

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111518\
 Data File : VX006022.D
 Acq On : 15 Nov 2018 16:13
 Operator : JC/MD
 Sample : VX1115MBSD01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 10:52:12 AM

Quant Time: Nov 16 00:36:05 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	5.67	168	122072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	176426	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	158705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	85104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	71152	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	5.50	113	60537	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	8.71	98	218037	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	11.14	95	80087	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	19448	17.67	ug/l	100
3) Chloromethane	1.32	50	25215	17.46	ug/l	98
4) Vinyl Chloride	1.40	62	25137	17.34	ug/l	99
5) Bromomethane	1.64	94	15482	17.45	ug/l	95
6) Chloroethane	1.72	64	16019	18.51	ug/l	99
7) Trichlorofluoromethane	1.93	101	35700	18.55	ug/l	100
8) Diethyl Ether	2.19	74	15106	20.03	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	20445	18.47	ug/l	99
10) Methyl Iodide	2.51	142	22758	16.96	ug/l	100
11) Tert butyl alcohol	3.06	59	39421	98.06	ug/l	99
12) 1,1-Dichloroethene	2.37	96	19292	17.88	ug/l	97
13) Acrolein	2.29	56	26392	146.29	ug/l	98
14) Allyl chloride	2.73	41	45270	18.79	ug/l	98
15) Acrylonitrile	3.15	53	83001	99.62	ug/l	99
16) Acetone	2.45	43	71356	94.43	ug/l	98
17) Carbon Disulfide	2.57	76	50970	15.84	ug/l	97
18) Methyl Acetate	2.78	43	43649	20.69	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	75860	20.60	ug/l	99
20) Methylene Chloride	2.86	84	23844	19.21	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	20766	18.25	ug/l	98
22) Diisopropyl ether	3.87	45	81643	19.34	ug/l	91
23) Vinyl Acetate	3.82	43	339876	93.90	ug/l	100
24) 1,1-Dichloroethane	3.69	63	41909	18.61	ug/l	98
25) 2-Butanone	4.70	43	113207	95.30	ug/l	99
26) 2,2-Dichloropropane	4.59	77	32288	19.54	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	24675	19.64	ug/l	98
28) Bromochloromethane	5.01	49	22508	22.36	ug/l	100
29) Tetrahydrofuran	5.15	42	74435	97.59	ug/l	99
30) Chloroform	5.21	83	44883	20.66	ug/l	97
31) Cyclohexane	5.57	56	33938	17.36	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	33475	18.47	ug/l	100
36) 1,1-Dichloropropene	5.81	75	29352	17.26	ug/l	97
37) Ethyl Acetate	4.85	43	40379	18.05	ug/l	99
38) Carbon Tetrachloride	5.78	117	29018	17.04	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111518\
 Data File : VX006022.D
 Acq On : 15 Nov 2018 16:13
 Operator : JC/MD
 Sample : VX1115MBSD01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 10:52:12 AM

Quant Time: Nov 16 00:36:05 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	31210	18.11	ug/l	98
40) Benzene	6.15	78	90008	18.15	ug/l #	90
41) Methacrylonitrile	5.06	41	22466	18.59	ug/l	97
42) 1,2-Dichloroethane	6.20	62	33102	18.64	ug/l	99
43) Isopropyl Acetate	6.46	43	60210	18.58	ug/l	96
44) Trichloroethene	7.21	130	23569	18.72	ug/l	100
45) 1,2-Dichloropropane	7.52	63	24332	20.22	ug/l	98
46) Dibromomethane	7.66	93	14941	19.78	ug/l	99
47) Bromodichloromethane	7.90	83	28379	19.88	ug/l	98
48) Methyl methacrylate	7.77	41	29623	20.36	ug/l	97
49) 1,4-Dioxane	7.75	88	12492	398.38	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	206407	101.06	ug/l	99
52) Toluene	8.79	92	54341	19.61	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	31488	18.70	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	34531	20.12	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	22780	18.45	ug/l	100
56) Ethyl methacrylate	9.18	69	35078	18.98	ug/l	99
57) 1,3-Dichloropropane	9.37	76	38627	18.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	105675	109.75	ug/l	100
59) 2-Hexanone	9.49	43	162732	90.39	ug/l	99
60) Dibromochloromethane	9.59	129	22411	16.79	ug/l	100
61) 1,2-Dibromoethane	9.67	107	23604	17.28	ug/l	100
64) Tetrachloroethene	9.34	164	24204	17.91	ug/l	99
65) Chlorobenzene	10.14	112	62058	19.52	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	22046	19.95	ug/l	99
67) Ethyl Benzene	10.25	91	103052	20.21	ug/l	100
68) m/p-Xylenes	10.36	106	79885	41.08	ug/l	98
69) o-Xylene	10.70	106	37939	21.76	ug/l	99
70) Styrene	10.71	104	63347	22.02	ug/l	100
71) Bromoform	10.86	173	18320	19.77	ug/l #	97
73) Isopropylbenzene	11.02	105	106057	21.55	ug/l	99
74) N-amyl acetate	10.90	43	51356	19.38	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	37741	20.89	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	36603m	21.12	ug/l	
77) Bromobenzene	11.26	156	27970	20.16	ug/l	99
78) n-propylbenzene	11.36	91	121312	20.92	ug/l	100
79) 2-Chlorotoluene	11.42	91	73513	20.97	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	88313	21.12	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	10919	20.08	ug/l	96
82) 4-Chlorotoluene	11.51	91	85749	20.75	ug/l	100
83) tert-Butylbenzene	11.77	119	86911	20.54	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	91137	19.67	ug/l	100
85) sec-Butylbenzene	11.94	105	106648	20.61	ug/l	100
86) p-Isopropyltoluene	12.07	119	93772	20.46	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	52165	19.59	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	52422	19.24	ug/l	99
89) n-Butylbenzene	12.39	91	81201	19.12	ug/l	99
90) Hexachloroethane	12.60	117	14424	18.85	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	51541	19.33	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8638	19.60	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX111518\
Data File : VX006022.D
Acq On : 15 Nov 2018 16:13
Operator : JC/MD
Sample : VX1115MBSD01
Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

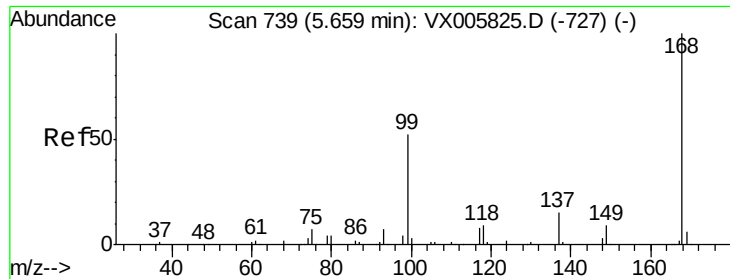
Manual Integrations
APPROVED

MMDadoda
11/16/2018 10:52:12 AM

Quant Time: Nov 16 00:36:05 2018
Quant Method : Z:\V0ASRV\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	37512	19.98	ug/l	99
94) Hexachlorobutadiene	13.79	225	18722	18.98	ug/l	98
95) Naphthalene	13.83	128	118778	20.12	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	38841	20.31	ug/l	100

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



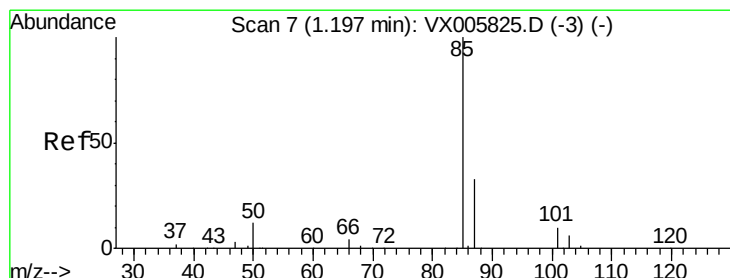
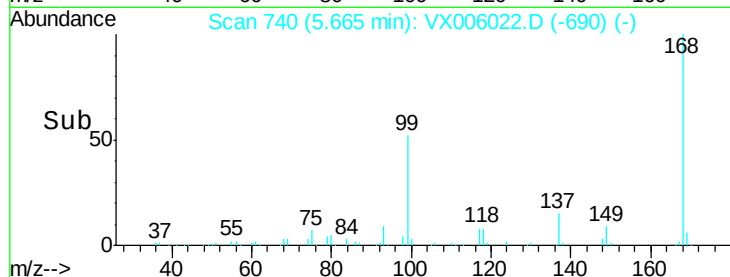
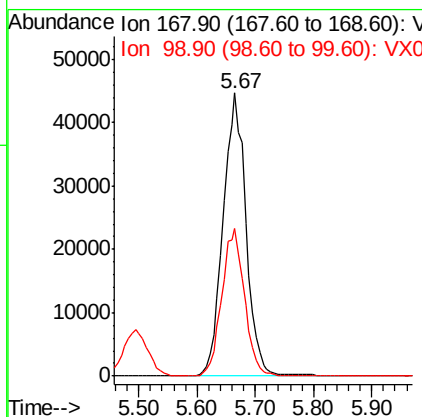
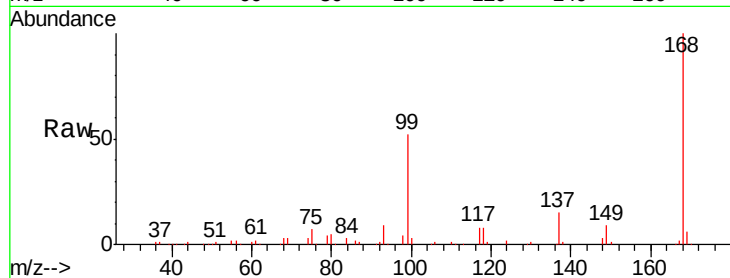
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion: 168 Resp: 122072
Ion Ratio Lower Upper
168 100
99 52.0 40.7 61.1

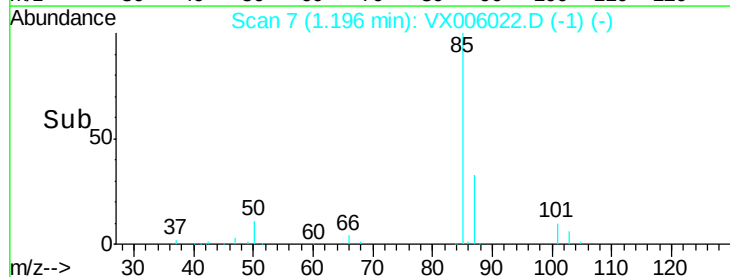
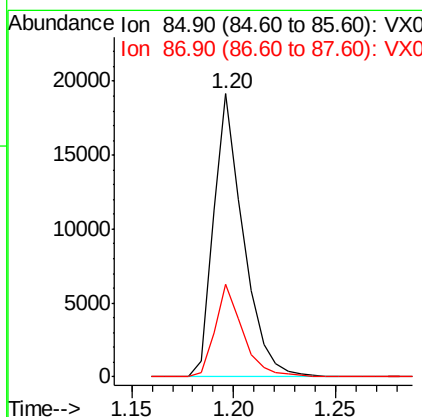
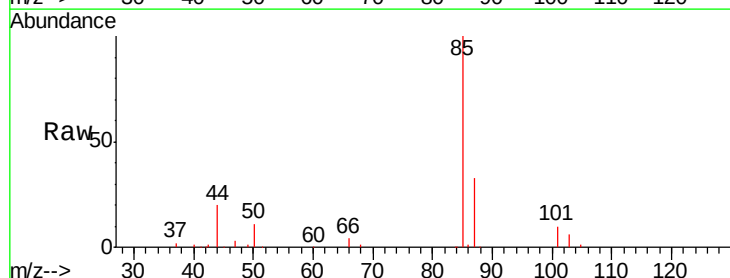
Manual Integrations
APPROVED

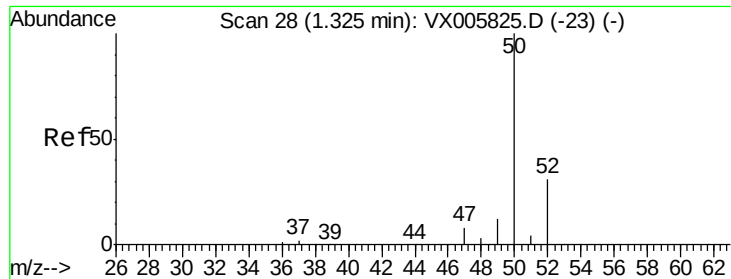
MMDadoda
11/16/2018 10:52:12 AM



#2
Dichlorodifluoromethane
Concen: 17.67 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 85 Resp: 19448
Ion Ratio Lower Upper
85 100
87 32.7 16.3 48.9





#3

Chloromethane

Concen: 17.46 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion: 50 Resp: 25215

Ion Ratio Lower Upper

50 100

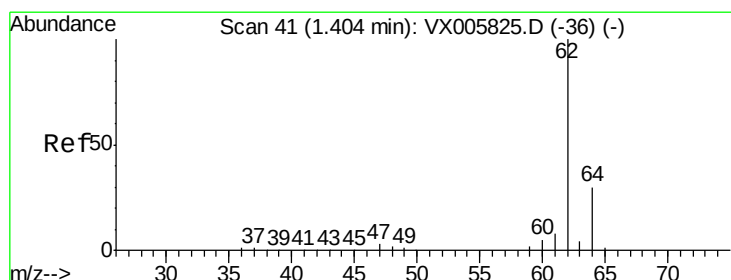
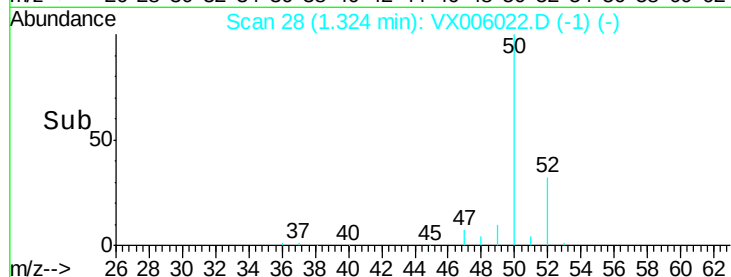
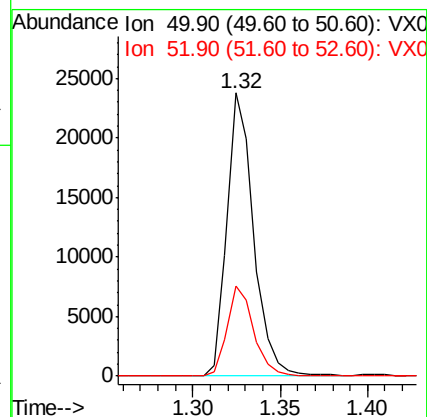
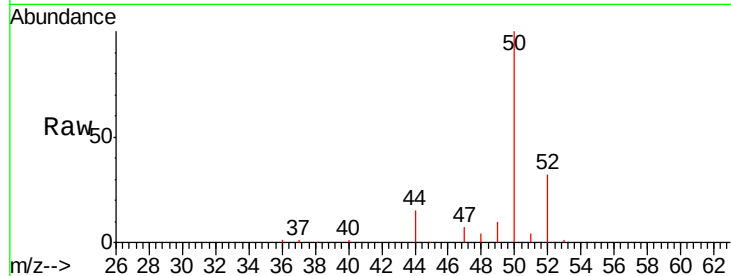
52 31.7 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

