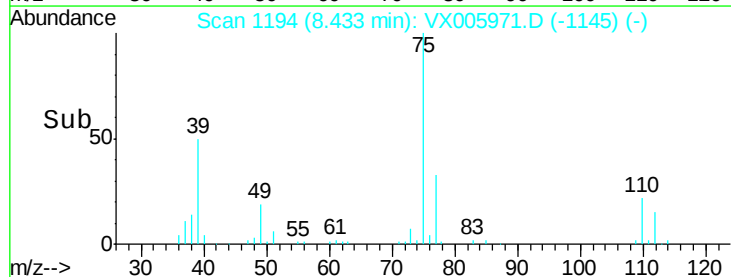
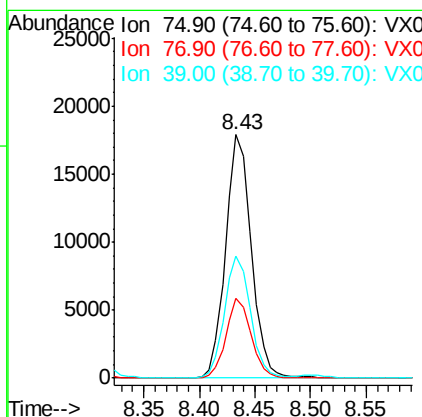
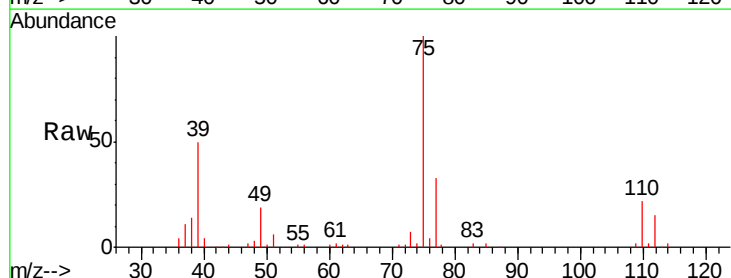
Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#54
cis-1,3-Dichloropropene
Concen: 21.39 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion: 75 Resp: 28786
Ion Ratio Lower Upper
75 100
77 32.5 25.2 37.8
39 50.0 38.2 57.2





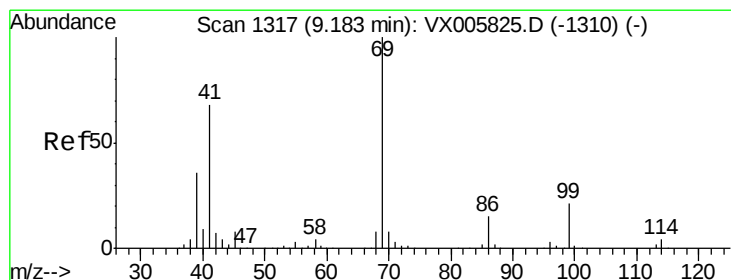
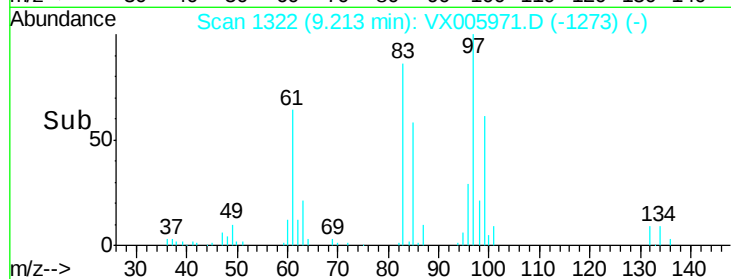
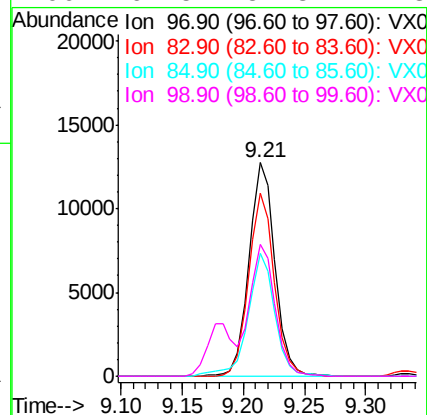
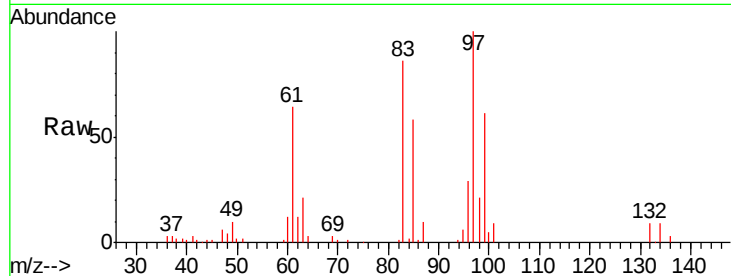
#55
 1,1,2-Trichloroethane
 Concen: 19.49 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.7	106.1
85	57.6	45.8	68.6
99	61.5	51.8	77.8

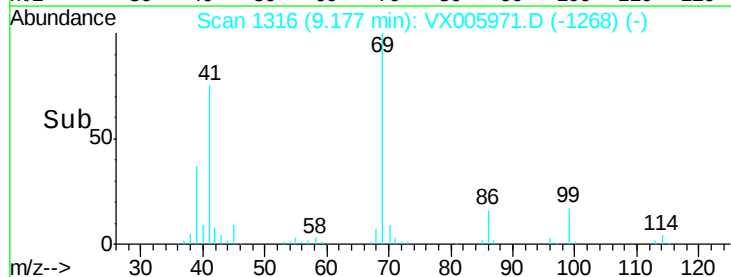
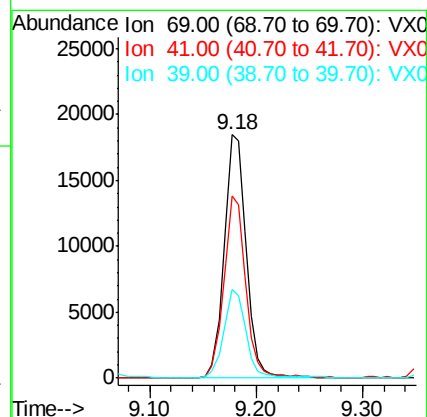
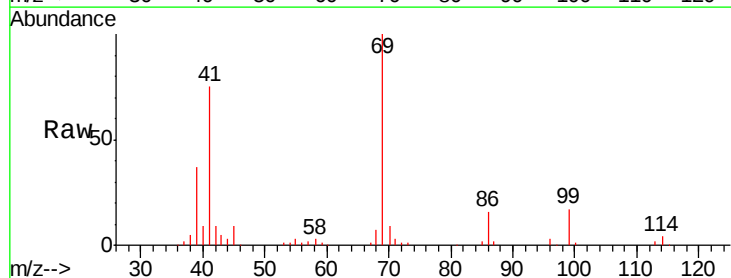
Manual Integrations
 APPROVED

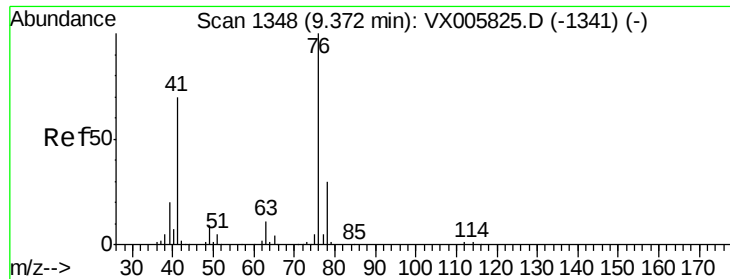
MMDadoda
 11/15/2018 1:05:00 PM



#56
 Ethyl methacrylate
 Concen: 18.50 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.7	57.0	85.6
39	38.0	28.3	42.5





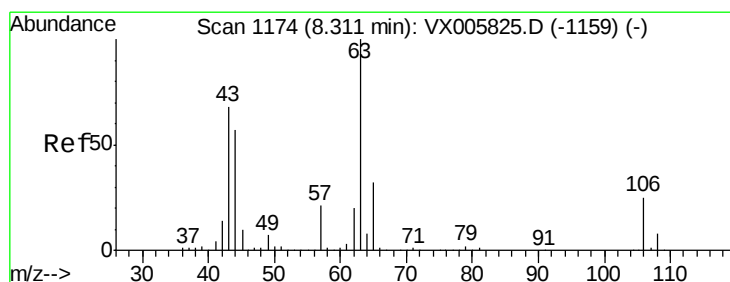
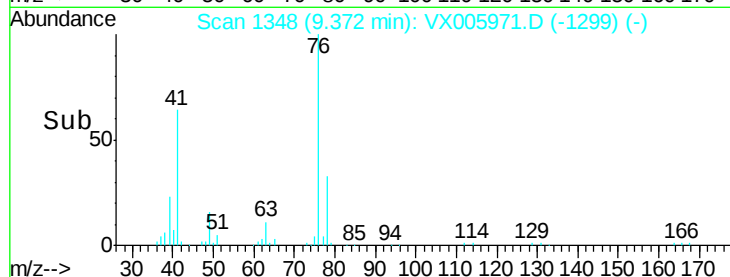
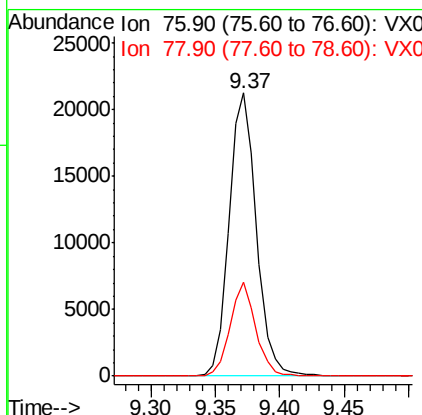
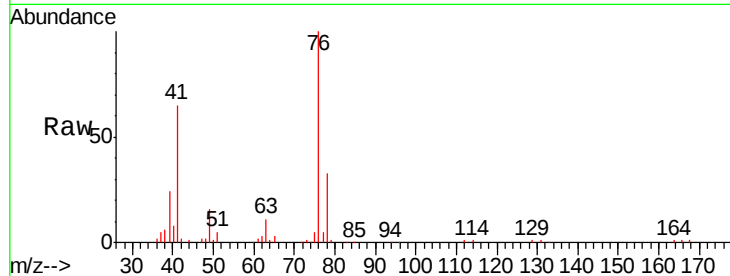
#57
 1,3-Dichloropropane
 Concen: 19.33 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Tgt Ion: 76 Resp: 31443
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.3 37.9

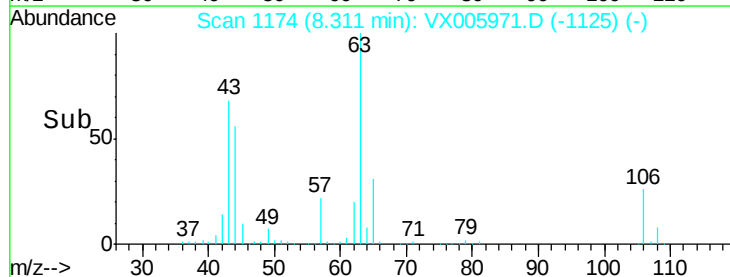
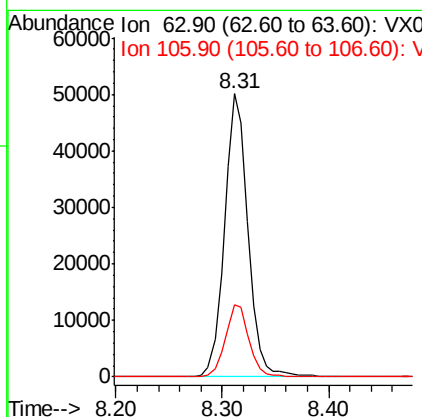
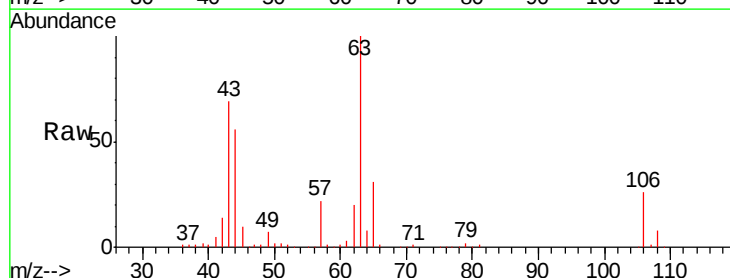
Manual Integrations
 APPROVED

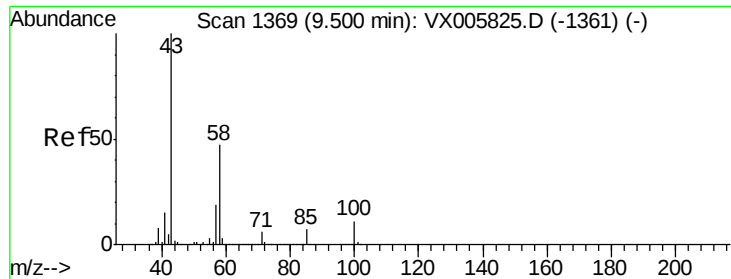
MMDadoda
 11/15/2018 1:05:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.59 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Tgt Ion: 63 Resp: 76979
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.3 31.9





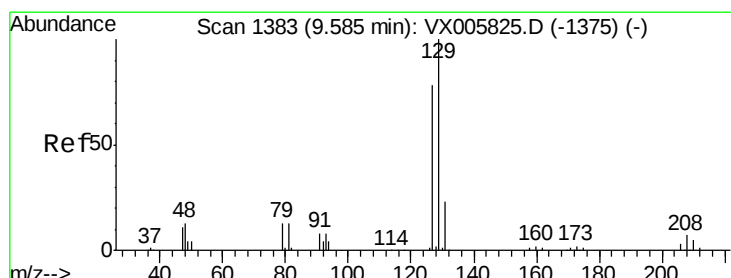
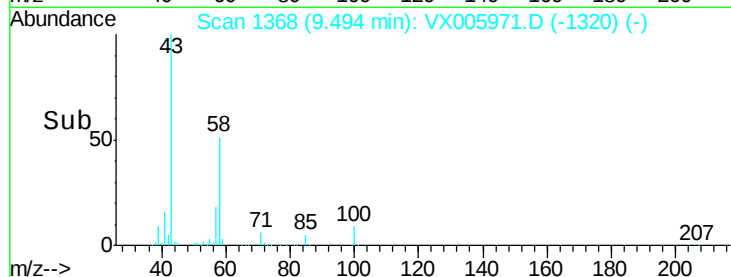
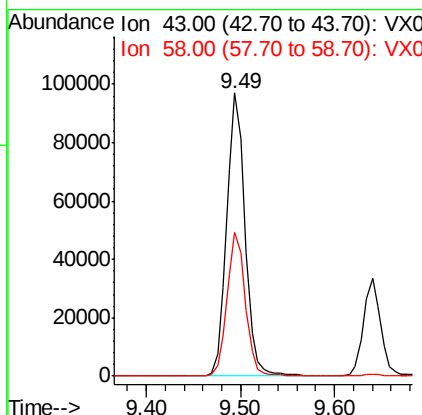
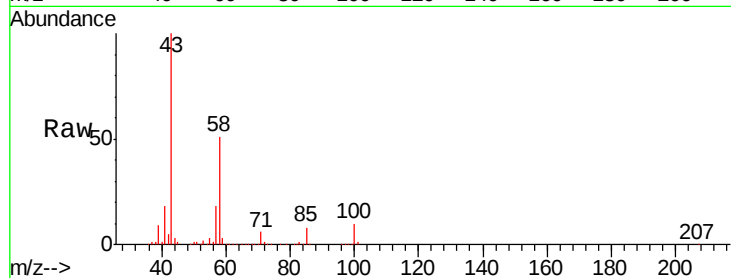
#59
2-Hexanone
Concen: 93.04 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion: 43 Resp: 131295
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.8

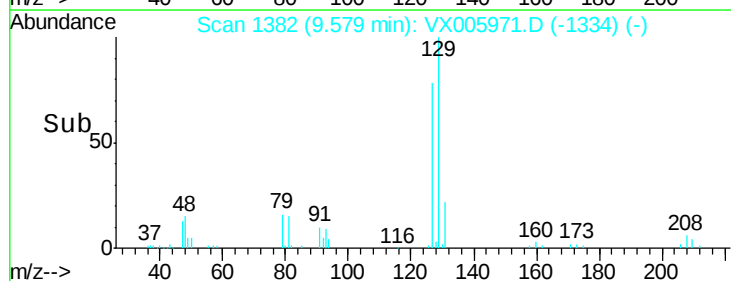
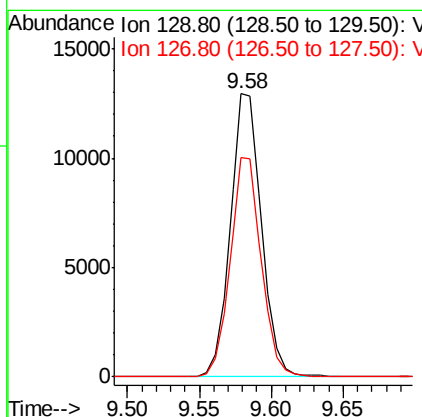
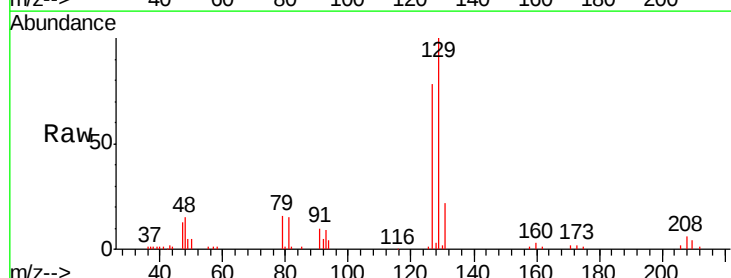
Manual Integrations
APPROVED

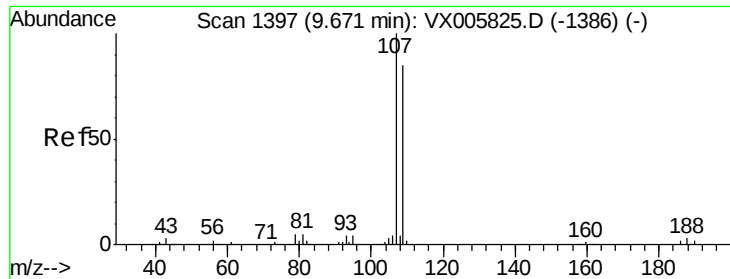
MMDadoda
11/15/2018 1:05:00 PM



#60
Dibromochloromethane
Concen: 18.64 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion: 129 Resp: 19501
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





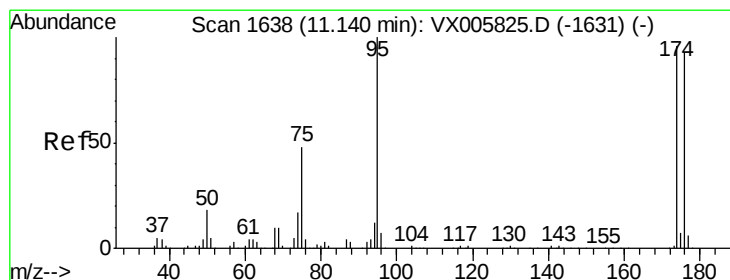
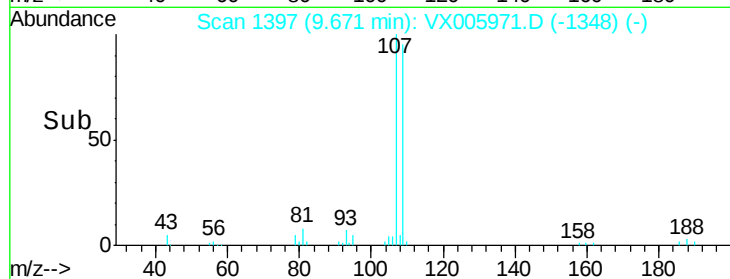
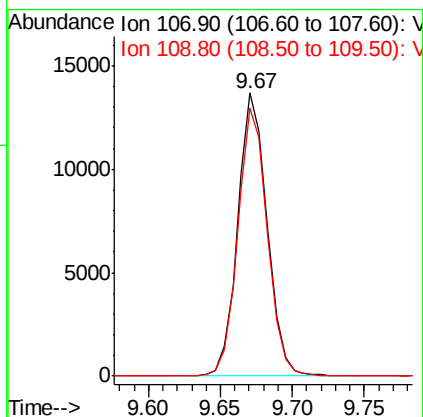
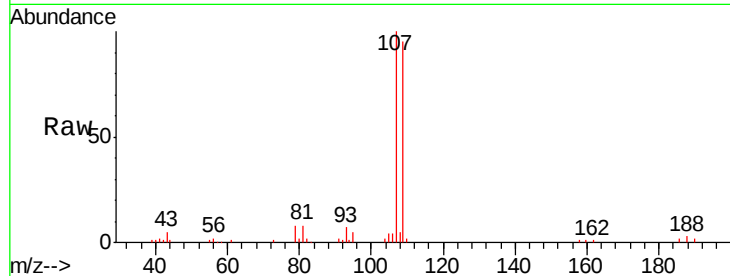
#61
 1,2-Dibromoethane
 Concen: 18.04 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Tgt Ion: 107 Resp: 19314
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.7 113.5

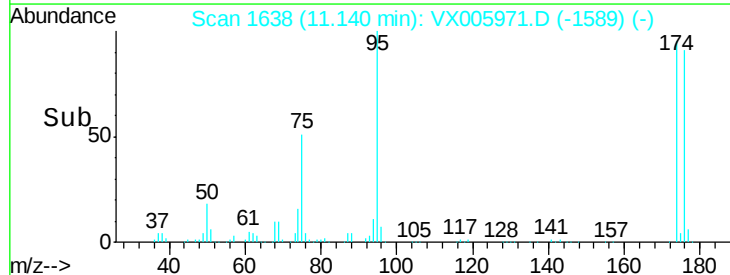
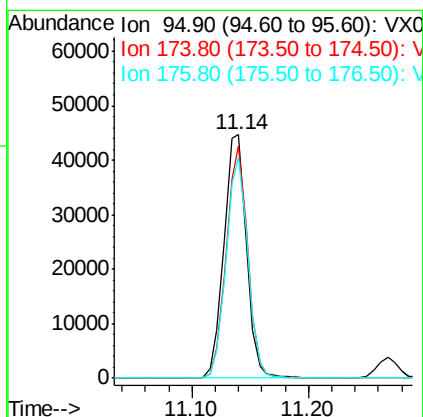
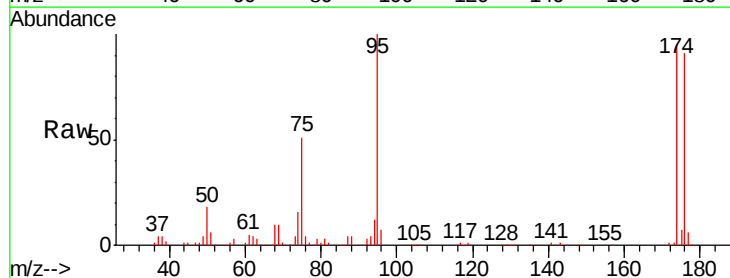
Manual Integrations
 APPROVED

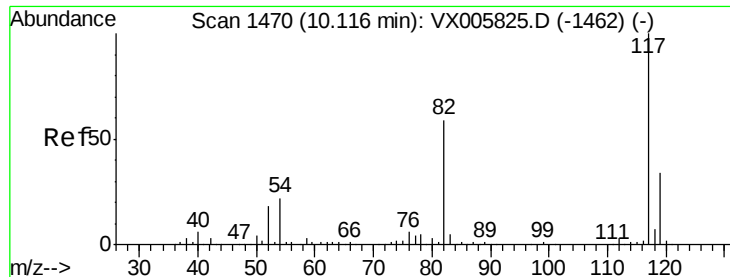
MMDadoda
 11/15/2018 1:05:00 PM



#62
 4-Bromofluorobenzene
 Concen: 53.15 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Tgt Ion: 95 Resp: 59752
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 184.4
 176 87.9 0.0 177.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

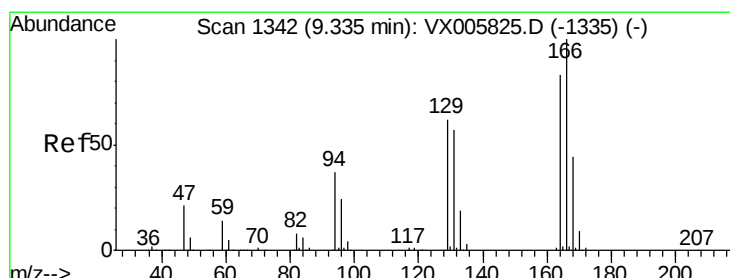
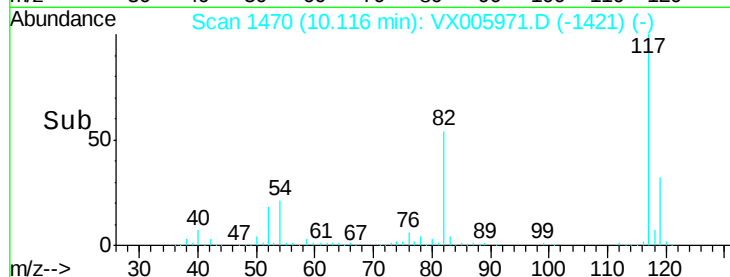
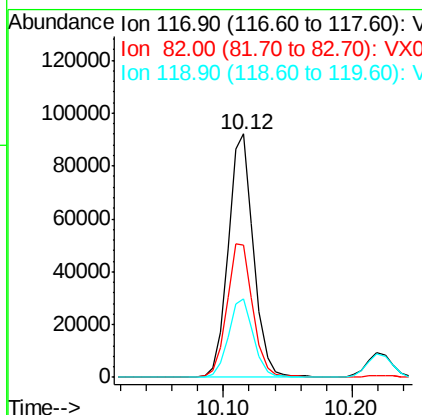
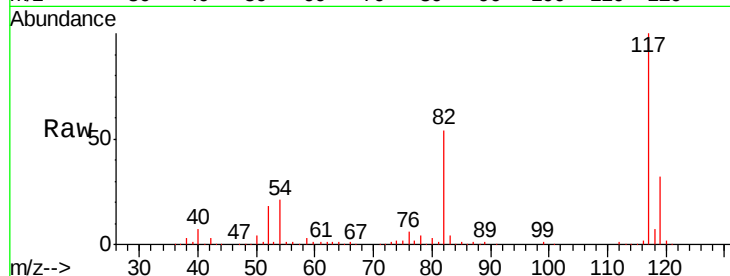
ClientSampleId :

VX1114MBS01

Tgt Ion:	117	Resp:	126187
Ion Ratio	Lower	Upper	
117	100		
82	54.5	44.1	66.1
119	32.3	26.2	39.2