11/16/2018 10:52:12 AM



#4

Vinyl Chloride

Concen: 17.34 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX006022.D

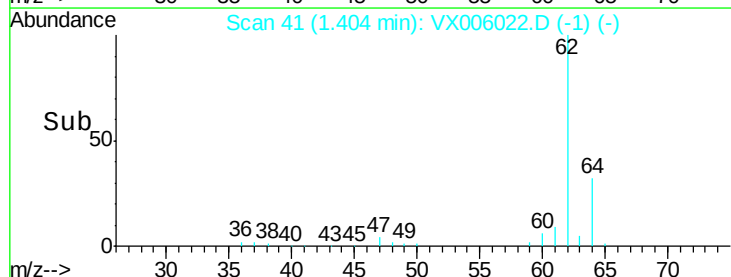
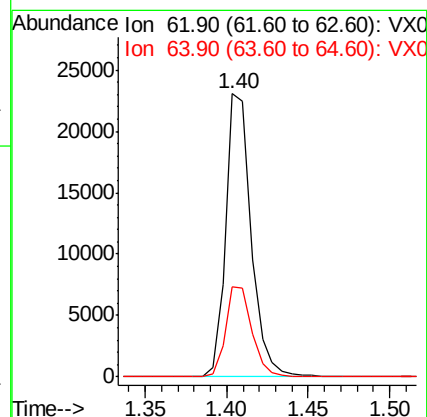
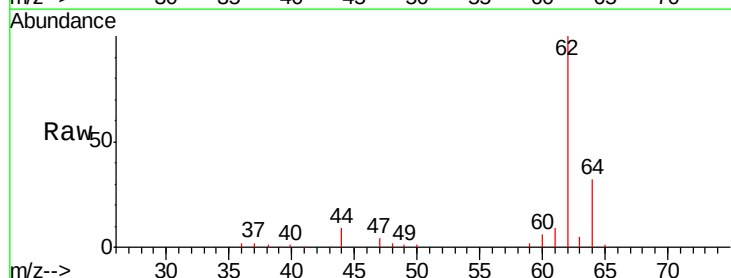
Acq: 15 Nov 2018 16:13

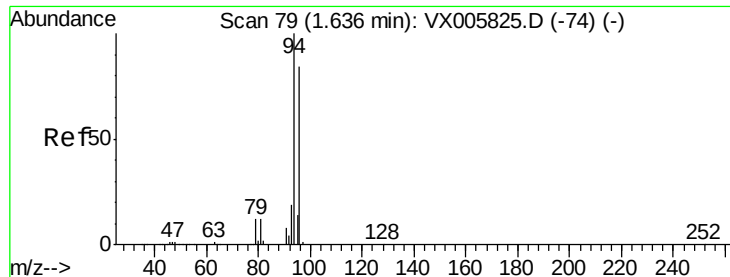
Tgt Ion: 62 Resp: 25137

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 17.45 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion: 94 Resp: 15482

Ion Ratio Lower Upper

94 100

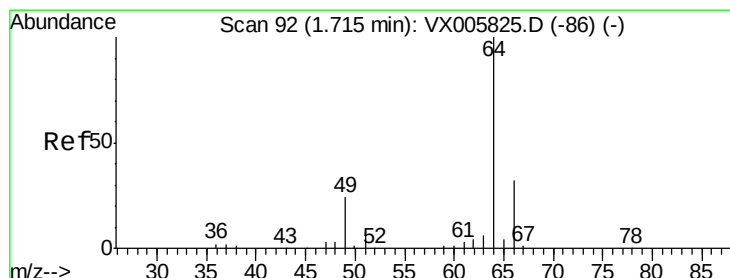
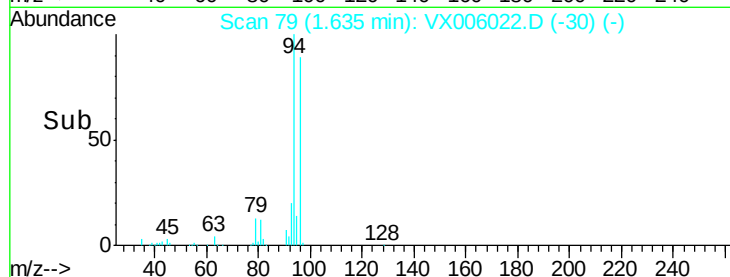
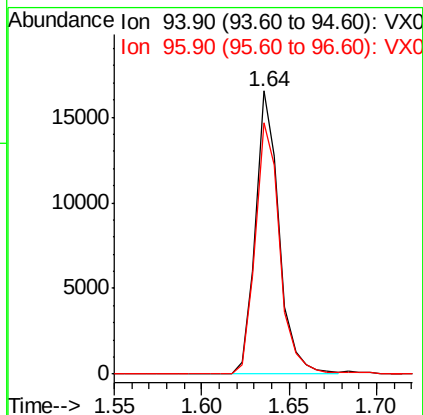
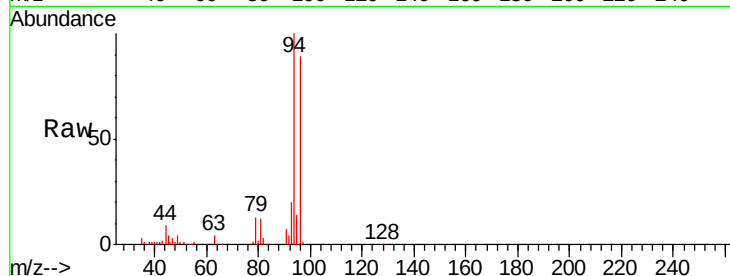
96 88.9 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

11/16/2018 10:52:12 AM



#6

Chloroethane

Concen: 18.51 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006022.D

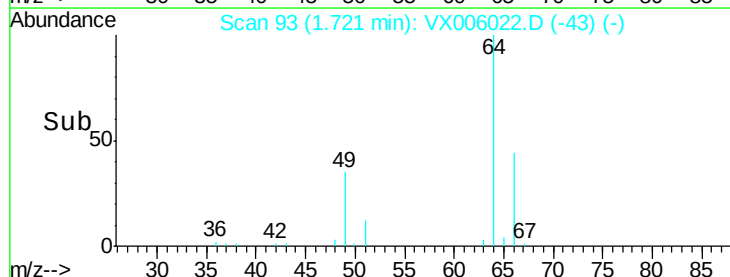
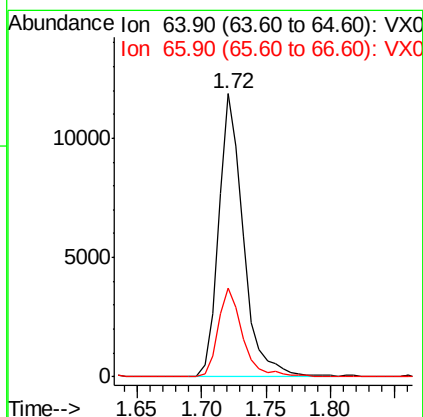
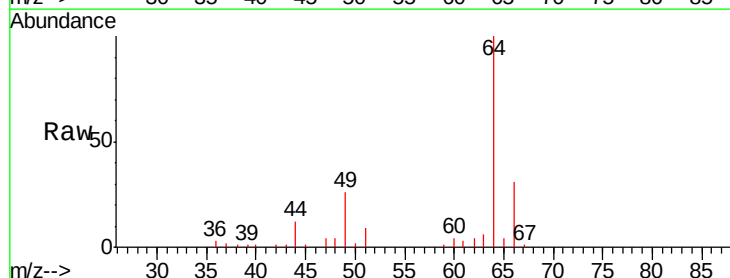
Acq: 15 Nov 2018 16:13

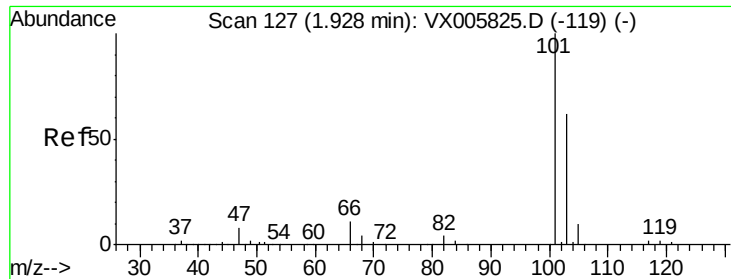
Tgt Ion: 64 Resp: 16019

Ion Ratio Lower Upper

64 100

66 31.4 25.8 38.6





#7

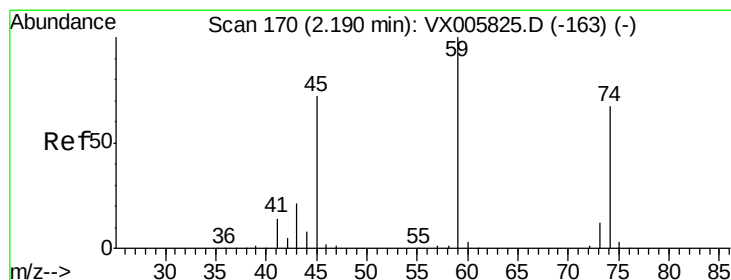
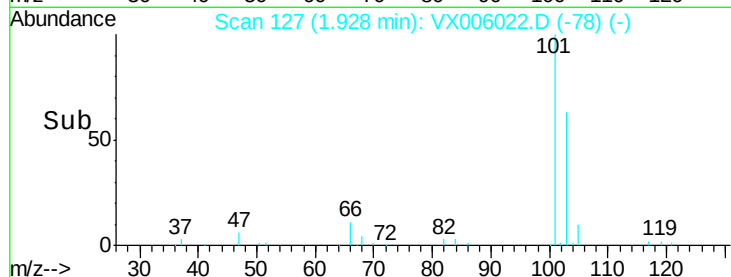
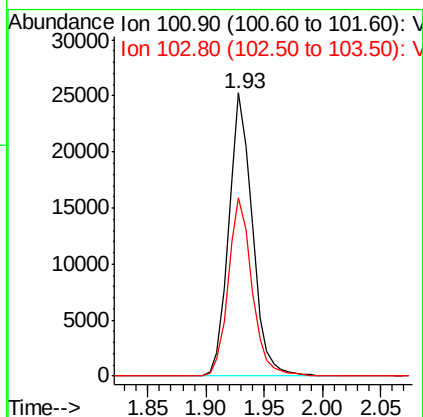
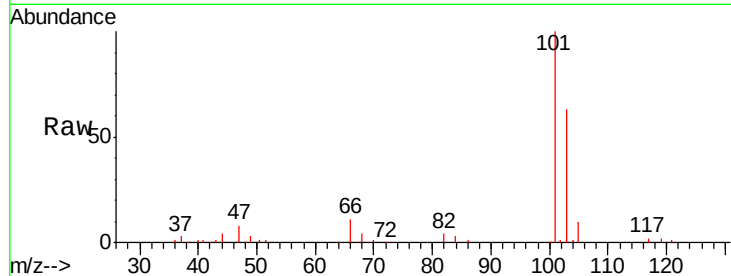
Trichlorofluoromethane
Concen: 18.55 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion: 101 Resp: 35700
Ion Ratio Lower Upper
101 100
103 62.8 50.0 75.0

Manual Integrations
APPROVED

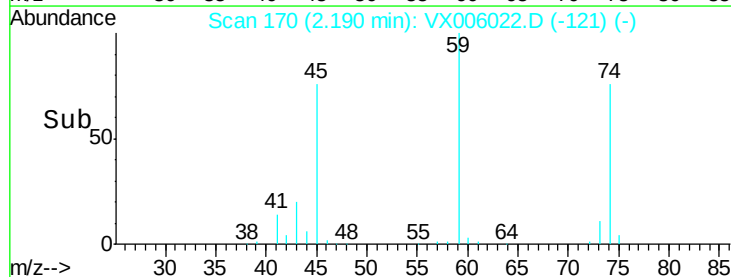
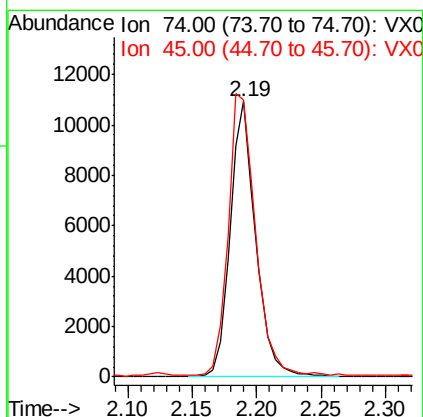
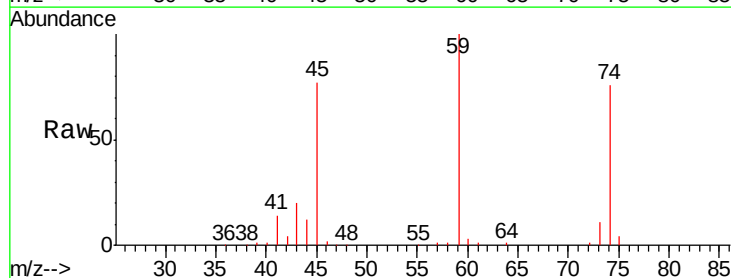
MMDadoda
11/16/2018 10:52:12 AM