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#64

Tetrachloroethene

Concen: 19.32 ug/l

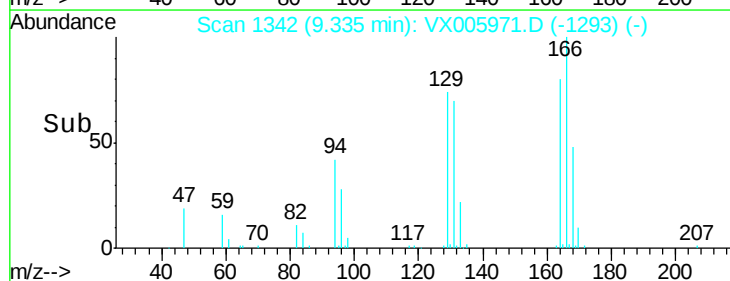
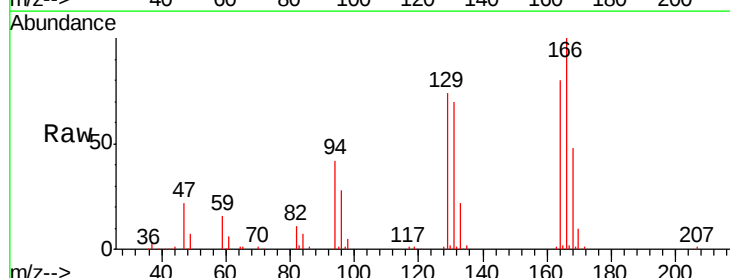
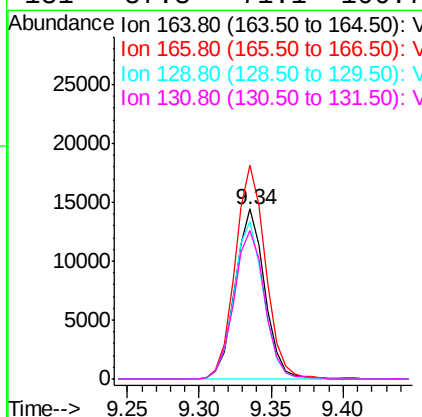
RT: 9.34 min Scan# 1342

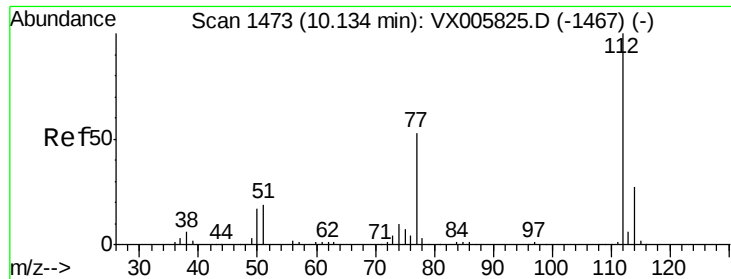
Delta R.T. -0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion:	164	Resp:	20757
Ion Ratio	Lower	Upper	
164	100		
166	125.6	101.9	152.9
129	92.5	72.6	109.0
131	87.3	71.1	106.7





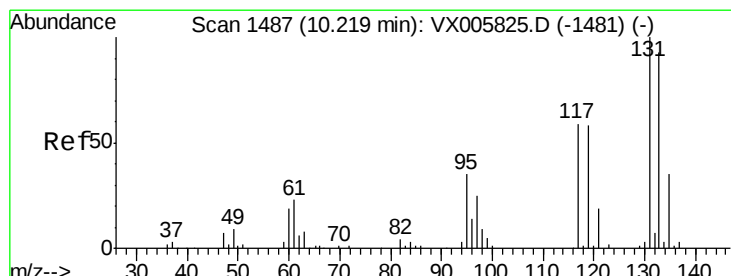
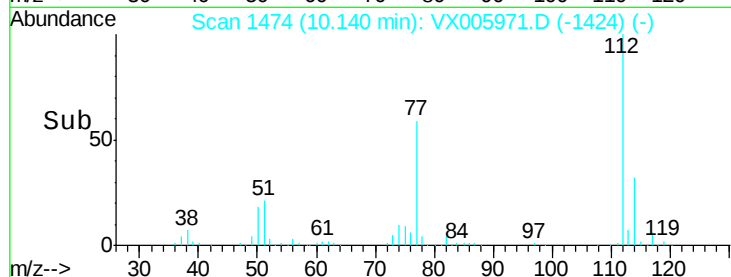
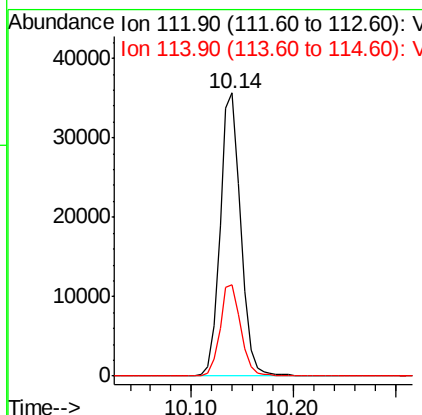
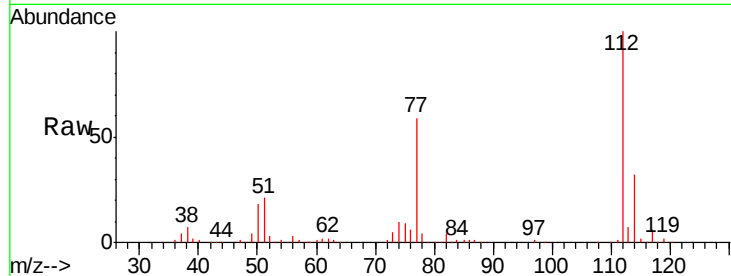
#65
Chlorobenzene
Concen: 19.91 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion:112 Resp: 50327
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

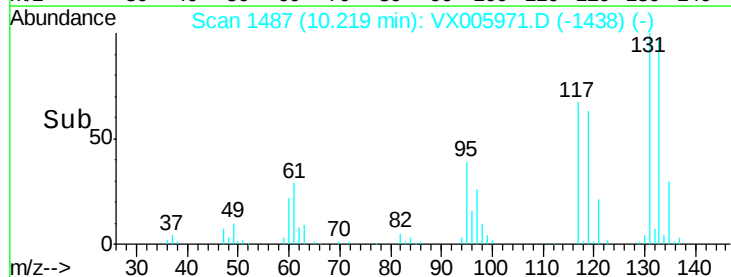
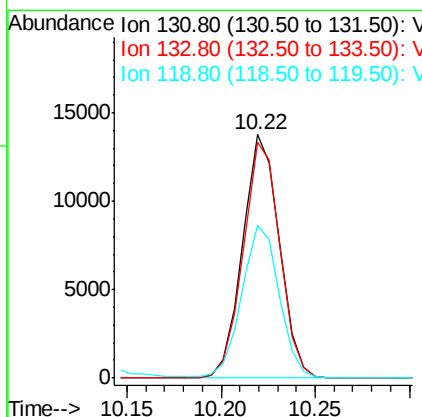
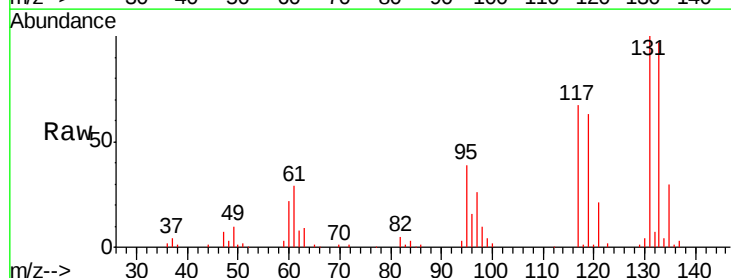
Manual Integrations
APPROVED

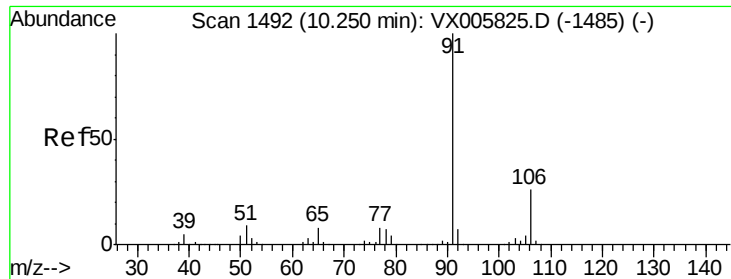
MMDadoda
11/15/2018 1:05:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.15 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion:131 Resp: 18586
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.5
119 64.3 31.8 95.3





#67

Ethyl Benzene

Concen: 20.94 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS01

Tgt Ion: 91 Resp: 84901

Ion Ratio Lower Upper

91 100

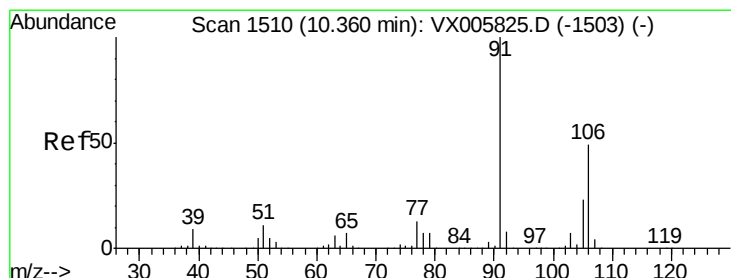
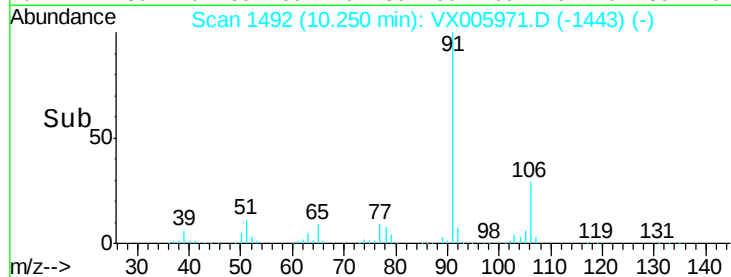
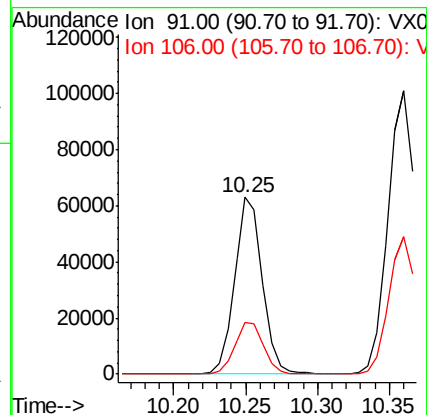
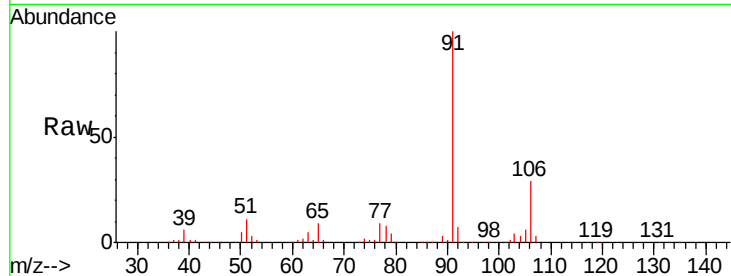
106 29.4 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:05:00 PM



#68

m/p-Xylenes

Concen: 42.63 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005971.D

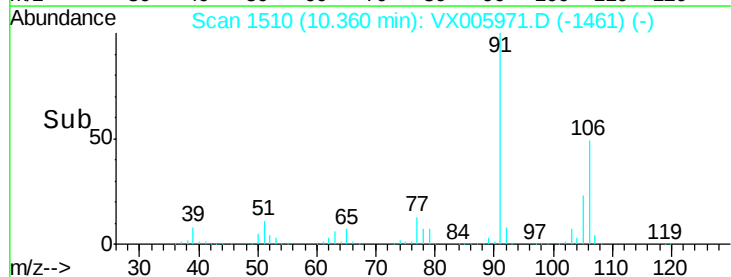
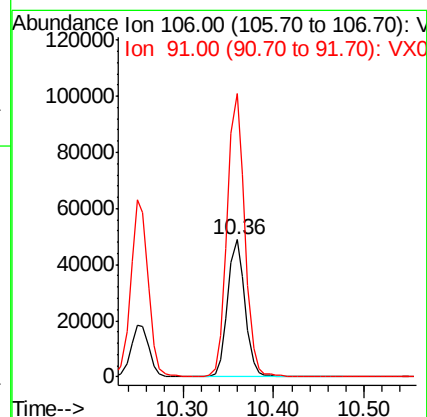
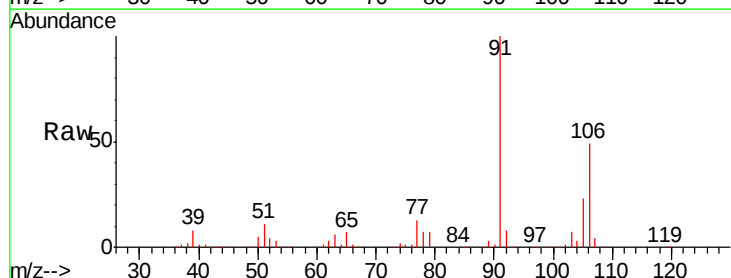
Acq: 14 Nov 2018 13:55

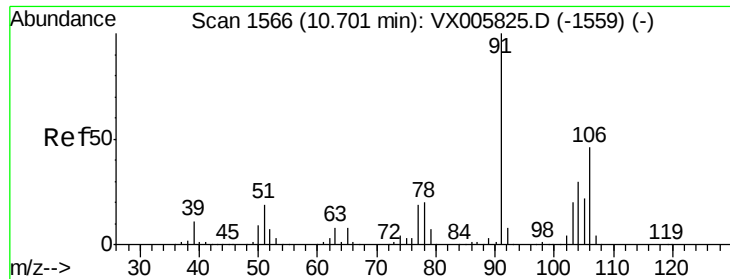
Tgt Ion: 106 Resp: 65909

Ion Ratio Lower Upper

106 100

91 208.4 164.2 246.4





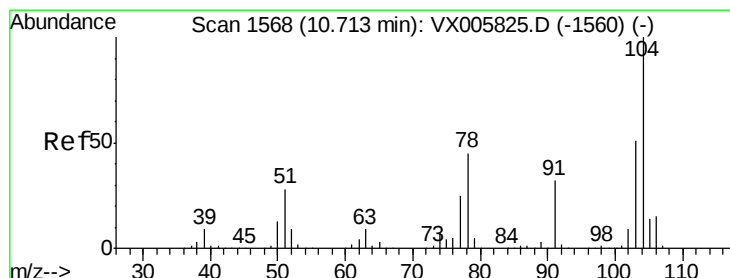
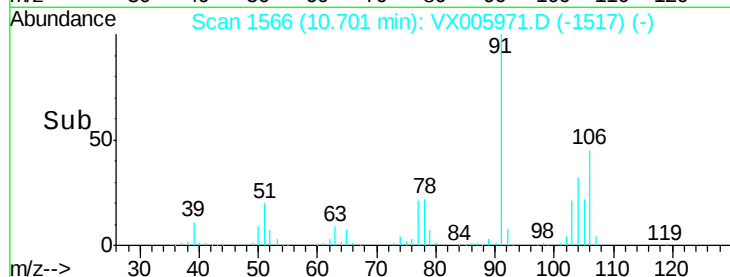
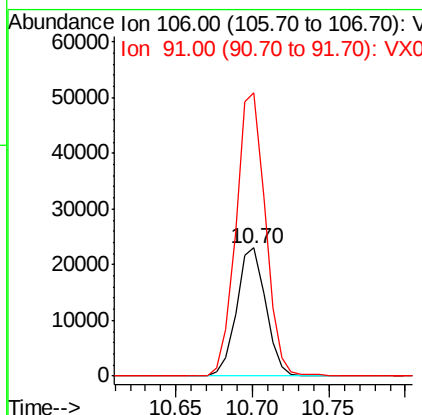
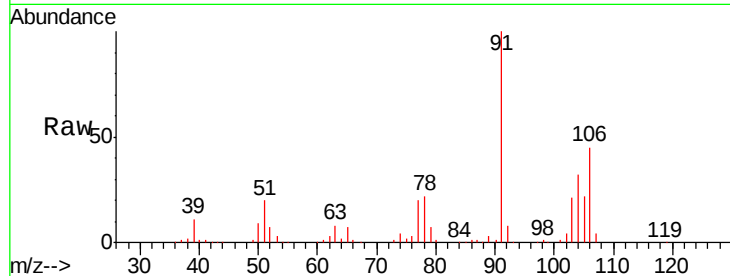
#69
o-Xylene
Concen: 22.00 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion:106 Resp: 30503
Ion Ratio Lower Upper
106 100
91 223.1 108.5 325.5

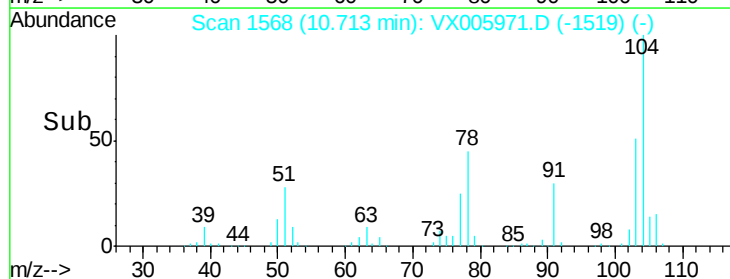
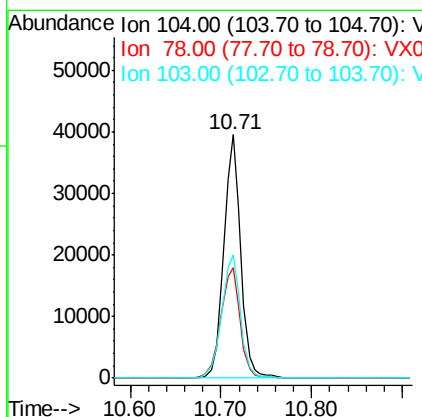
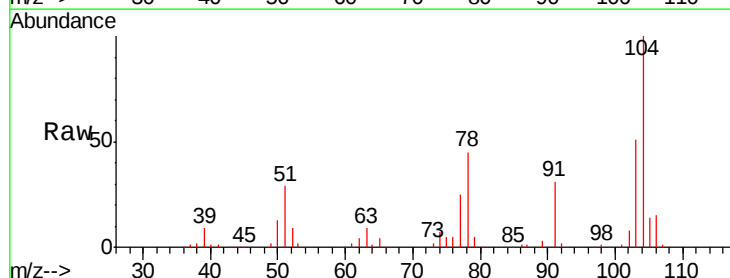
Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#70
Styrene
Concen: 22.70 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion:104 Resp: 51922
Ion Ratio Lower Upper
104 100
78 51.8 40.2 60.4
103 56.2 44.9 67.3





#71

Bromoform

Concen: 21.65 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

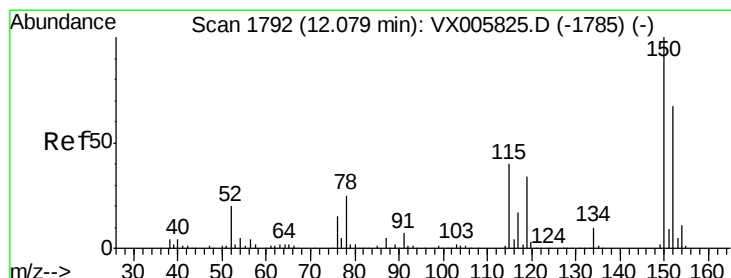
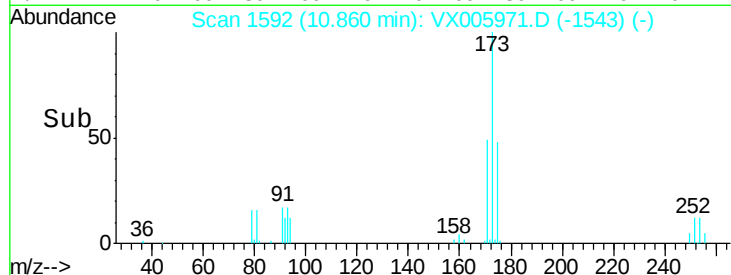
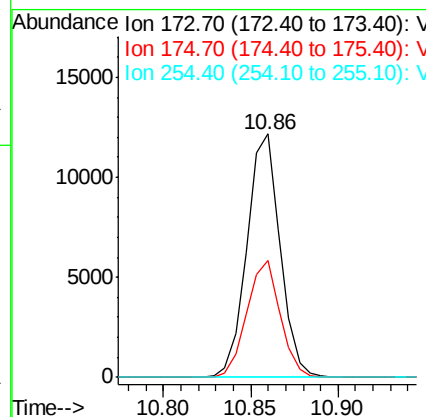
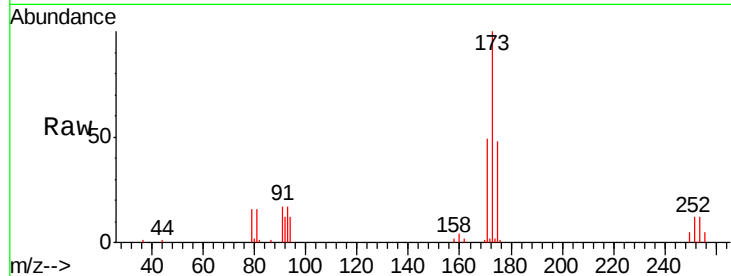
ClientSampleId :

VX1114MBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

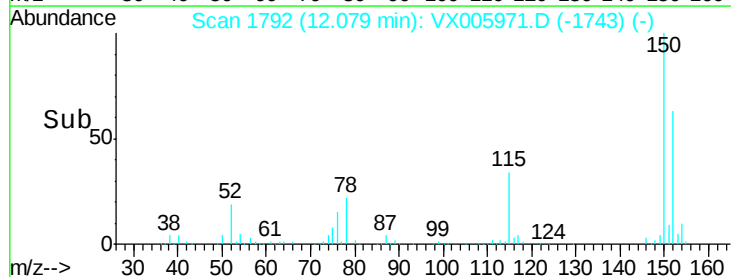
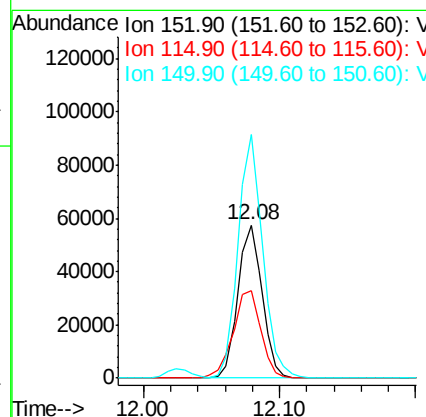
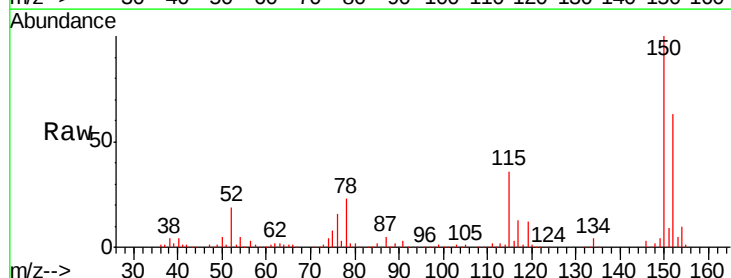
RT: 12.08 min Scan# 1792

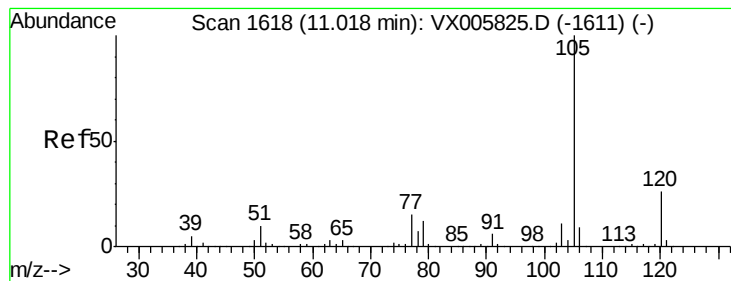
Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.0	39.4	118.1
150	162.4	0.0	346.4





#73

Isopropylbenzene

Concen: 21.31 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS01

Tgt Ion: 105 Resp: 87721

Ion Ratio Lower Upper

105 100

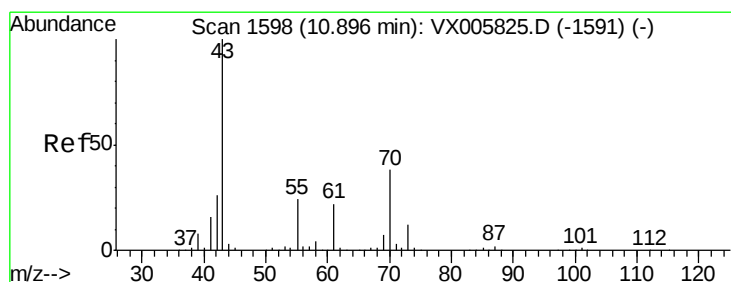
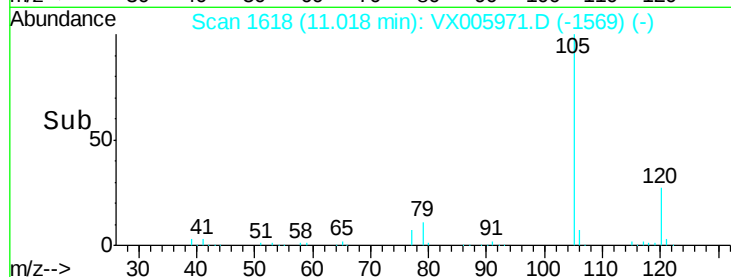
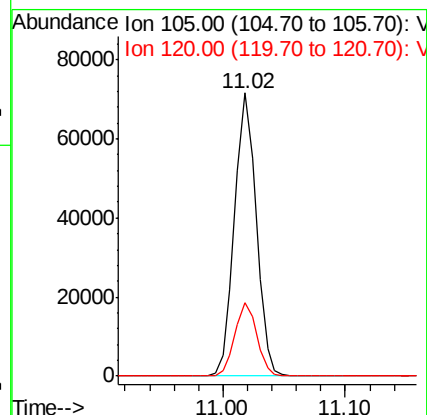
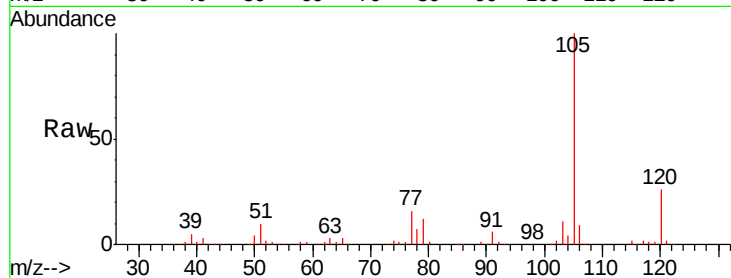
120 26.1 13.1 39.3

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:05:00 PM



#74

N-ethyl acetate

Concen: 18.35 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion: 43 Resp: 40504

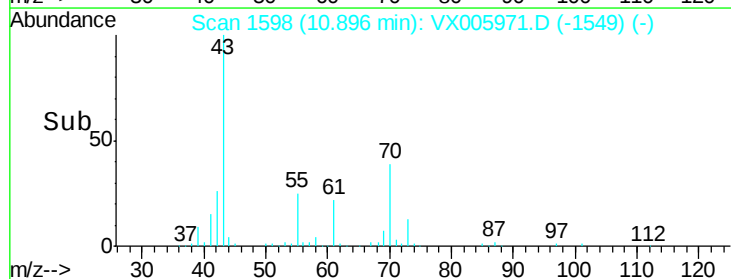
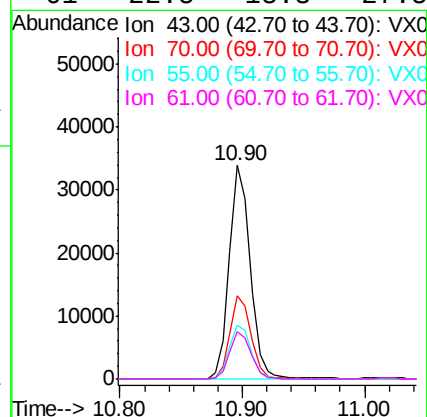
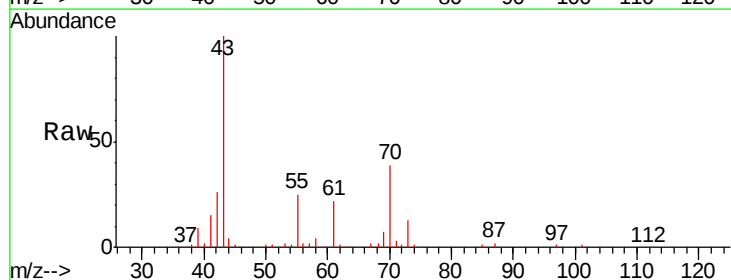
Ion Ratio Lower Upper