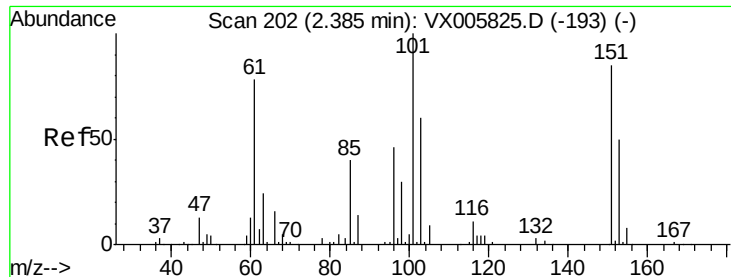


#8

Diethyl Ether
Concen: 20.03 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 74 Resp: 15106
Ion Ratio Lower Upper
74 100
45 109.4 54.1 162.3





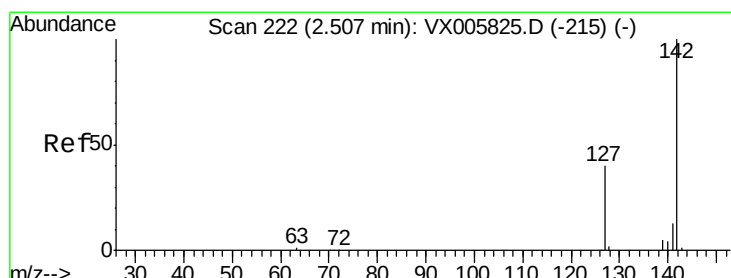
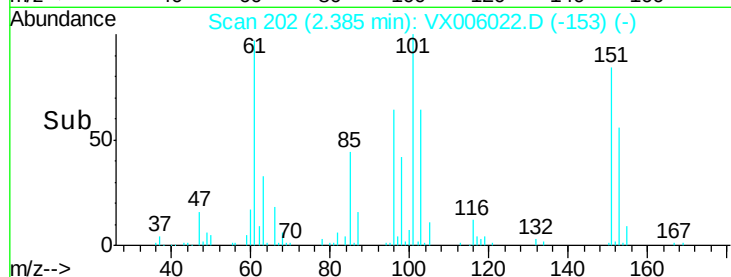
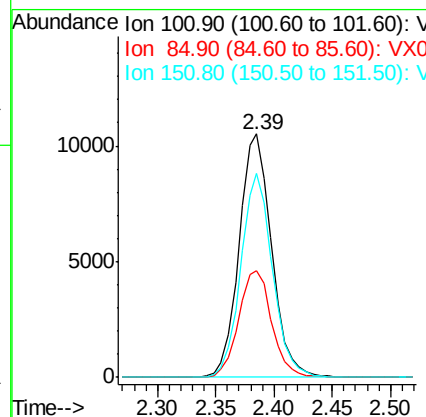
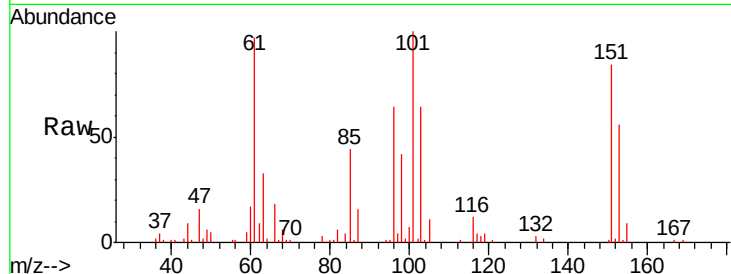
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.47 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	20445		
85	44.7	35.0	52.4	
151	81.9	66.2	99.2	

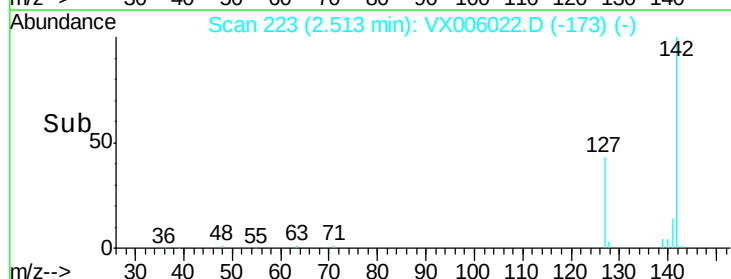
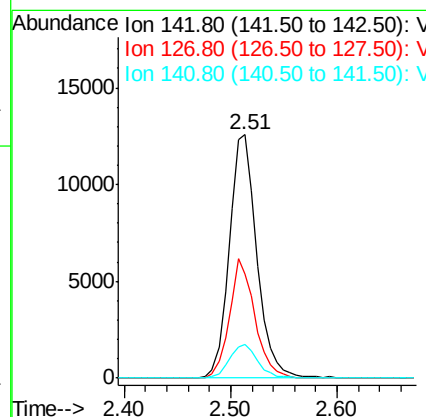
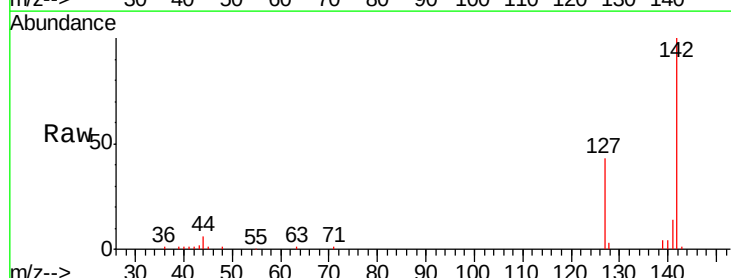
Manual Integrations
 APPROVED

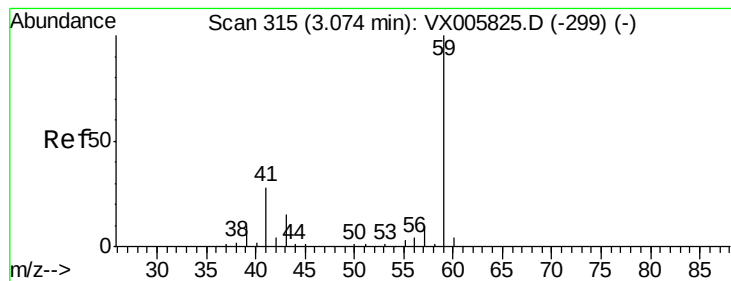
MMDadoda
 11/16/2018 10:52:12 AM



#10
 Methyl Iodide
 Concen: 16.96 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	22758		
127	45.1	36.0	54.0	
141	14.1	11.7	17.5	





#11

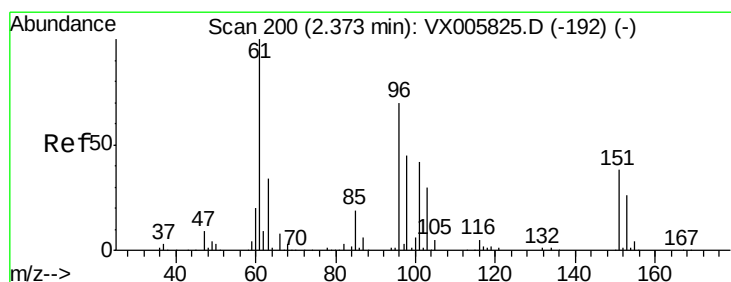
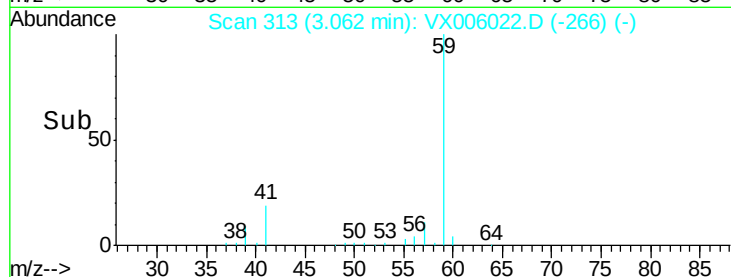
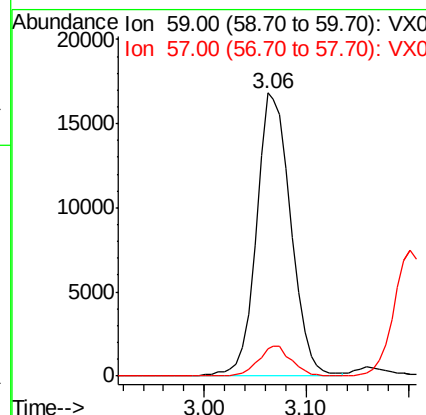
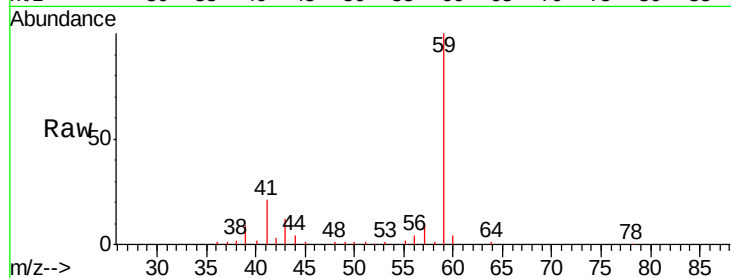
Tert butyl alcohol
Concen: 98.06 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

Manual Integrations
APPROVED

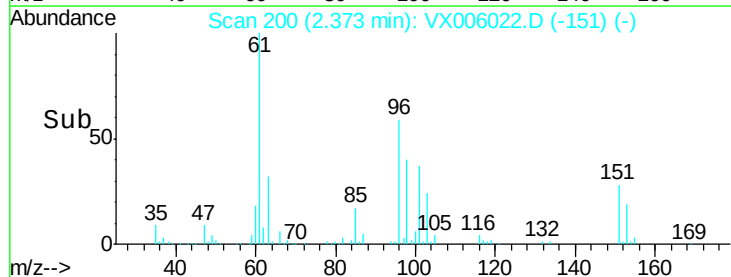
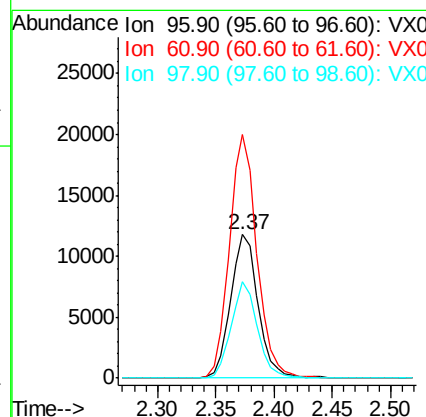
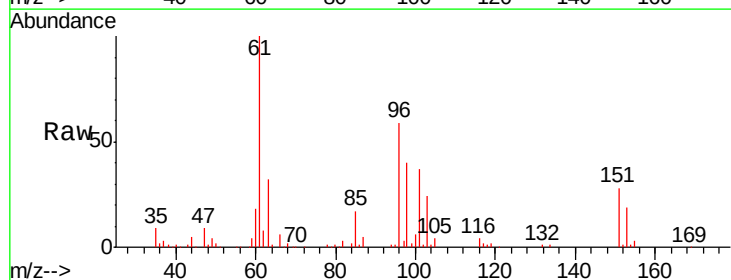
MMDadoda
11/16/2018 10:52:12 AM

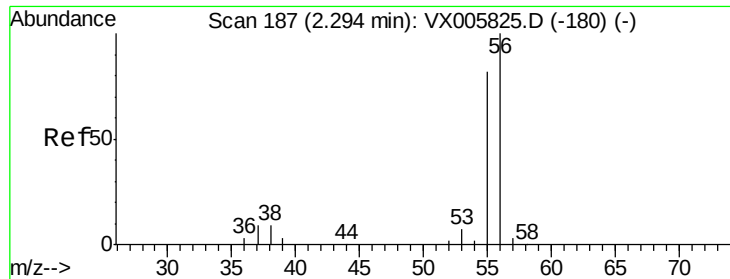


#12

1,1-Dichloroethene
Concen: 17.88 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.9	131.8	197.8
98	67.3	53.4	80.2





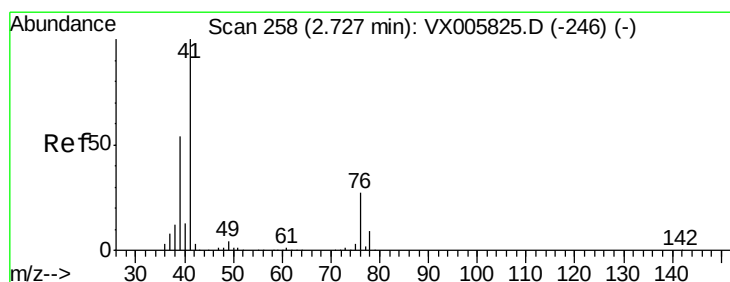
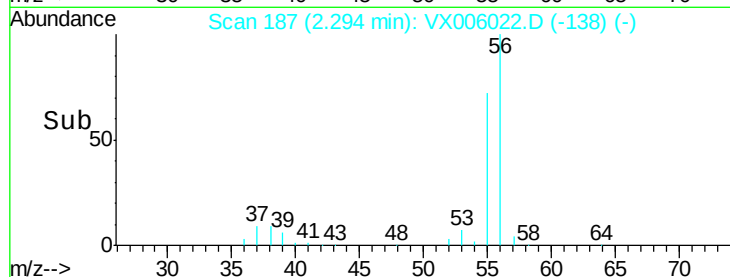
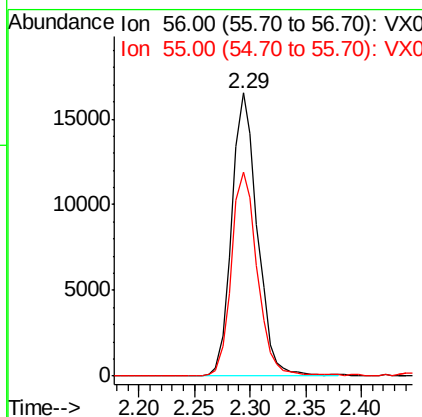
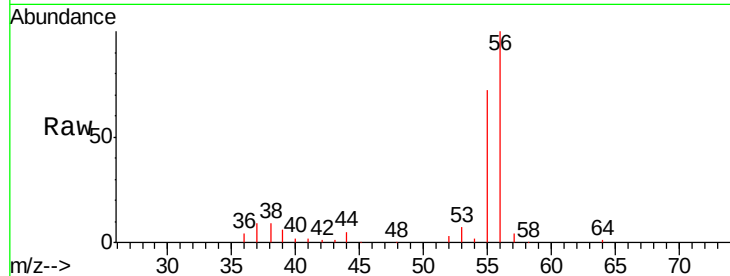
#13
Acrolein
Concen: 146.29 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBS01