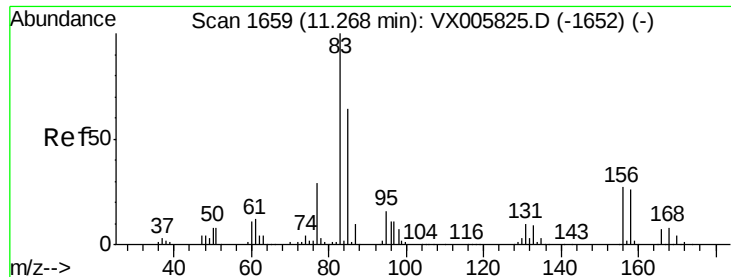
43 100

70 39.0 31.6 47.4

55 26.1 19.7 29.5

61 22.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.69 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

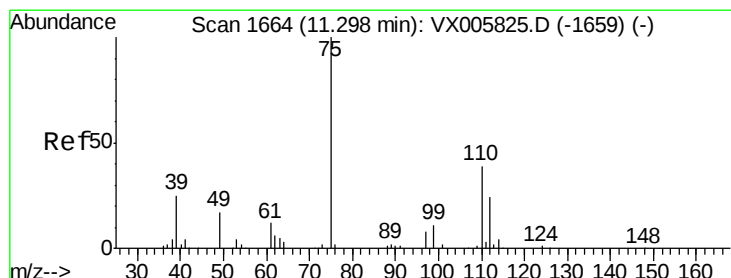
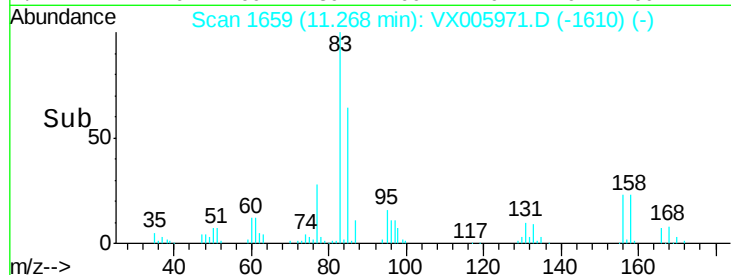
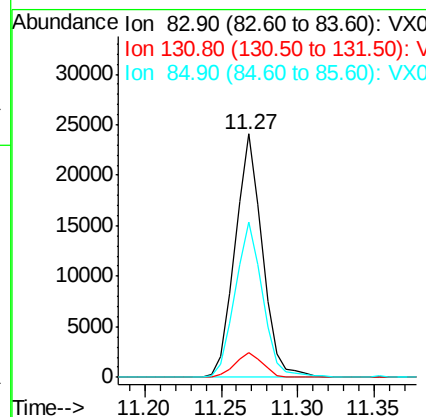
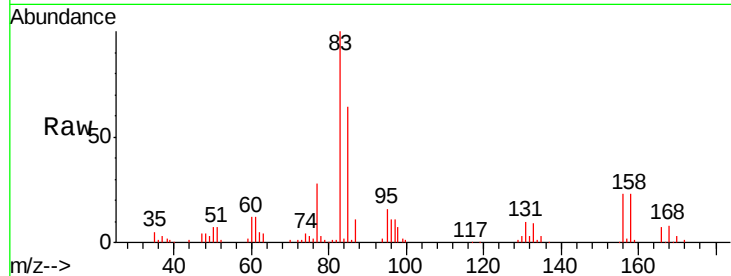
ClientSampleId :

VX1114MBS01

Tgt Ion:	83	Resp:	29750
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	64.5	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#76

1,2,3-Trichloropropane

Concen: 20.78 ug/l m

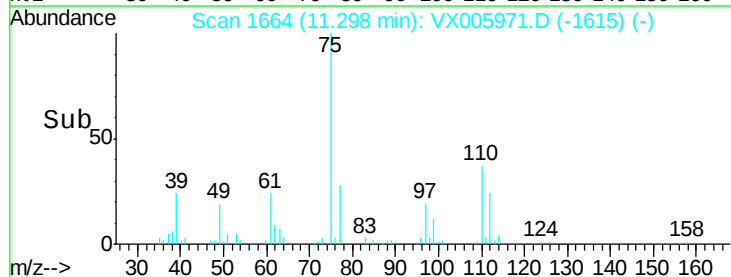
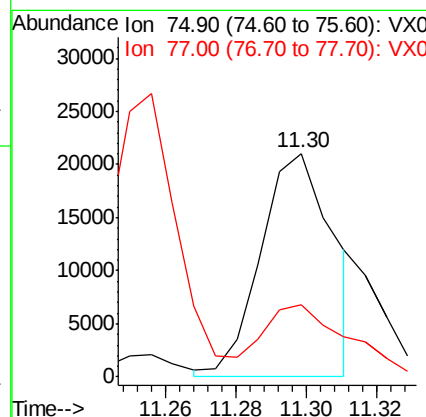
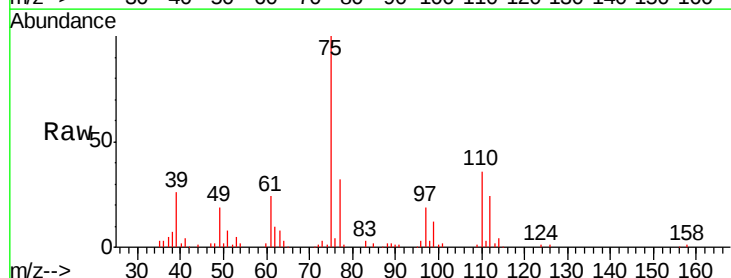
RT: 11.30 min Scan# 1664

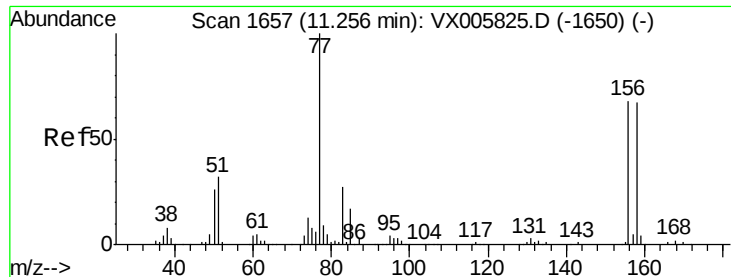
Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion:	75	Resp:	30122
Ion	Ratio	Lower	Upper
75	100		
77	38.0	20.5	61.6





#77

Bromobenzene

Concen: 19.84 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

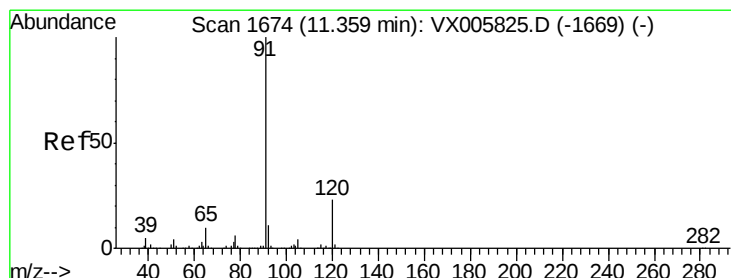
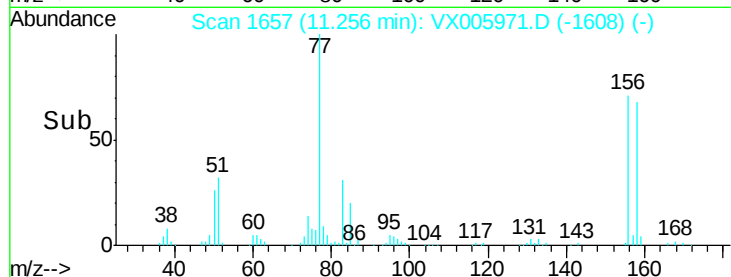
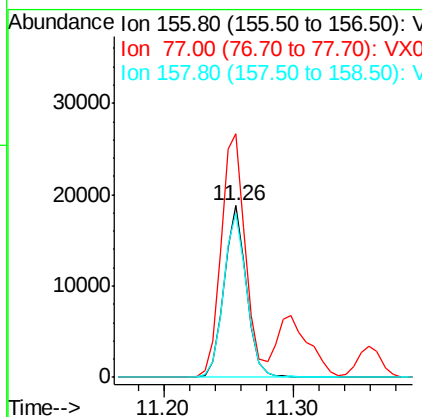
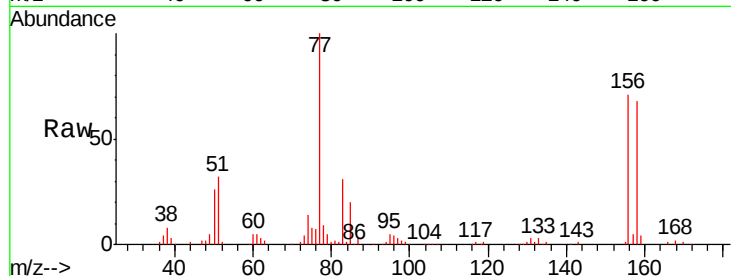
ClientSampleId :

VX1114MBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	154.3	74.8	224.4
158	98.3	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#78

n-propylbenzene

Concen: 21.26 ug/l

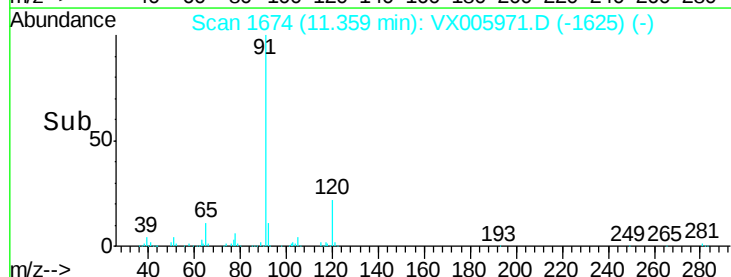
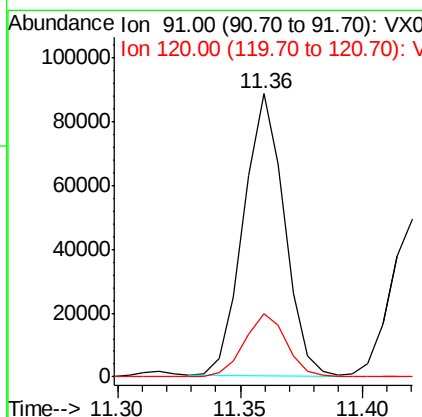
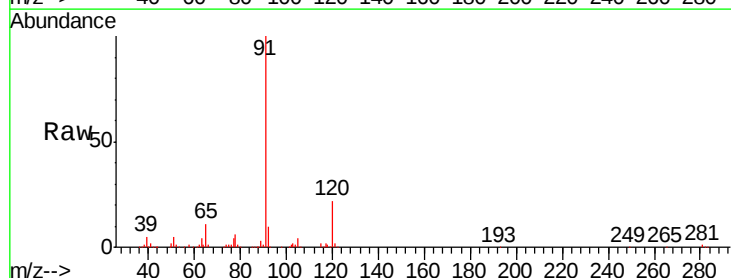
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.88 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS01

Tgt Ion: 91 Resp: 61230

Ion Ratio Lower Upper

91 100

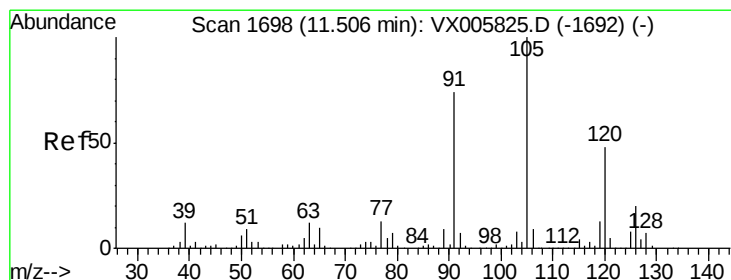
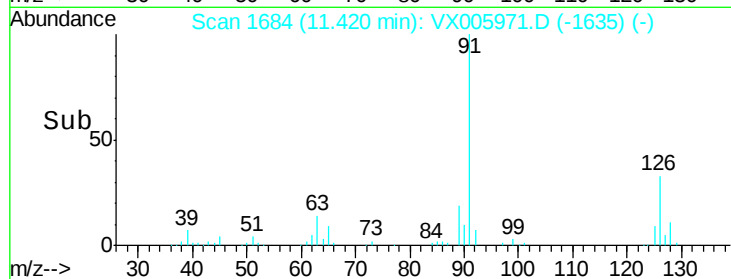
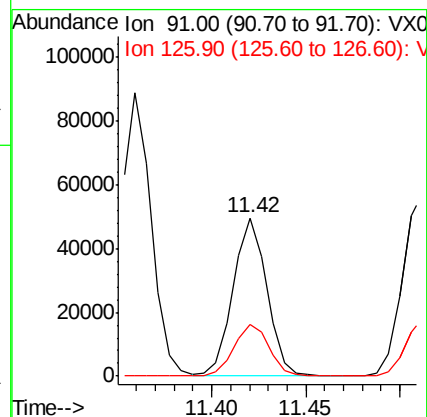
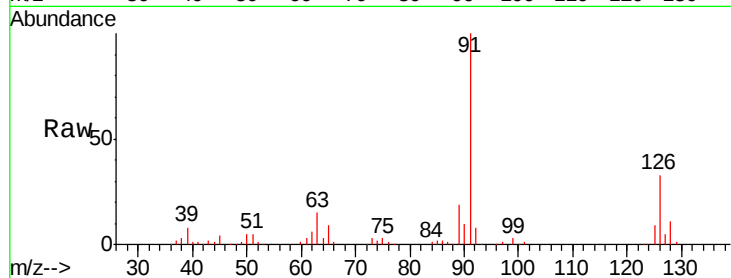
126 34.1 17.3 52.0