Tgt Ion: 56 Resp: 26392
Ion Ratio Lower Upper
56 100
55 73.1 57.3 85.9

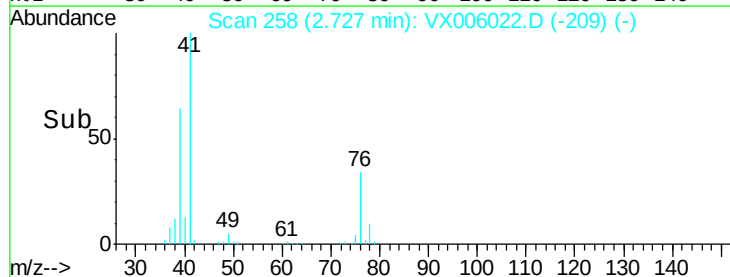
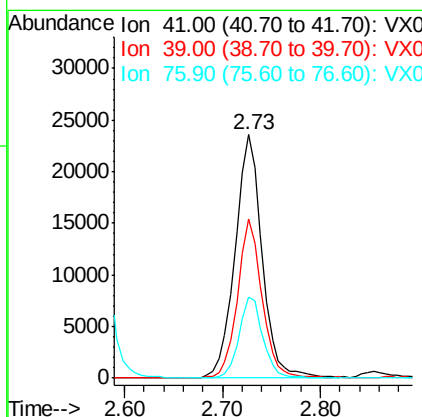
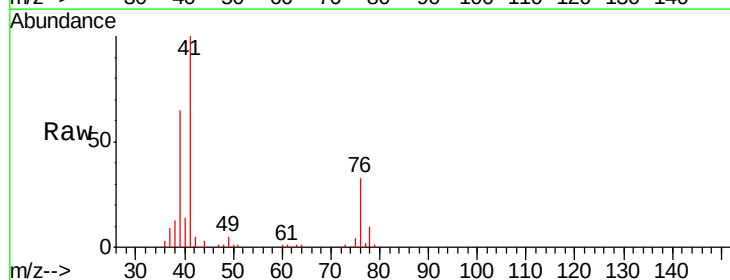
Manual Integrations
APPROVED

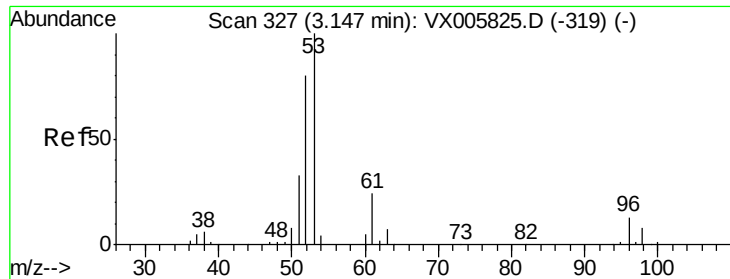
MMDadoda
11/16/2018 10:52:12 AM



#14
Allyl chloride
Concen: 18.79 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 41 Resp: 45270
Ion Ratio Lower Upper
41 100
39 59.6 48.2 72.4
76 29.5 21.9 32.9





#15

Acrylonitrile

Concen: 99.62 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

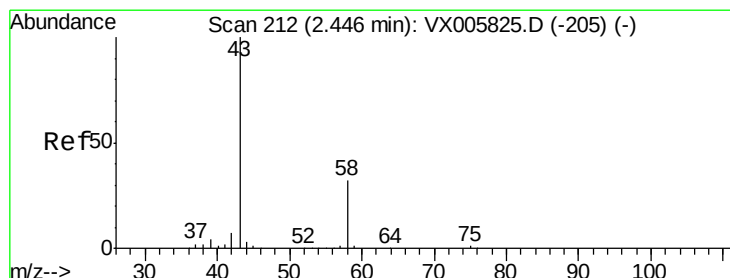
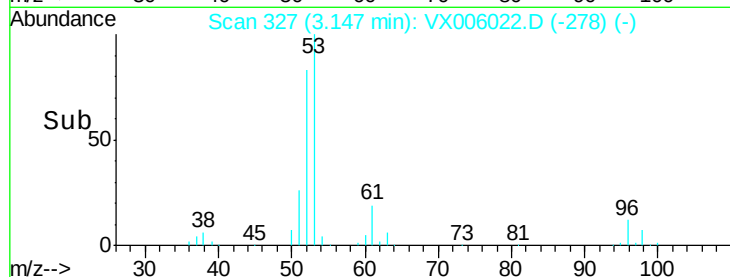
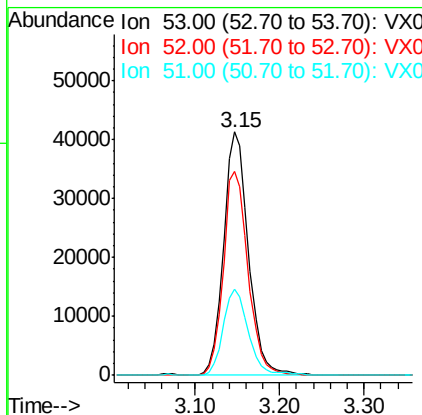
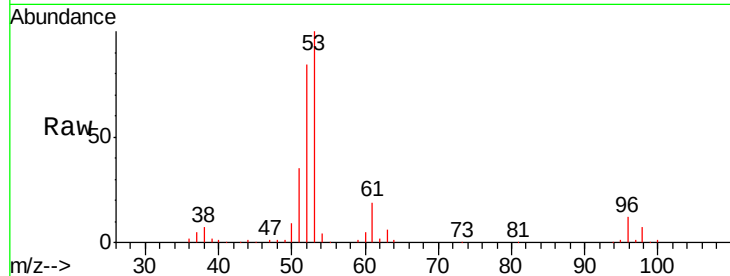
ClientSampleId :

VX1115MBSD01

Tgt Ion:	53	Resp:	83001
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.6	99.8
51	36.7	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
11/16/2018 10:52:12 AM



#16

Acetone

Concen: 94.43 ug/l

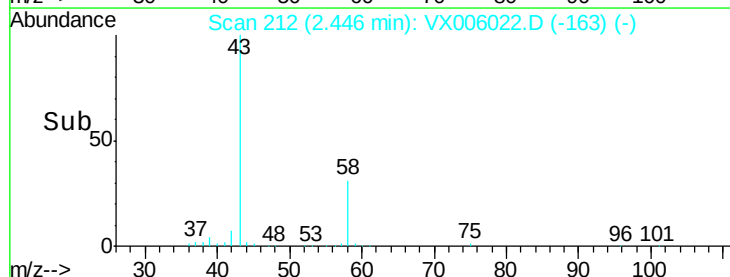
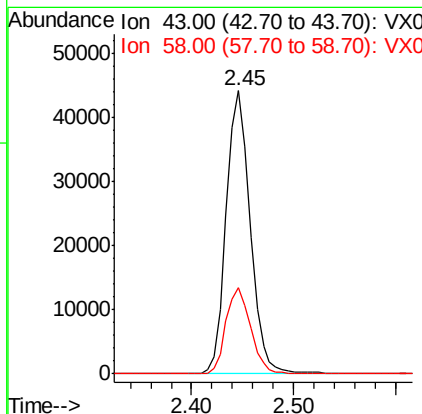
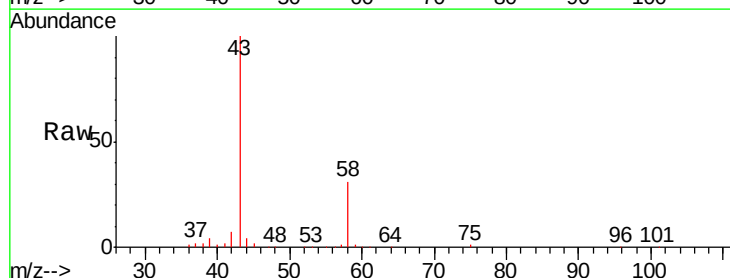
RT: 2.45 min Scan# 212

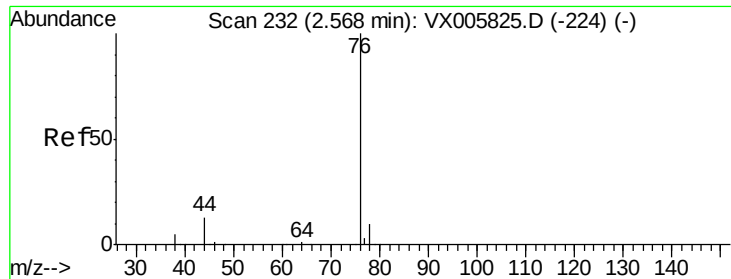
Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Tgt Ion:	43	Resp:	71356
Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.8	35.6





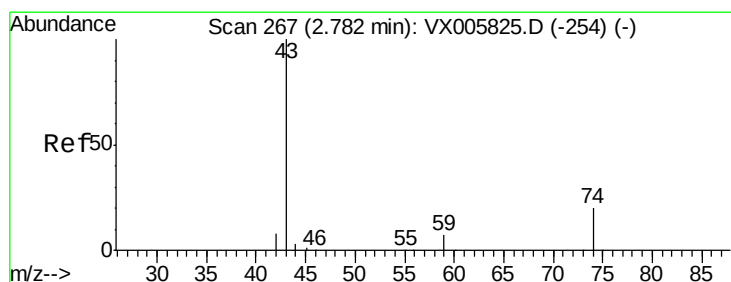
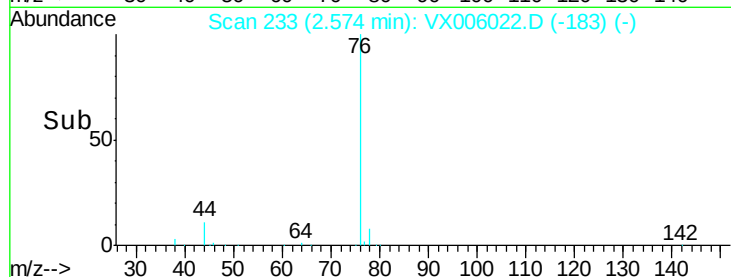
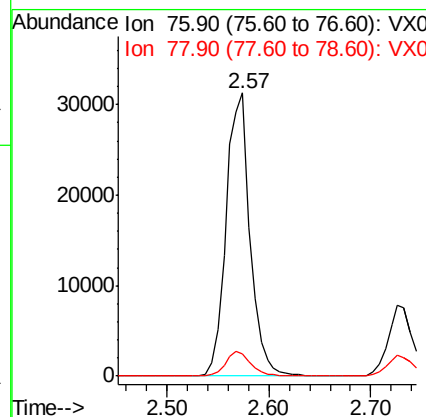
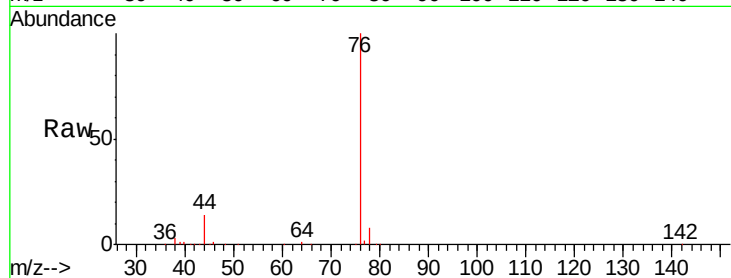
#17
Carbon Disulfide
Concen: 15.84 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion: 76 Resp: 50970
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9

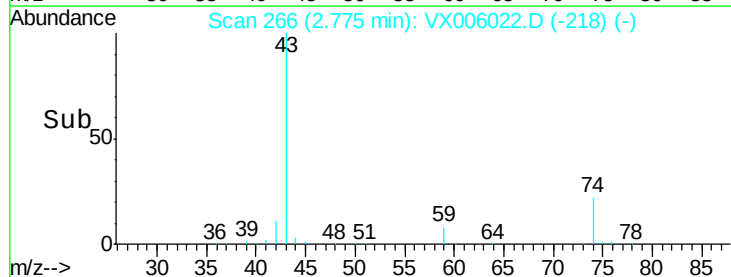
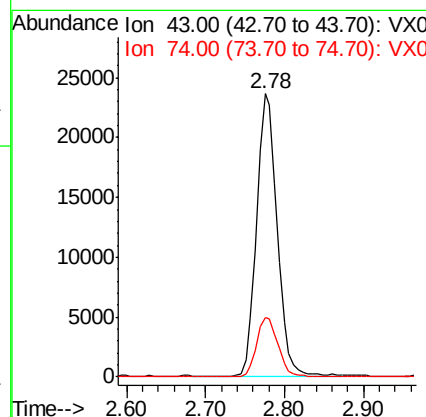
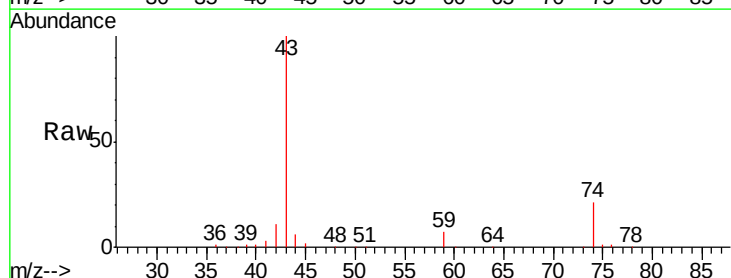
Manual Integrations
APPROVED

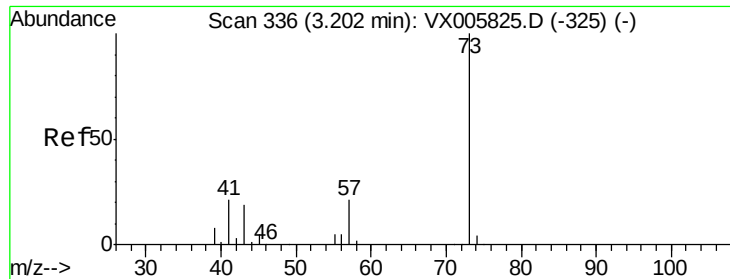
MMDadoda
11/16/2018 10:52:12 AM



#18
Methyl Acetate
Concen: 20.69 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 43 Resp: 43649
Ion Ratio Lower Upper
43 100
74 21.6 16.8 25.2





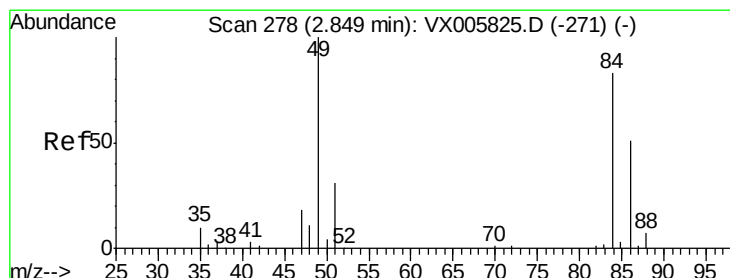
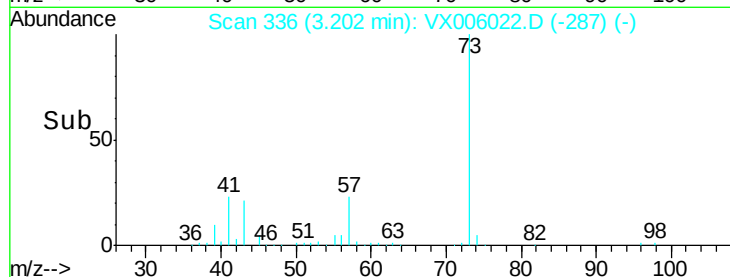
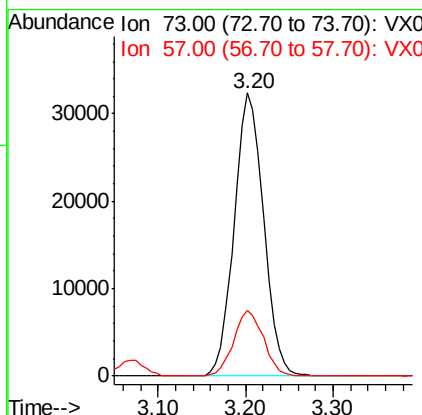
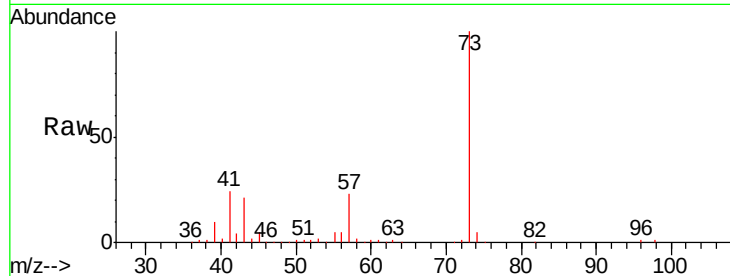
#19
Methyl tert-butyl Ether
Concen: 20.60 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion: 73 Resp: 75860
Ion Ratio Lower Upper
73 100
57 23.0 18.8 28.2

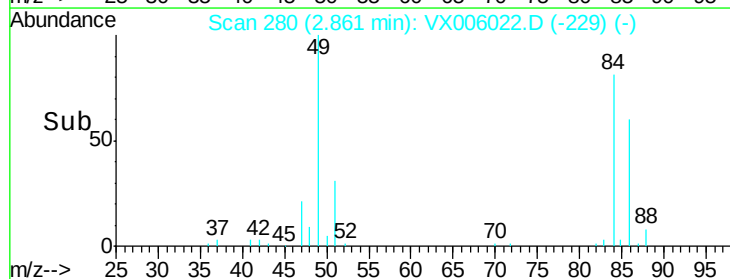
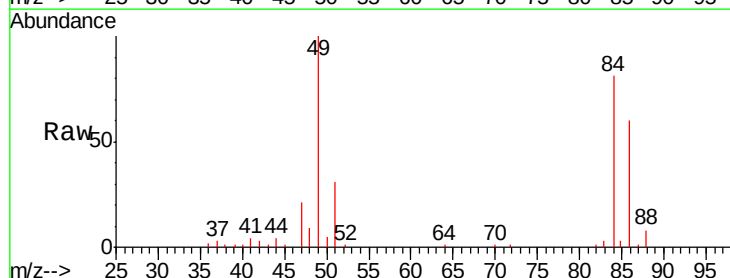
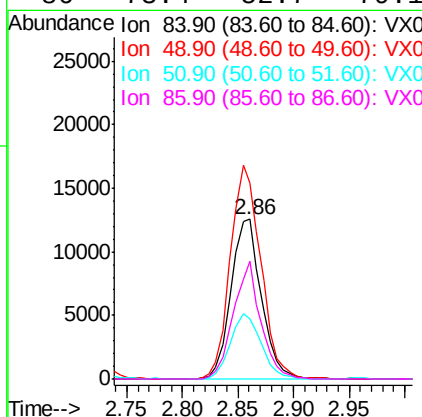
Manual Integrations
APPROVED

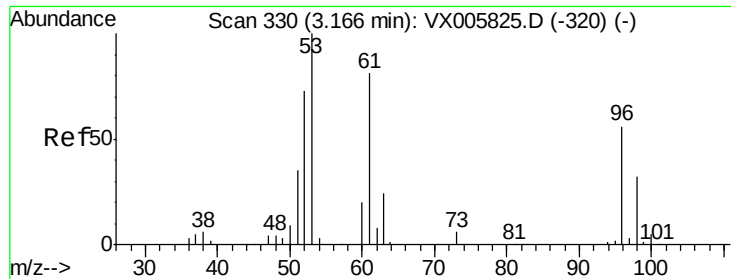
MMDadoda
11/16/2018 10:52:12 AM



#20
Methylene Chloride
Concen: 19.21 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 84 Resp: 23844
Ion Ratio Lower Upper
84 100
49 122.9 109.5 164.3
51 37.6 33.3 49.9
86 73.4 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 18.25 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion: 96 Resp: 20766

Ion Ratio Lower Upper

96 100

61 146.6 115.6 173.4

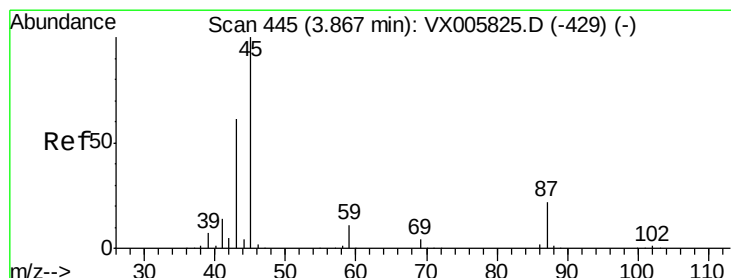
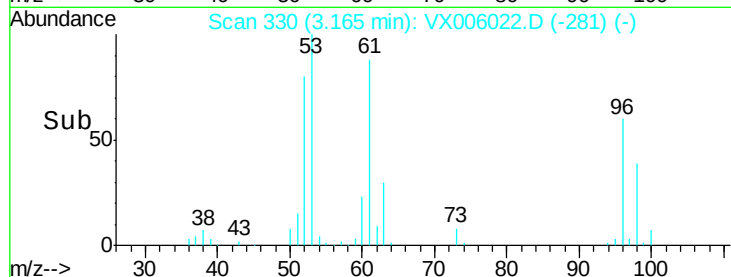
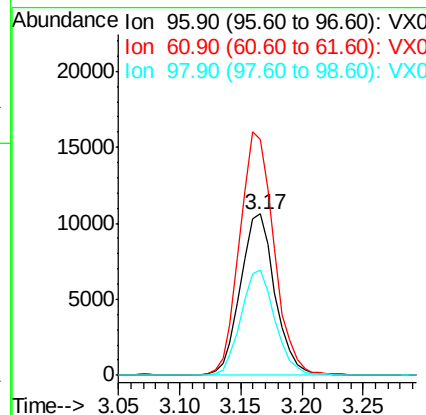
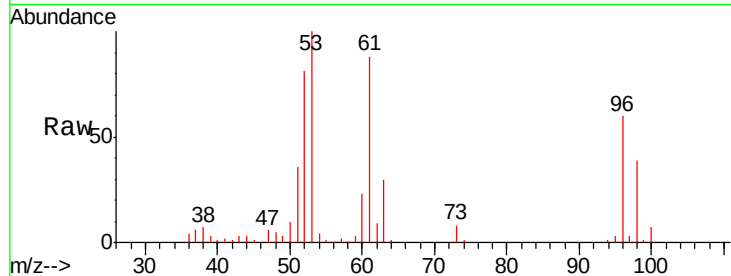
98 65.7 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

11/16/2018 10:52:12 AM



#22

Diisopropyl ether

Concen: 19.34 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Tgt Ion: 45 Resp: 81643

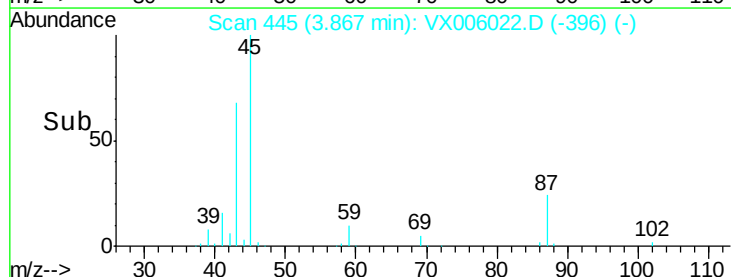
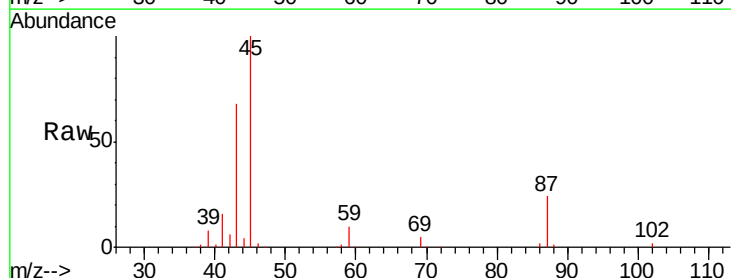
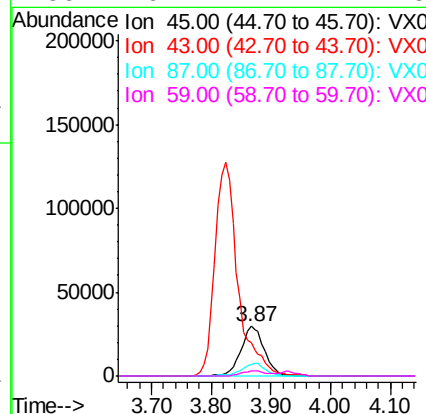
Ion Ratio Lower Upper

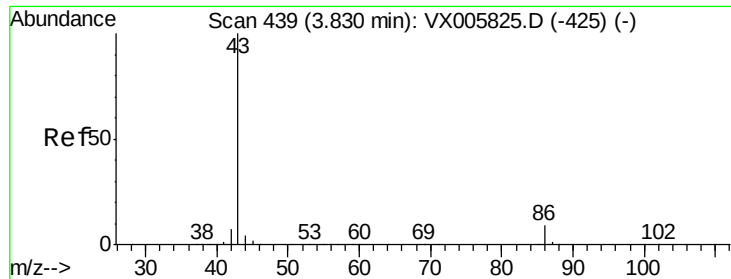
45 100

43 67.5 47.4 71.2

87 23.8 15.9 23.9

59 10.4 7.7 11.5





#23

Vinyl Acetate

Concen: 93.90 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion: 43 Resp: 339876

Ion Ratio Lower Upper

43 100

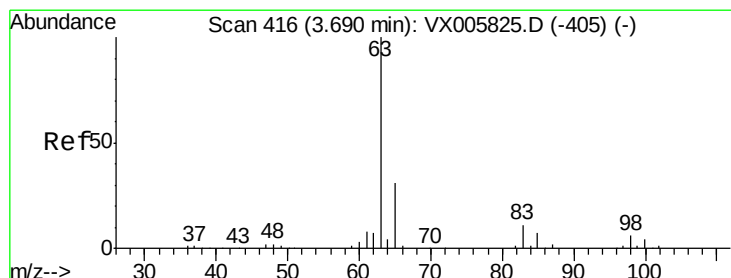
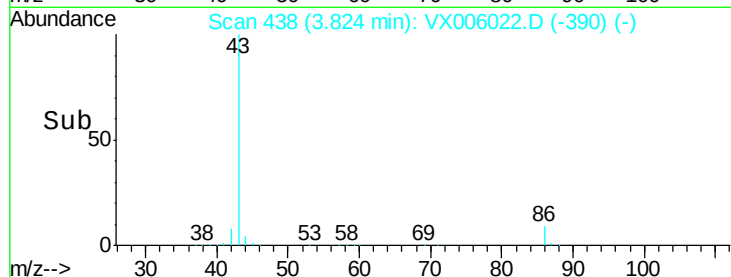
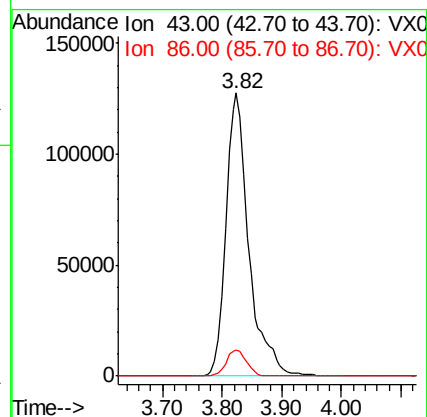
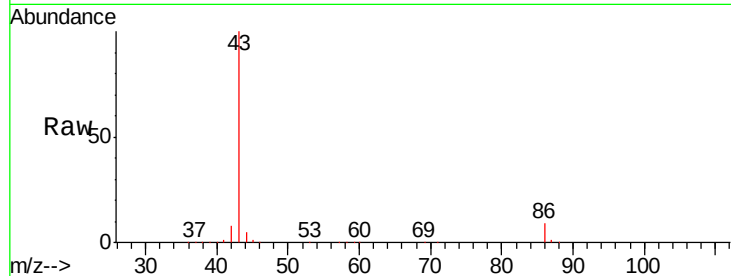
86 9.3 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