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:05:00 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.46 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005971.D

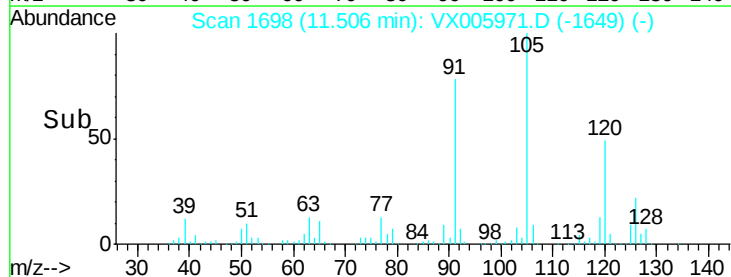
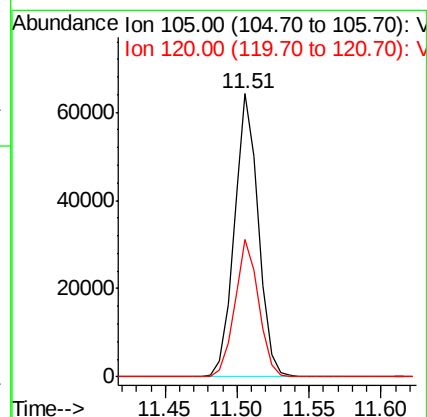
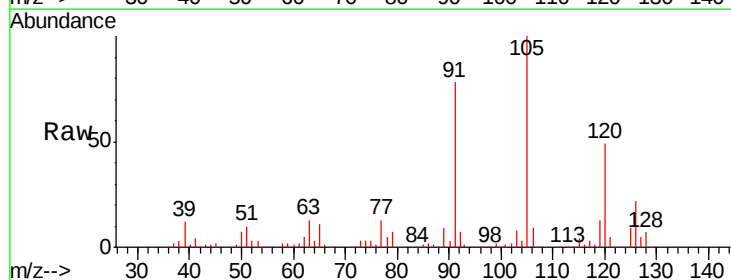
Acq: 14 Nov 2018 13:55

Tgt Ion: 105 Resp: 75066

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.96 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Instrument :

MSVOA_X

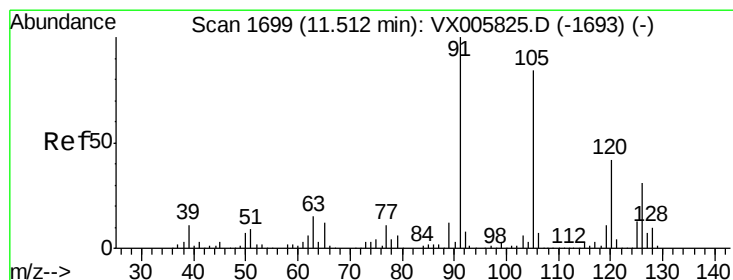
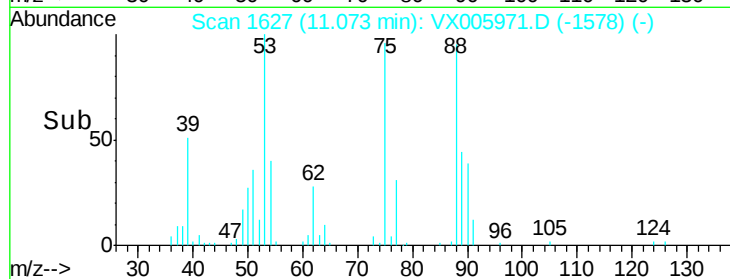
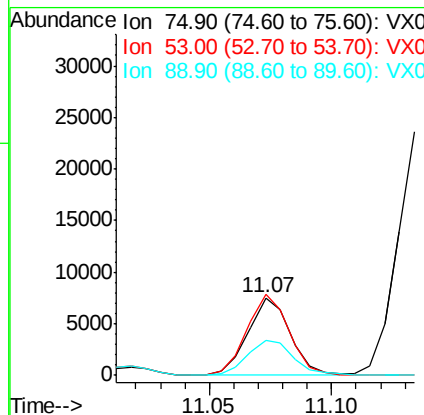
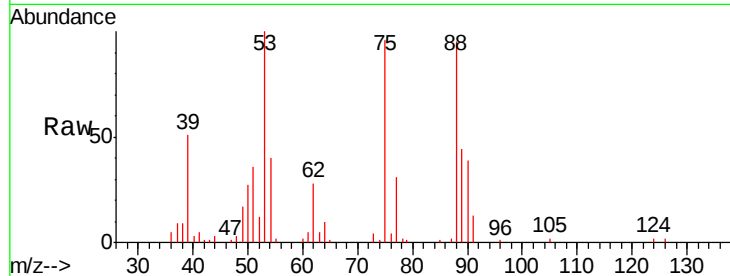
ClientSampleId :

VX1114MBS01

Tgt Ion:	75	Resp:	9075
Ion Ratio	Lower	Upper	
75	100		
53	104.4	80.2	120.2
89	48.6	39.8	59.8

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#82

4-Chlorotoluene

Concen: 20.97 ug/l

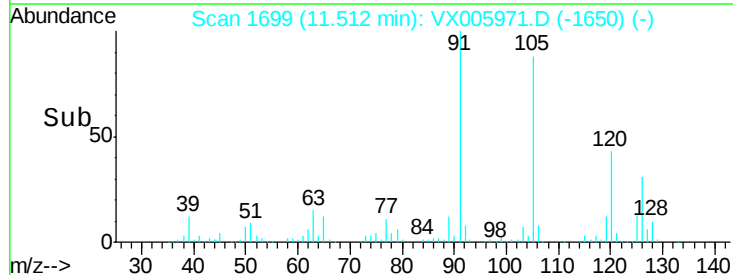
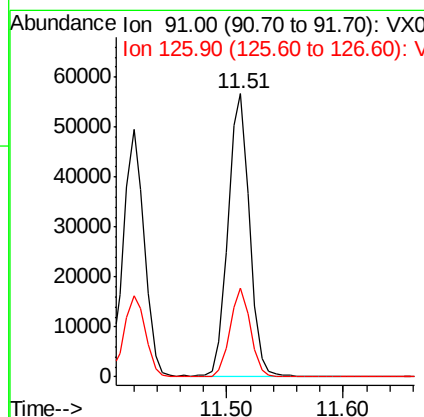
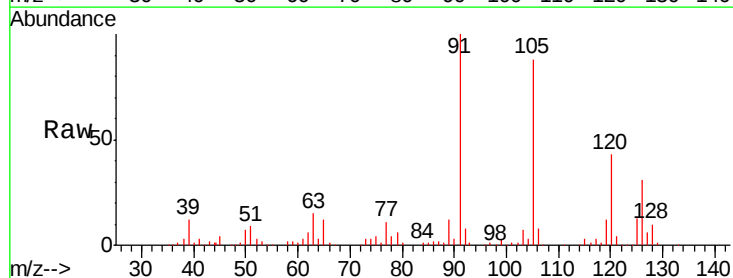
RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005971.D

Acq: 14 Nov 2018 13:55

Tgt Ion:	91	Resp:	72471
Ion Ratio	Lower	Upper	
91	100		
126	30.1	15.2	45.6





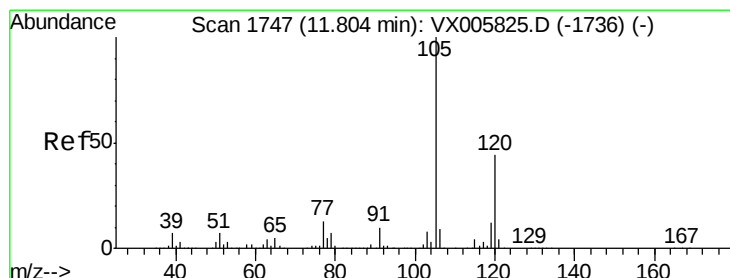
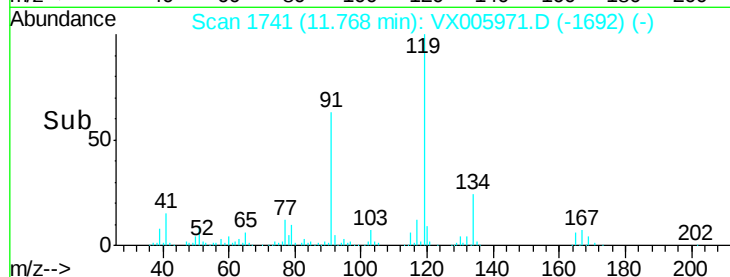
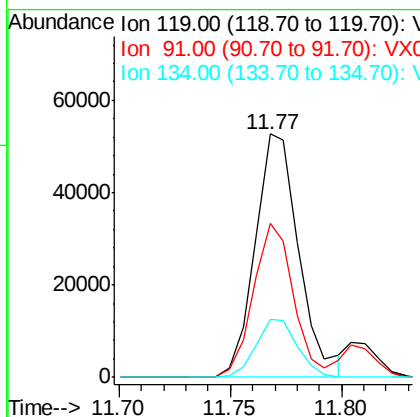
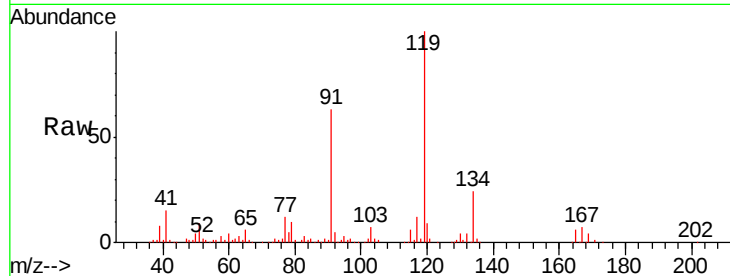
#83
 tert-Butylbenzene
 Concen: 20.38 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	57.8	28.5	85.5
134	22.7	11.3	33.8

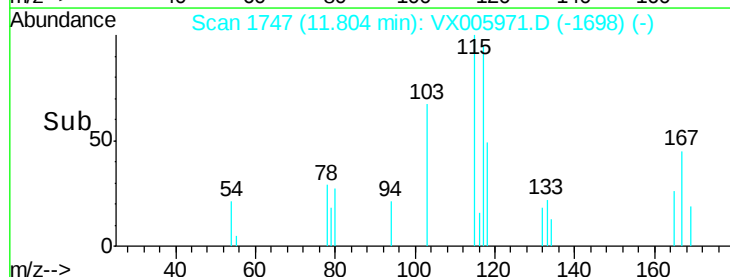
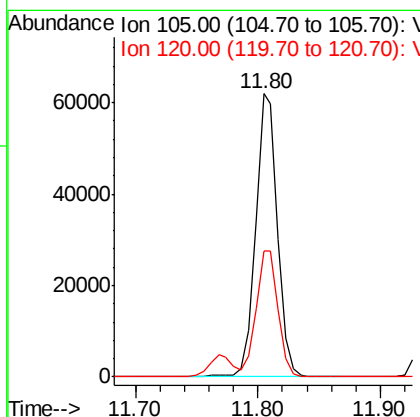
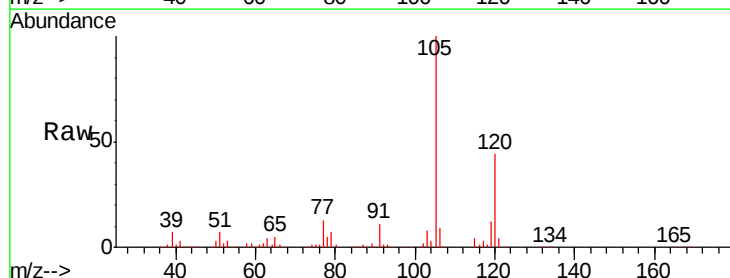
Manual Integrations
 APPROVED

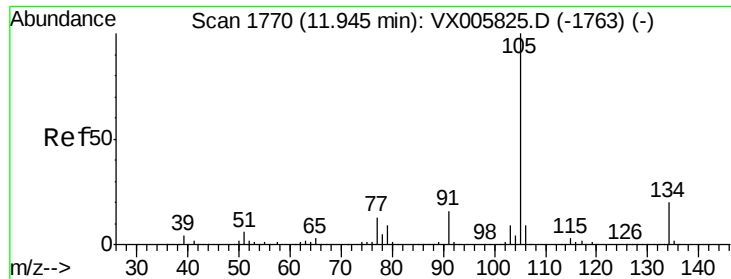
MMDadoda
 11/15/2018 1:05:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.00 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.0