11/16/2018 10:52:12 AM



#24

1,1-Dichloroethane

Concen: 18.61 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

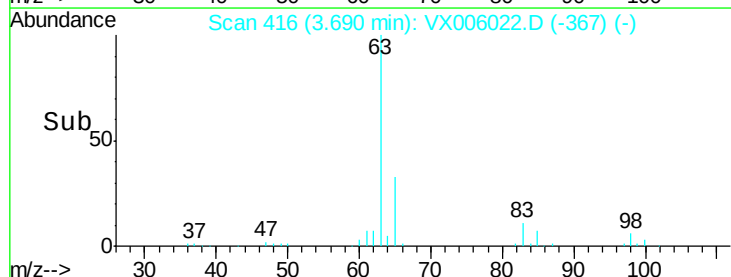
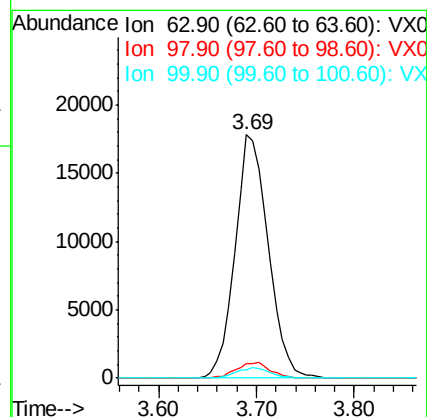
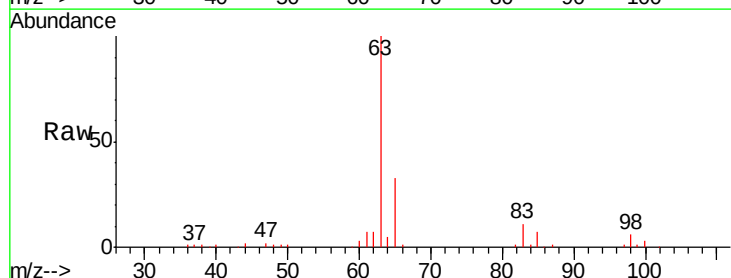
Tgt Ion: 63 Resp: 41909

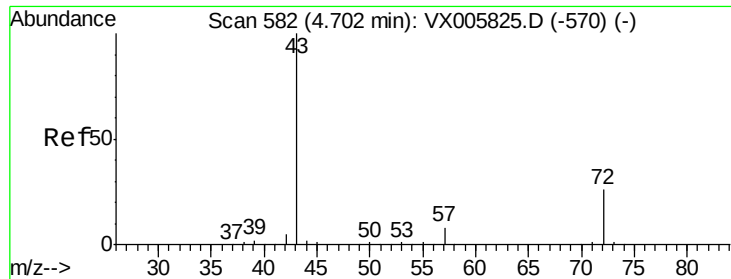
Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 3.5 2.1 6.2





#25

2-Butanone

Concen: 95.30 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion: 43 Resp: 113207

Ion Ratio Lower Upper

43 100

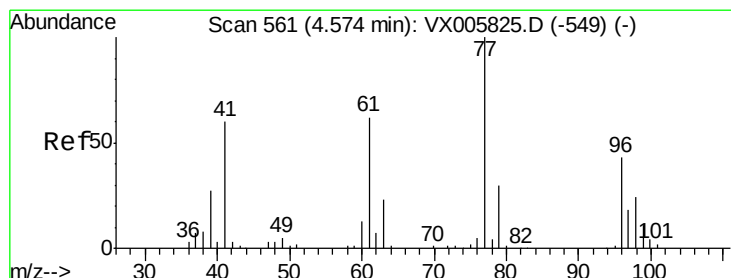
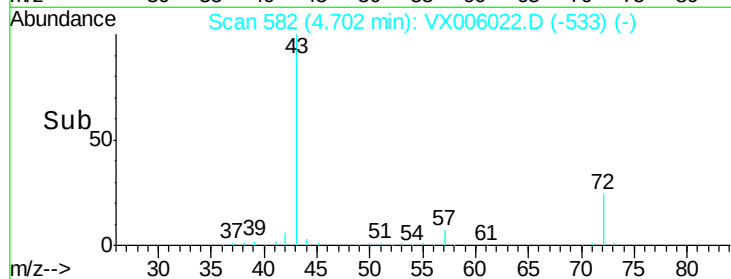
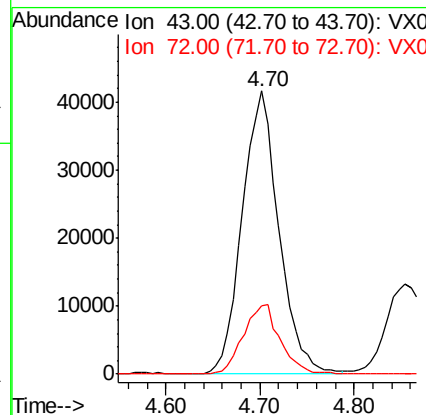
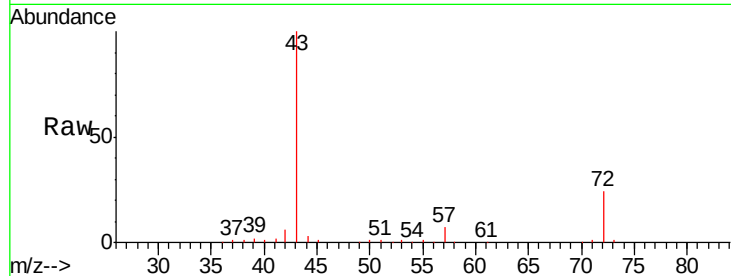
72 24.3 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/16/2018 10:52:12 AM



#26

2,2-Dichloropropane

Concen: 19.54 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006022.D

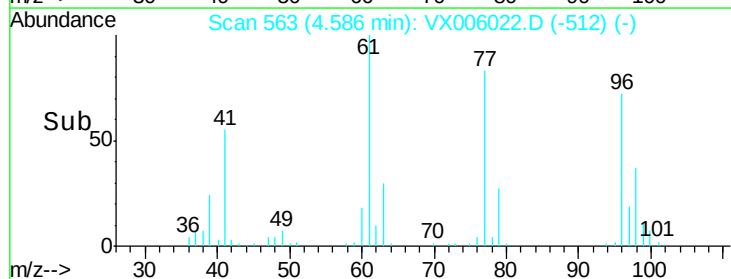
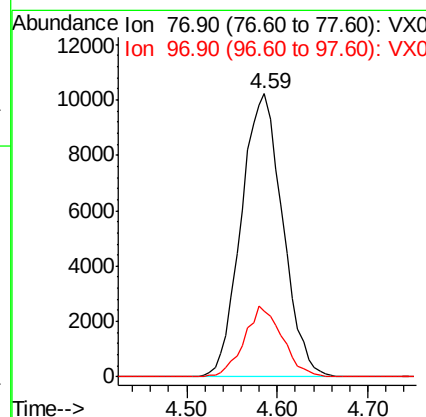
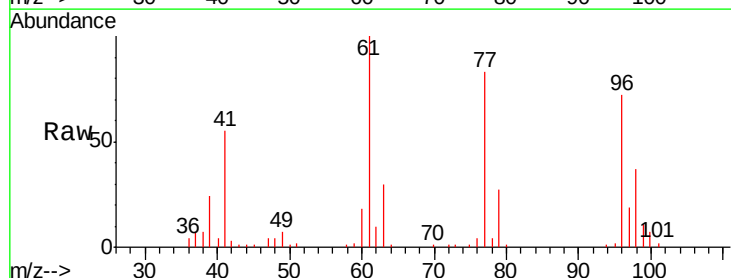
Acq: 15 Nov 2018 16:13

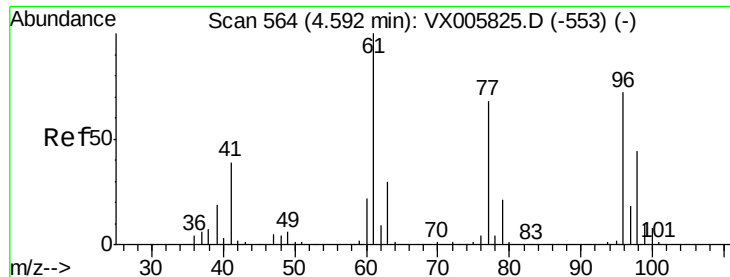
Tgt Ion: 77 Resp: 32288

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5





#27

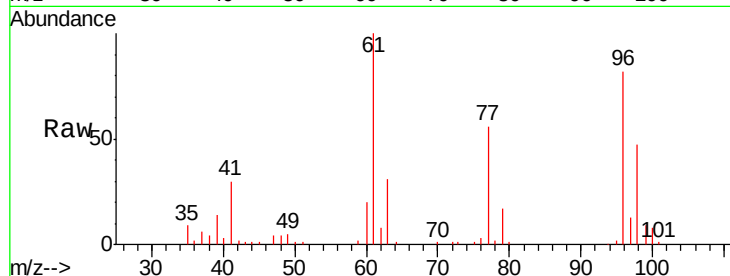
cis-1,2-Dichloroethene
Concen: 19.64 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBS01

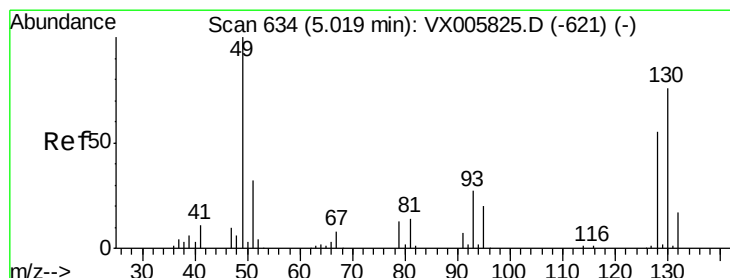
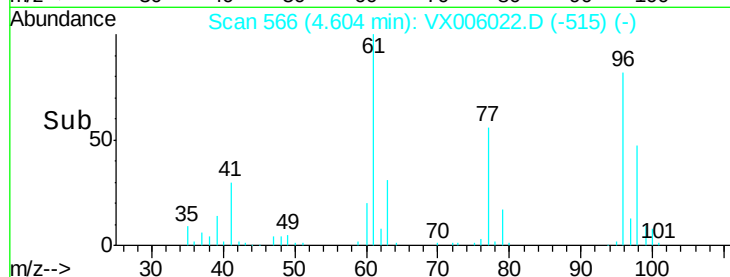
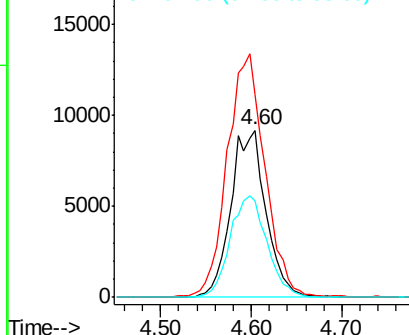
Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.5	0.0	304.6
98	63.8	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
11/16/2018 10:52:12 AM



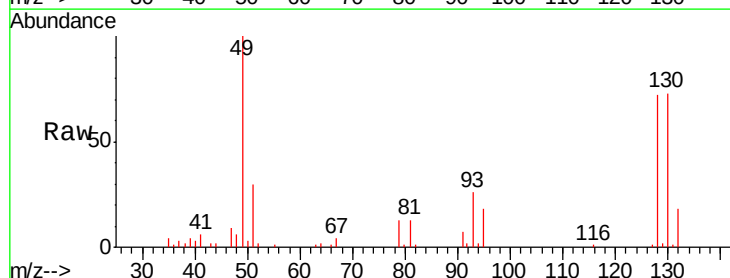
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



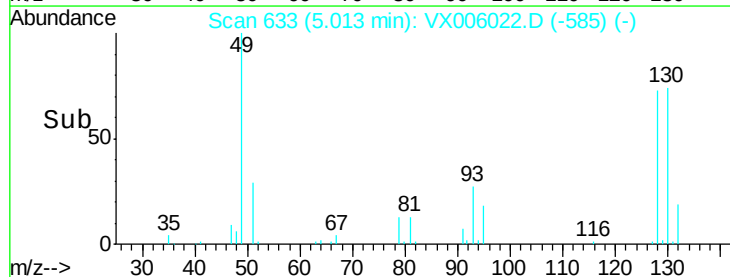
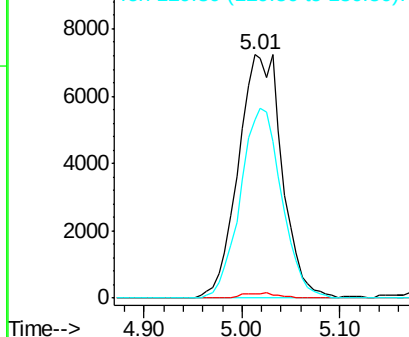
#28

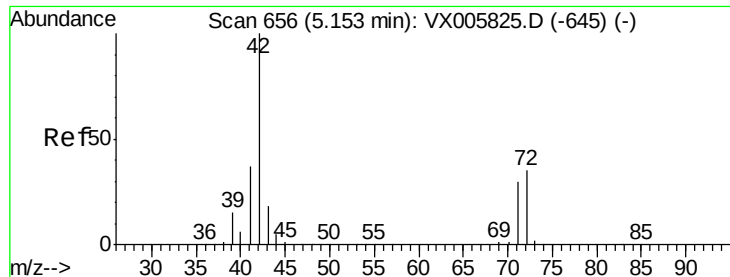
Bromochloromethane
Concen: 22.36 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	73.3	58.9	88.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





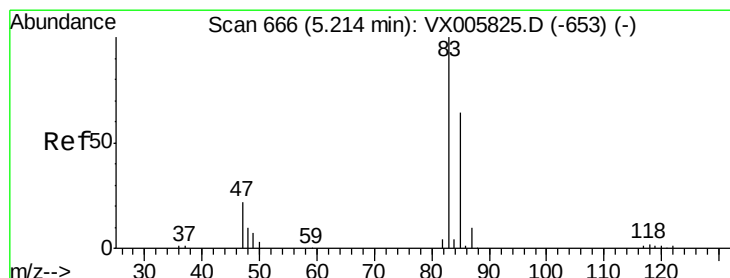
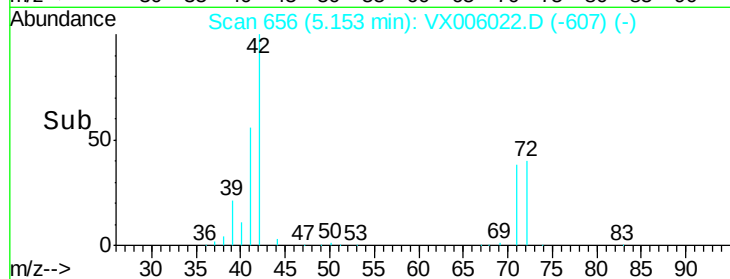
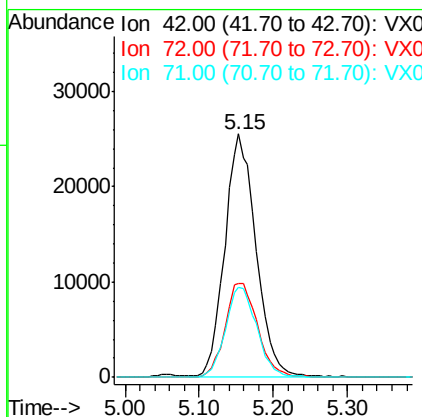
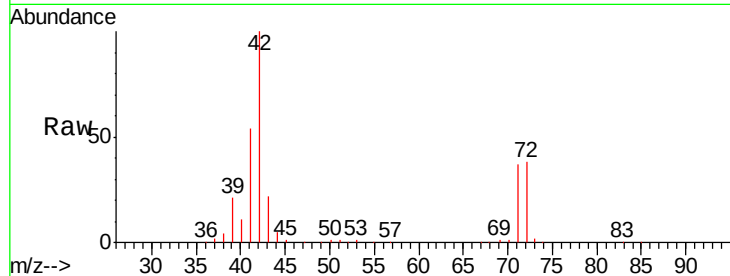
#29
Tetrahydrofuran
Concen: 97.59 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.0	48.0
71	37.6	29.8	44.8

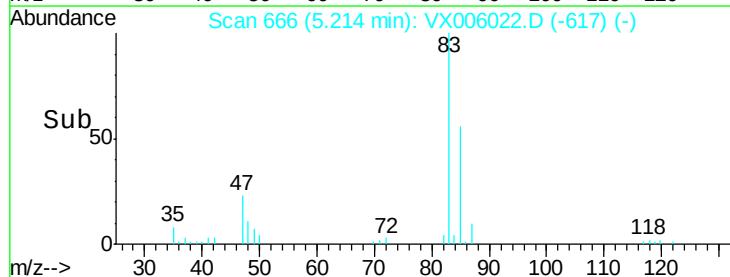
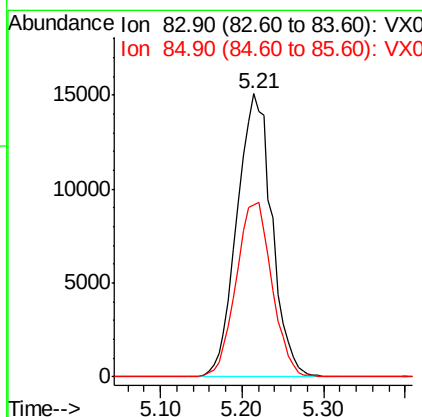
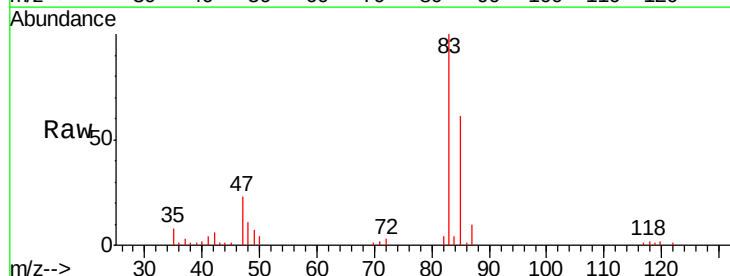
Manual Integrations
APPROVED

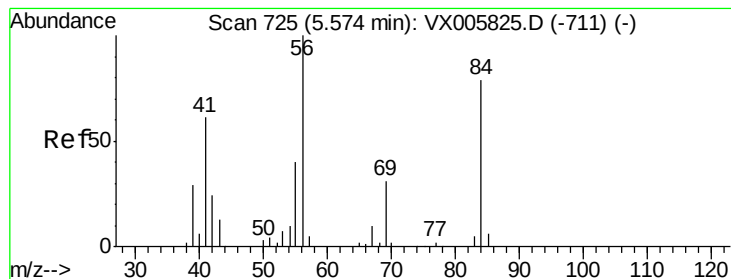
MMDadoda
11/16/2018 10:52:12 AM



#30
Chloroform
Concen: 20.66 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	50.6	76.0





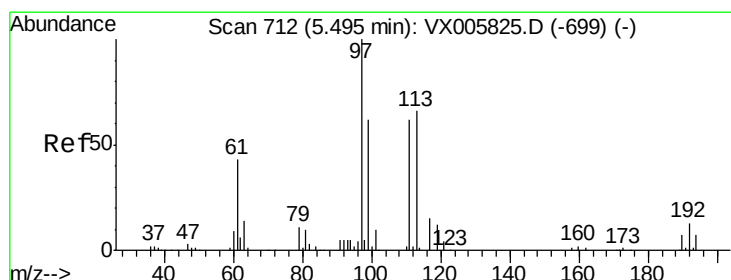
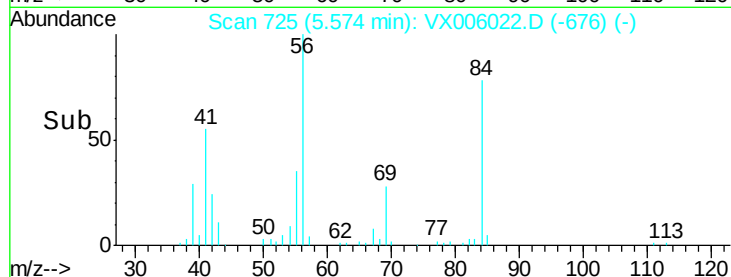
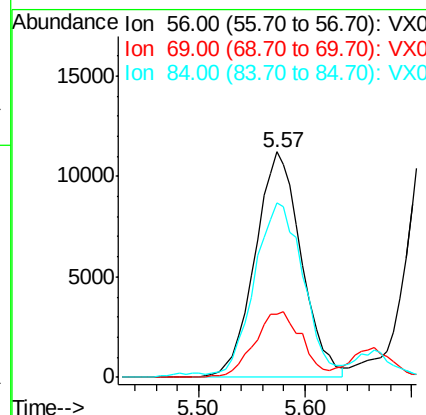
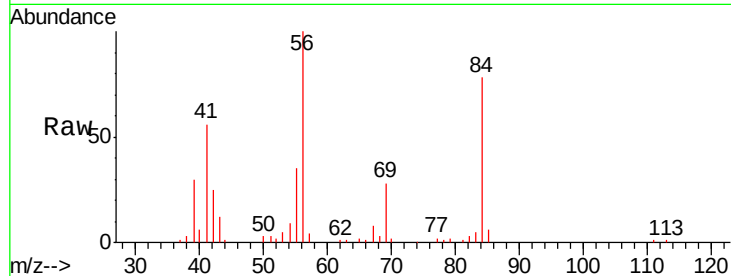
#31
Cyclohexane
Concen: 17.36 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.9	22.6	34.0
84	75.9	62.7	94.1

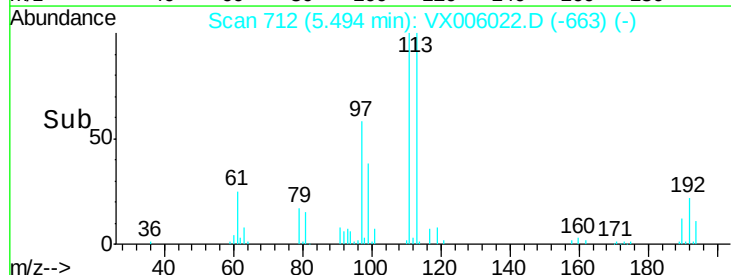
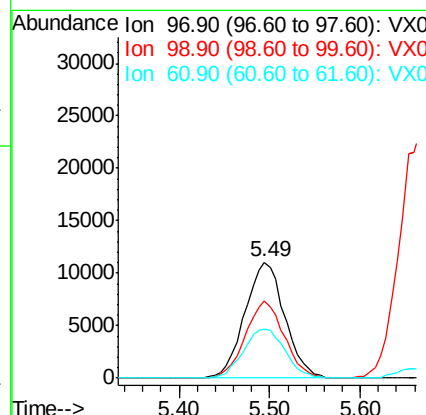
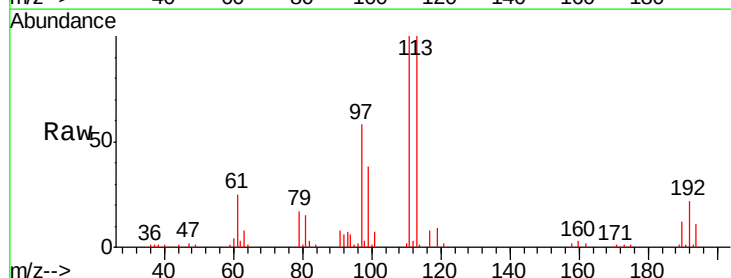
Manual Integrations
APPROVED

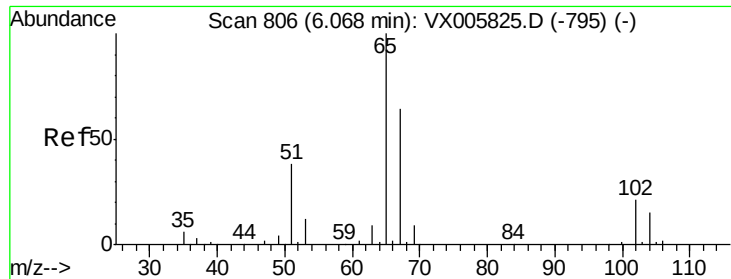
MMDadoda
11/16/2018 10:52:12 AM



#32
1,1,1-Trichloroethane
Concen: 18.47 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.3	78.5
61	44.3	35.2	52.8





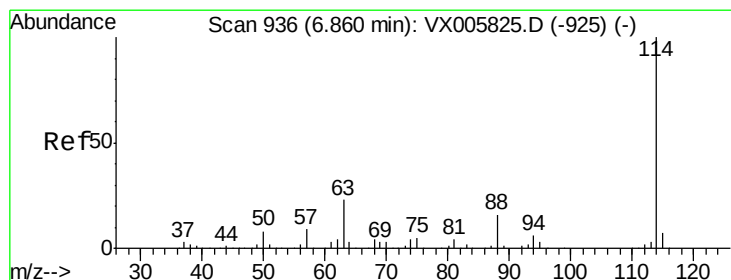
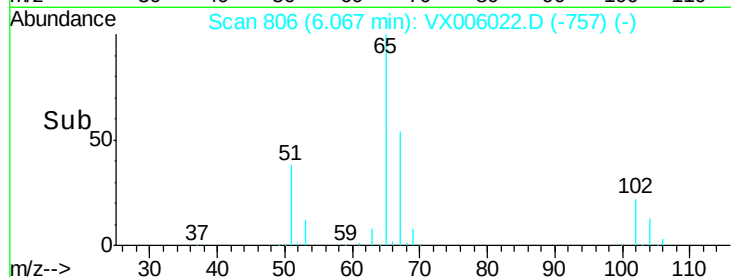
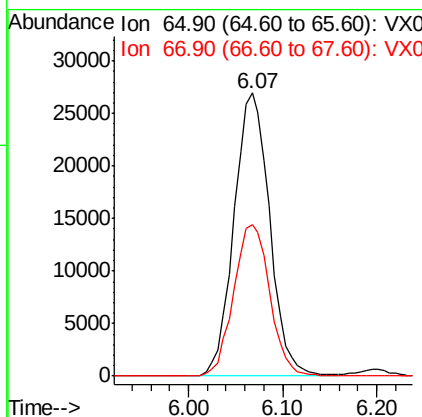
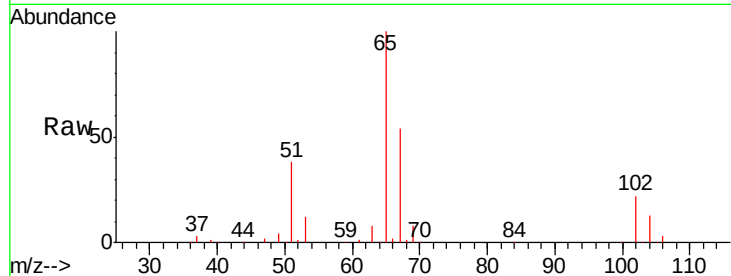
#33
 1,2-Dichloroethane-d4
 Concen: 50.70 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBSD01

Tgt Ion: 65 Resp: 71152
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 105.0