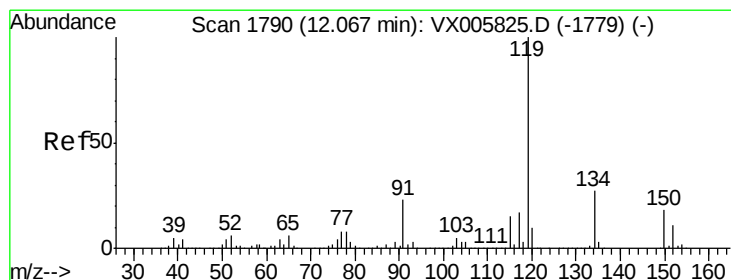
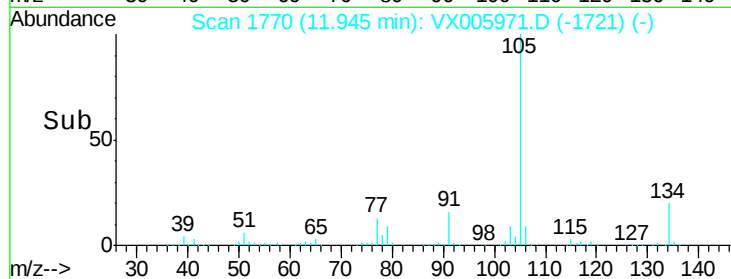
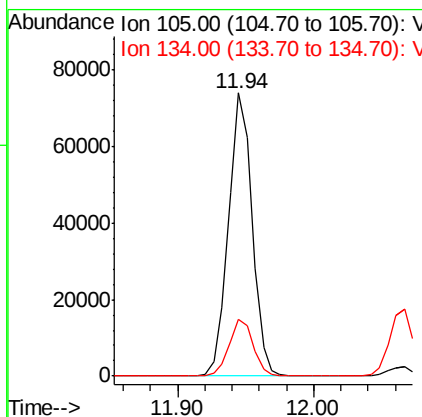
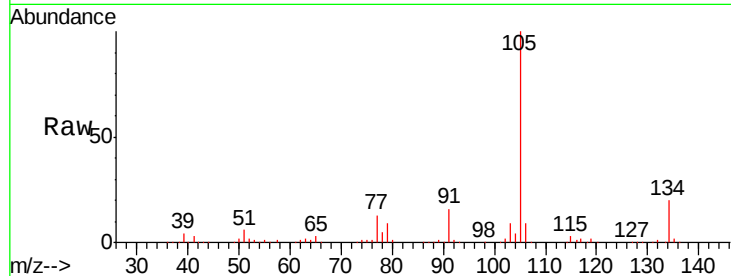
#85
 sec-Butylbenzene
 Concen: 20.66 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Tgt Ion:105 Resp: 89420
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.4

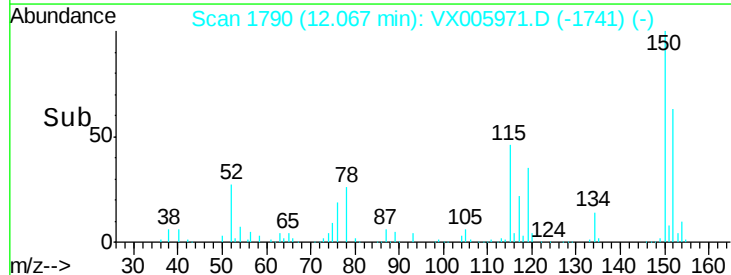
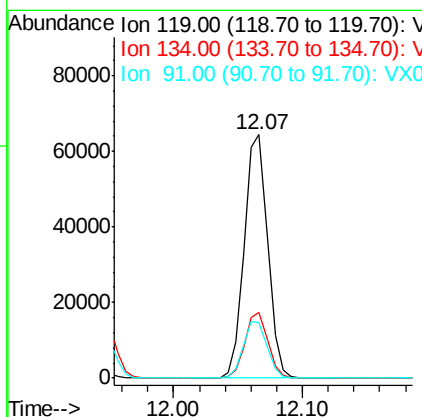
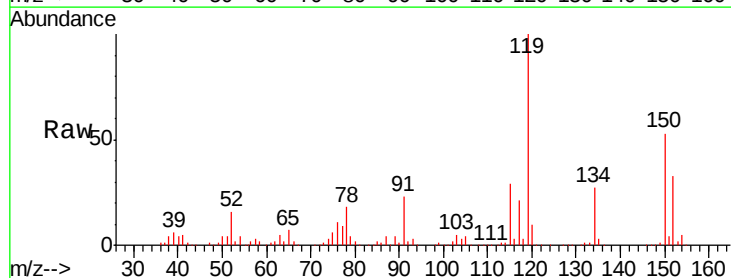
Manual Integrations
 APPROVED

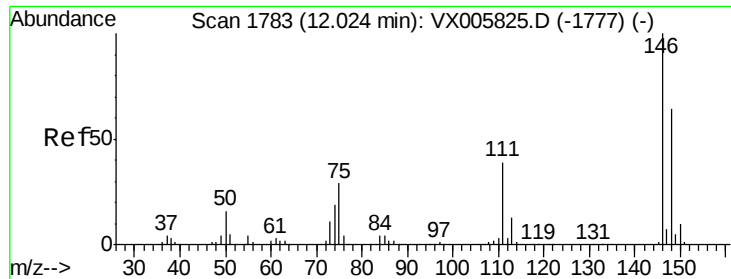
MMDadoda
 11/15/2018 1:05:00 PM



#86
 p-Isopropyltoluene
 Concen: 20.96 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Tgt Ion:119 Resp: 80353
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 39.0
 91 24.0 11.4 34.2





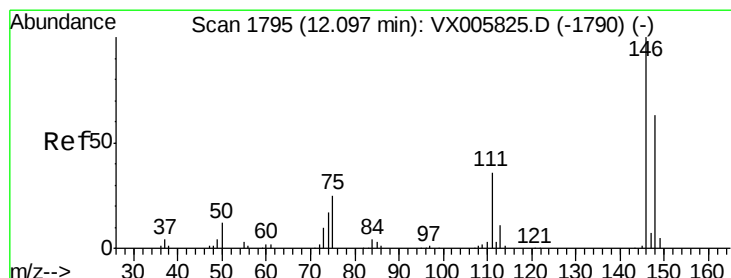
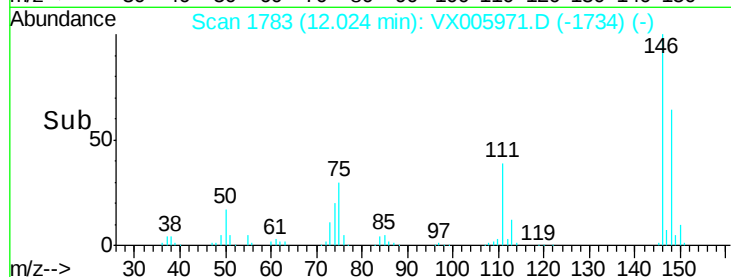
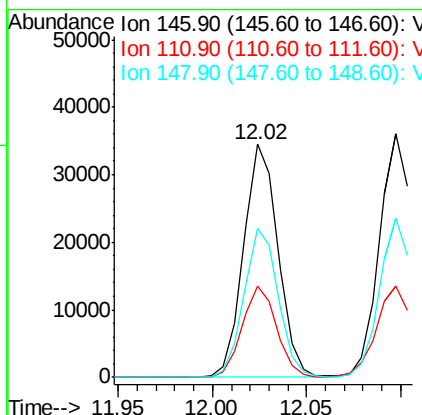
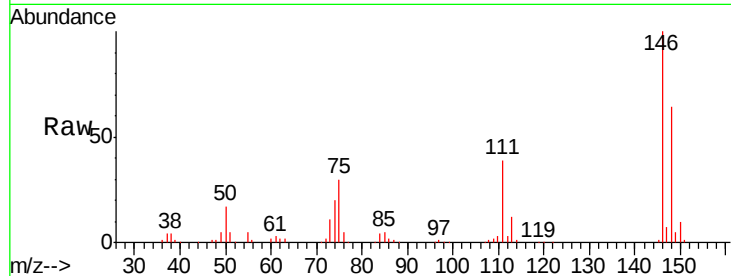
#87
 1,3-Dichlorobenzene
 Concen: 19.68 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.0	57.0
148	63.4	31.9	95.9

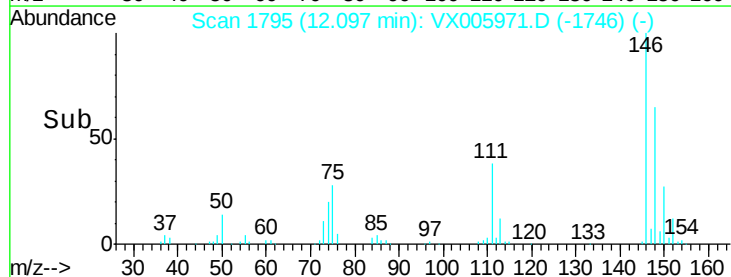
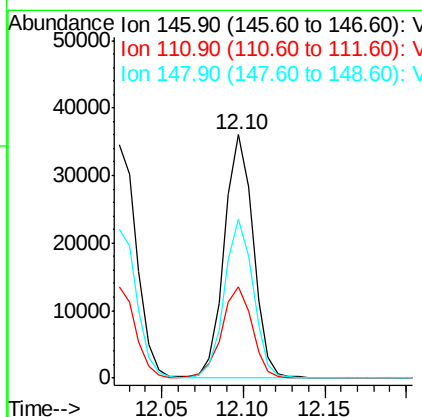
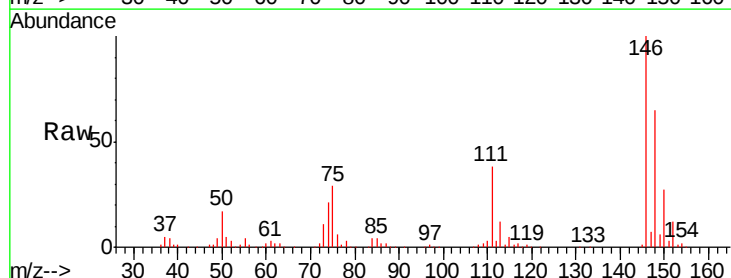
Manual Integrations
 APPROVED

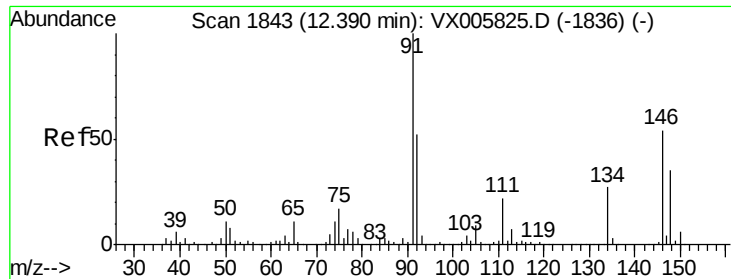
MMDadoda
 11/15/2018 1:05:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.6	55.8
148	65.3	32.1	96.3





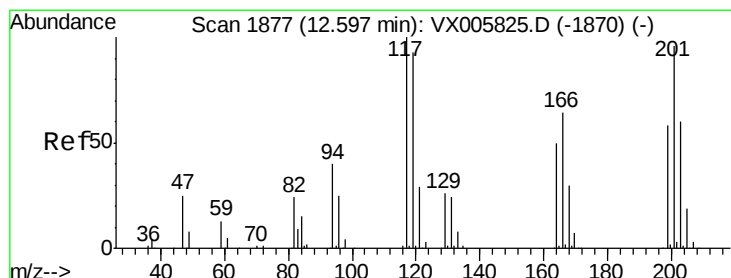
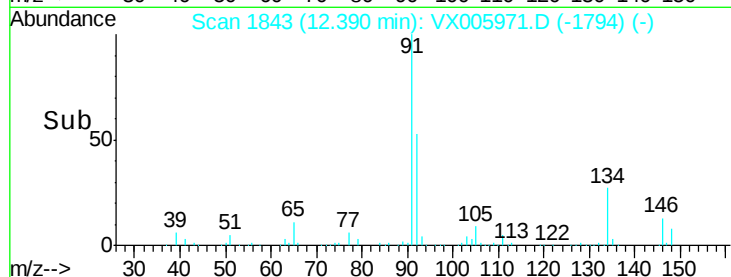
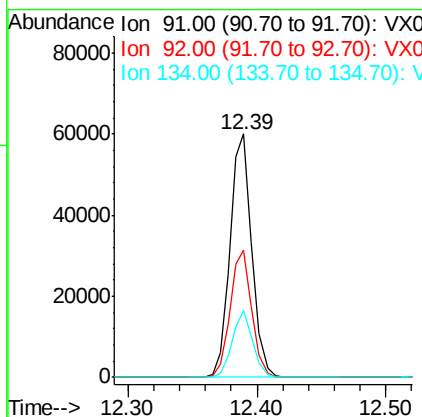
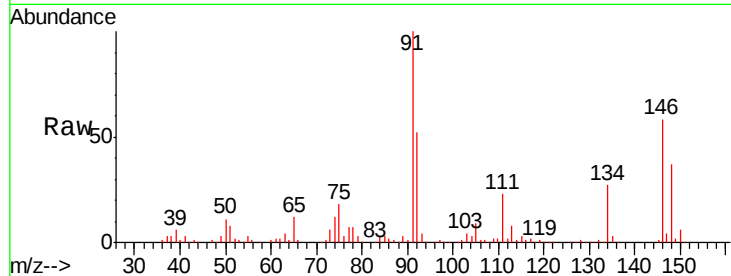
#89
n-Butylbenzene
Concen: 20.01 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion: 91 Resp: 71074
Ion Ratio Lower Upper
91 100
92 51.6 26.1 78.2
134 25.7 13.1 39.3

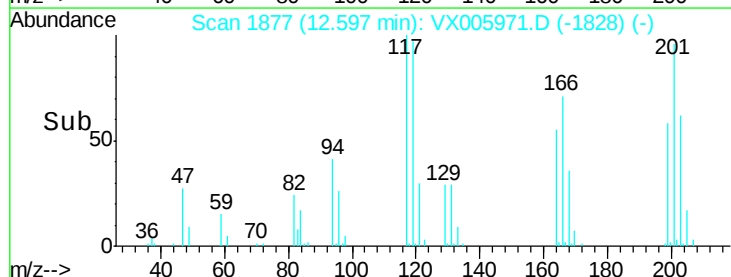
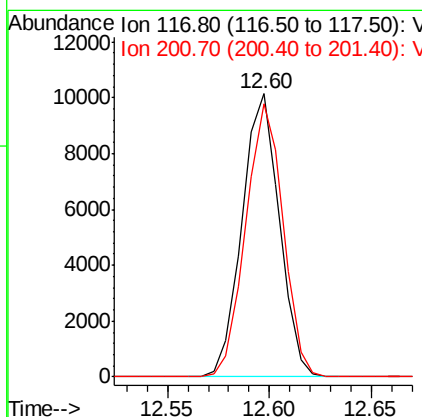
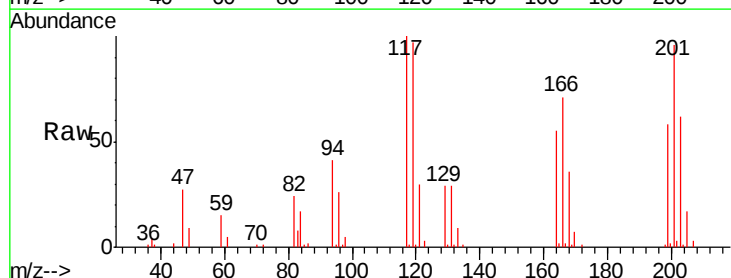
Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#90
Hexachloroethane
Concen: 20.17 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion: 117 Resp: 12910
Ion Ratio Lower Upper
117 100
201 96.2 47.9 143.6





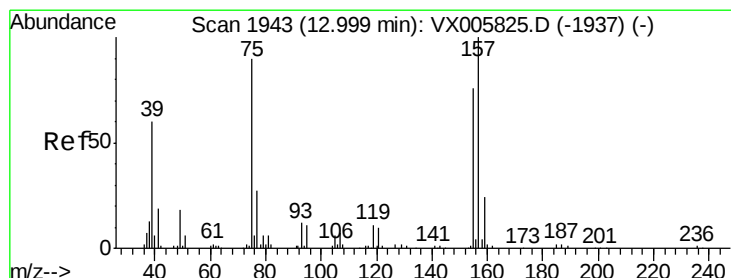
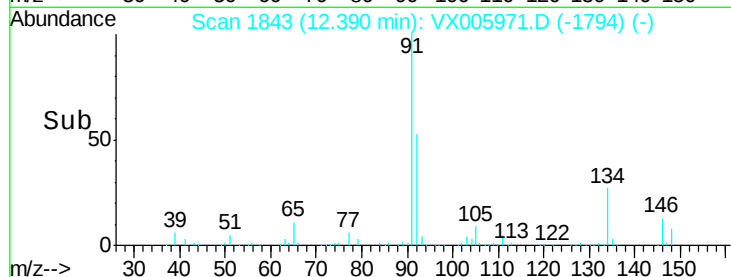
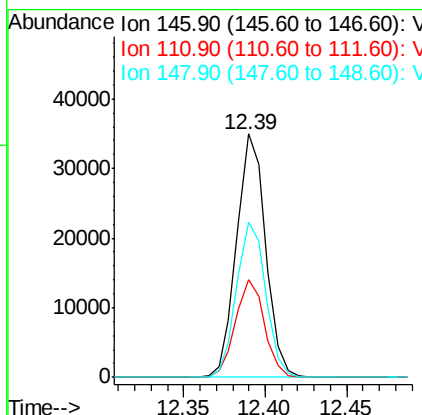
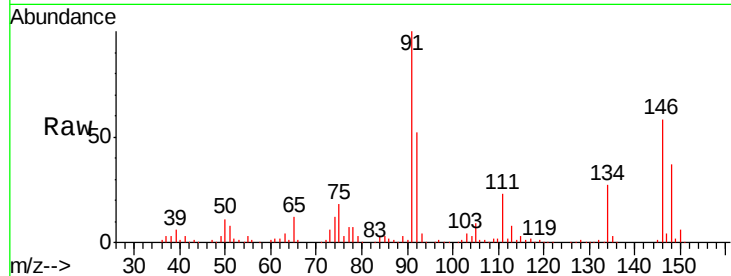
#91
 1,2-Dichlorobenzene
 Concen: 19.43 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Tgt Ion: 146 Resp: 43345
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 59.9
 148 64.4 32.2 96.6

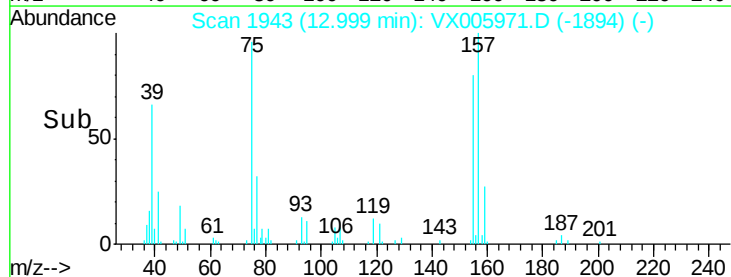
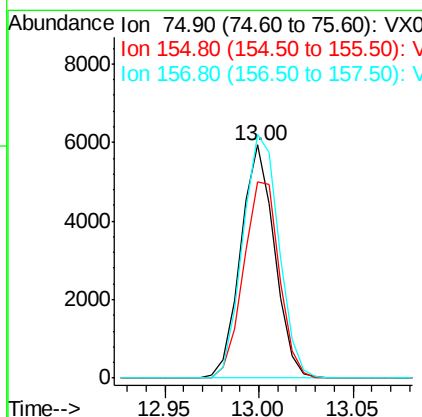
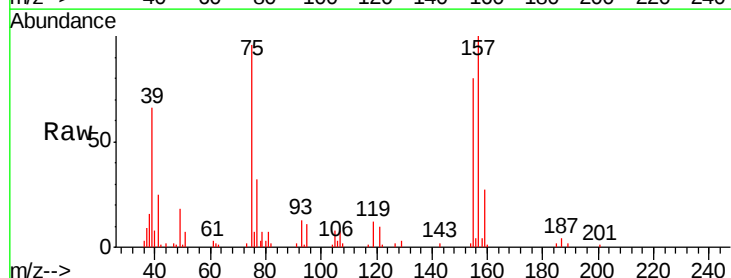
Manual Integrations
 APPROVED

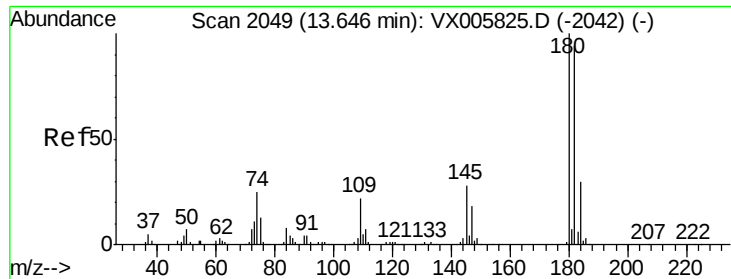
MMDadoda
 11/15/2018 1:05:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.03 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Tgt Ion: 75 Resp: 7384
 Ion Ratio Lower Upper
 75 100
 155 88.9 45.4 136.1
 157 111.4 57.4 172.0





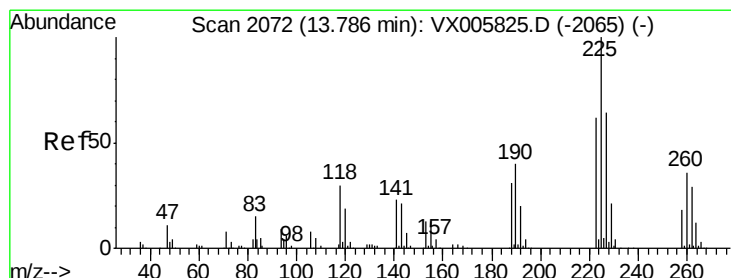
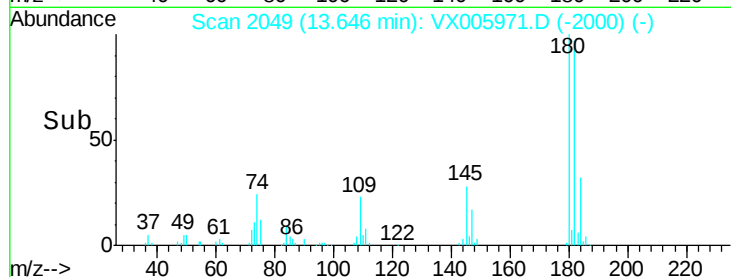
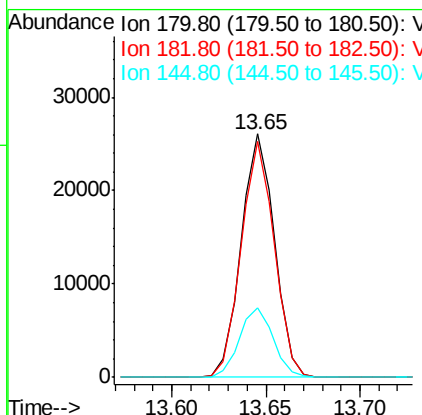
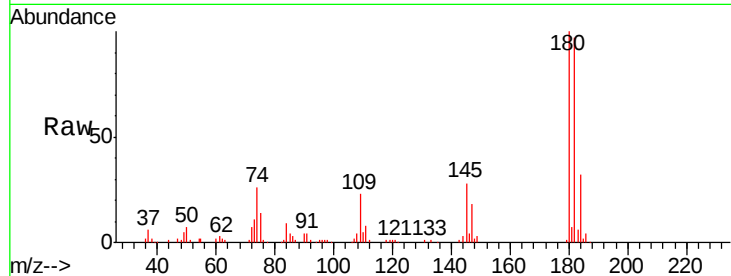
#93
 1,2,4-Trichlorobenzene
 Concen: 20.35 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.8
145	28.9	14.1	42.2

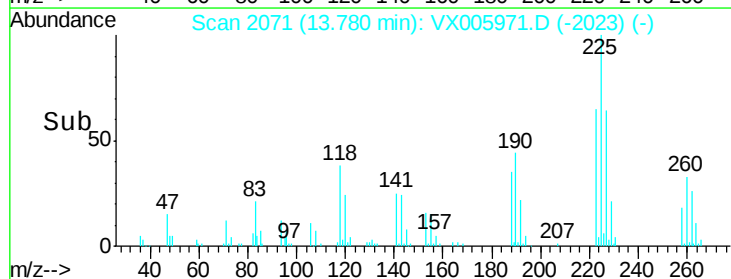
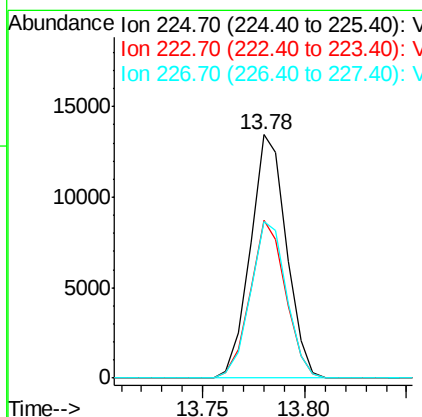
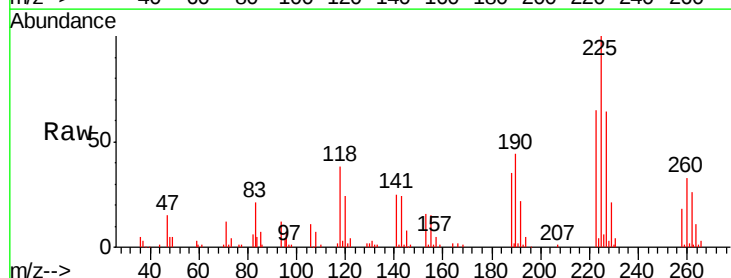
Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:05:00 PM



#94
 Hexachlorobutadiene
 Concen: 20.08 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005971.D
 Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	64.1	32.3	96.9





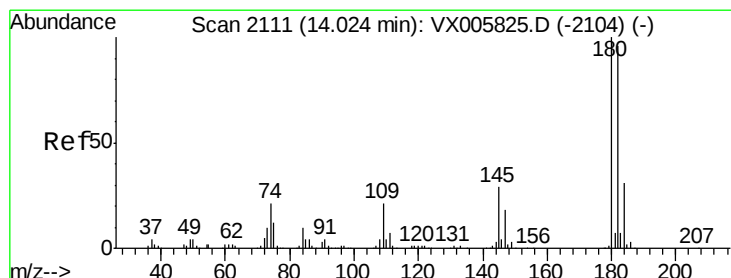
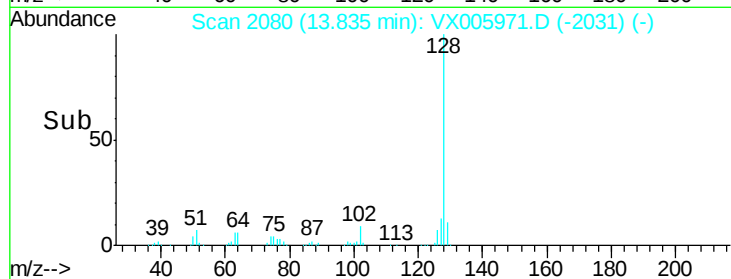
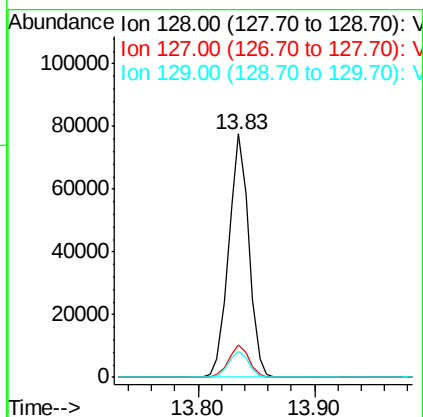
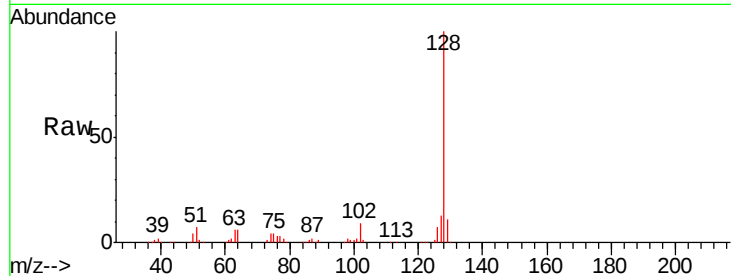
#95
Naphthalene
Concen: 18.96 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:05:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.79 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005971.D
Acq: 14 Nov 2018 13:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.0	144.2
145	30.2	15.1	45.3