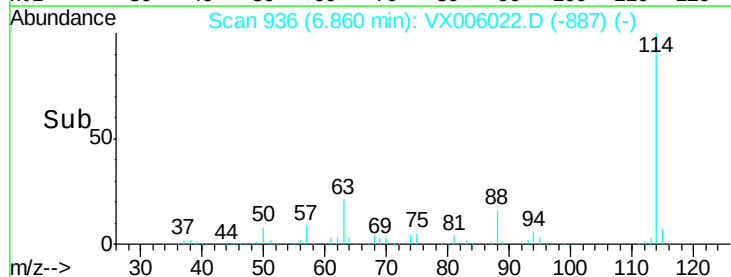
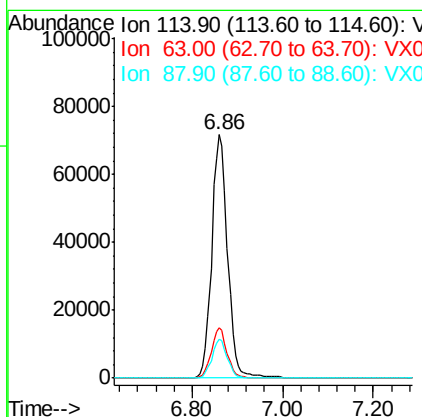
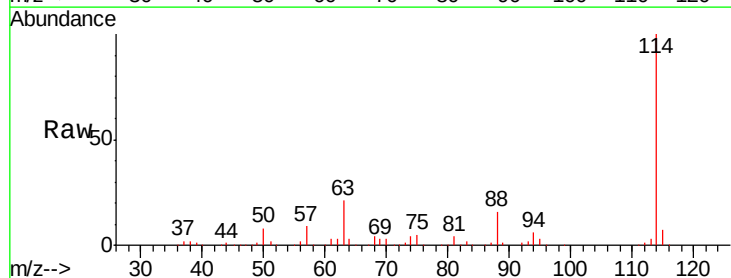
Manual Integrations
 APPROVED

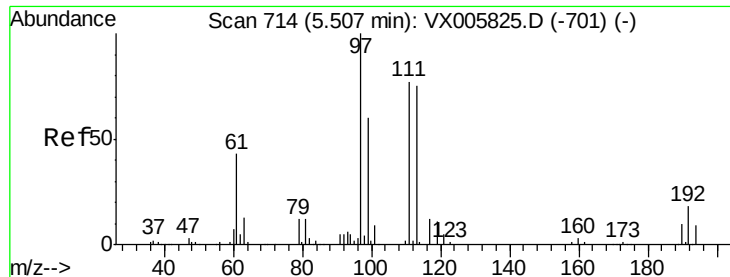
MMDadoda
 11/16/2018 10:52:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion: 114 Resp: 176426
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.8
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.45 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

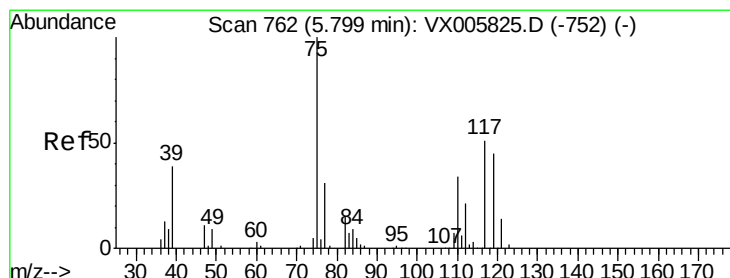
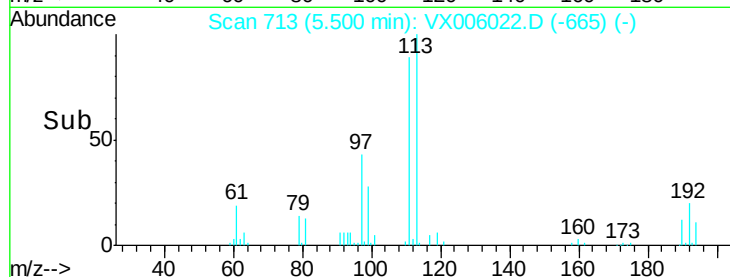
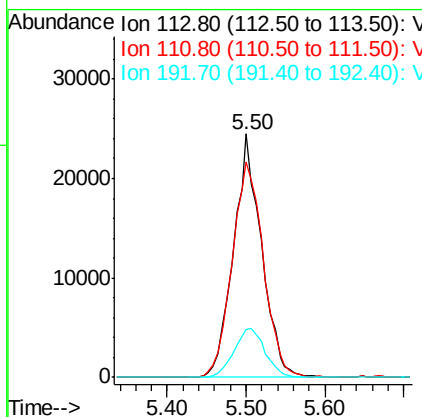
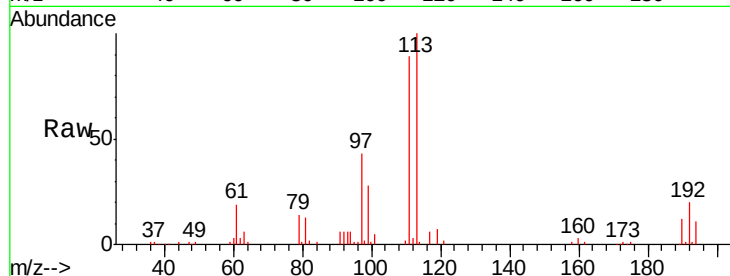
ClientSampleId :

VX1115MBSD01

Tgt Ion:	113	Resp:	60537
Ion	Ratio	Lower	Upper
113	100		
111	98.7	82.3	123.5
192	22.2	17.9	26.9

Manual Integrations
APPROVED

MMDadoda
11/16/2018 10:52:12 AM



#36

1,1-Dichloropropene

Concen: 17.26 ug/l

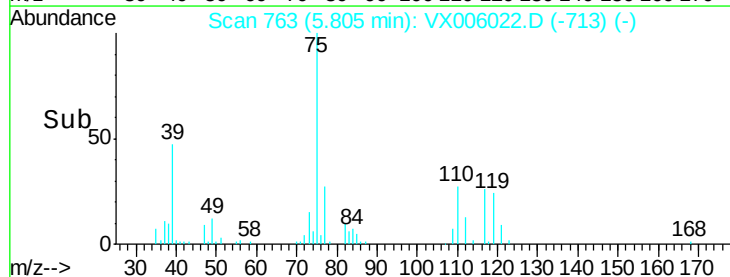
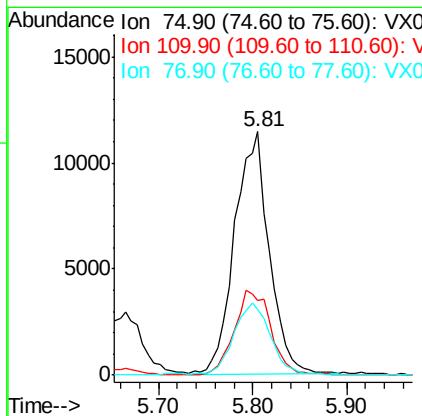
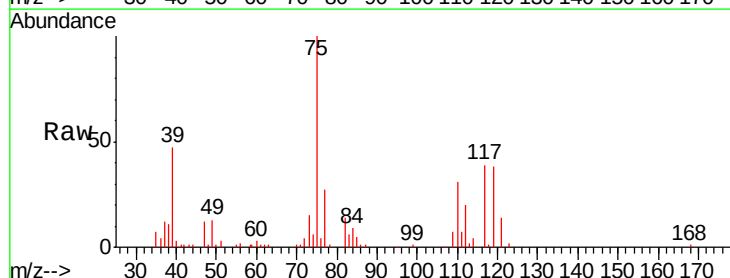
RT: 5.81 min Scan# 763

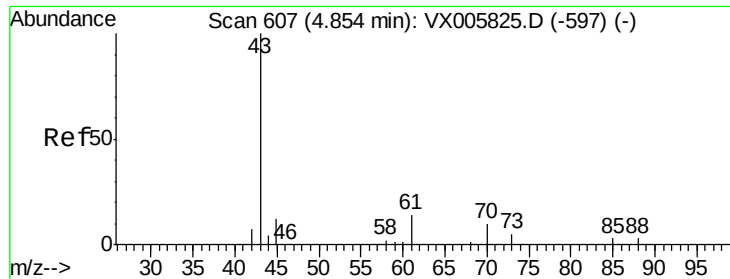
Delta R.T. 0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Tgt Ion:	75	Resp:	29352
Ion	Ratio	Lower	Upper
75	100		
110	37.1	17.4	52.2
77	31.6	25.8	38.6





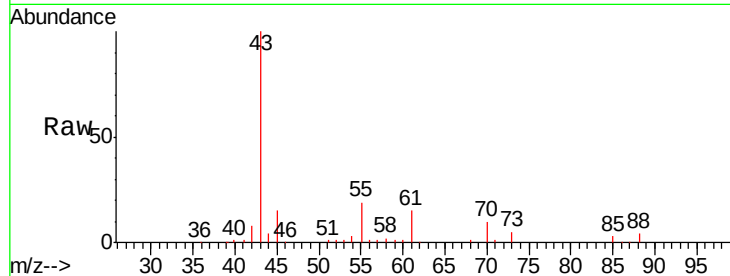
#37
Ethyl Acetate
Concen: 18.05 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

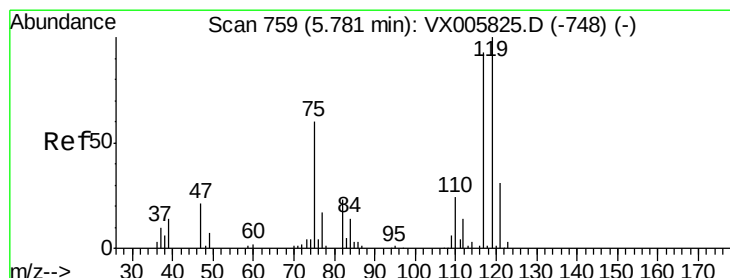
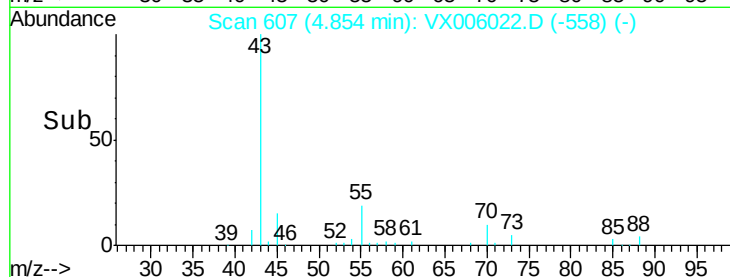
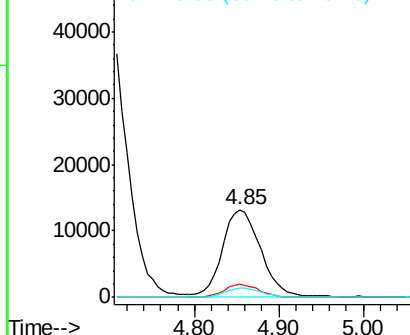
Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.8	16.2
70	10.1	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
11/16/2018 10:52:12 AM

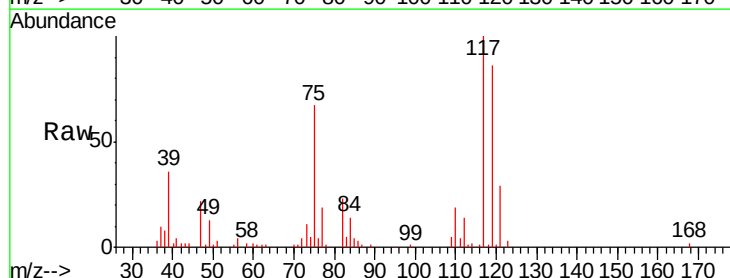


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

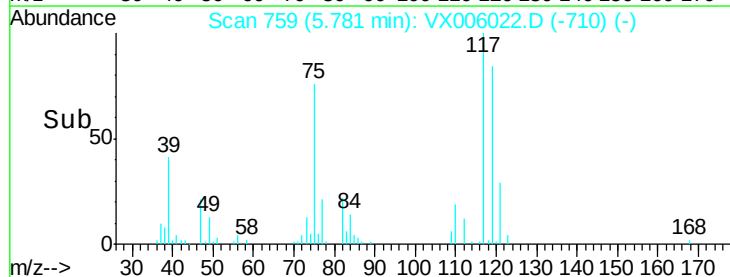
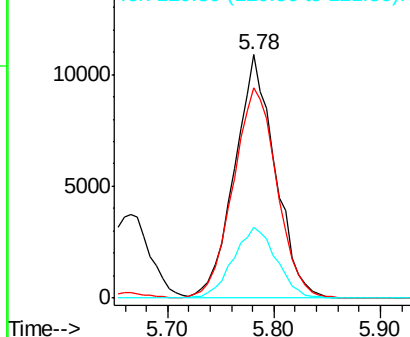


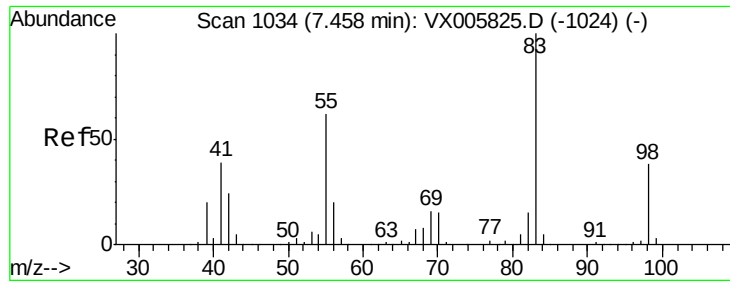
#38
Carbon Tetrachloride
Concen: 17.04 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.4	78.1	117.1
121	29.1	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





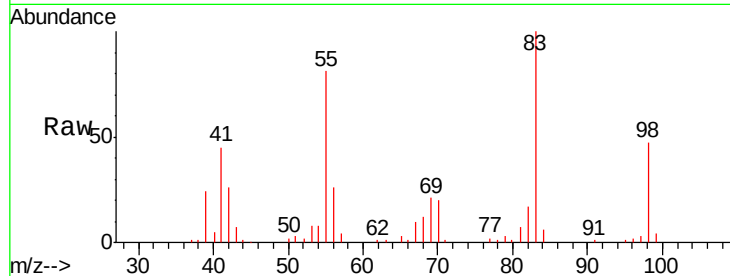
#39
Methylcyclohexane
Concen: 18.11 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

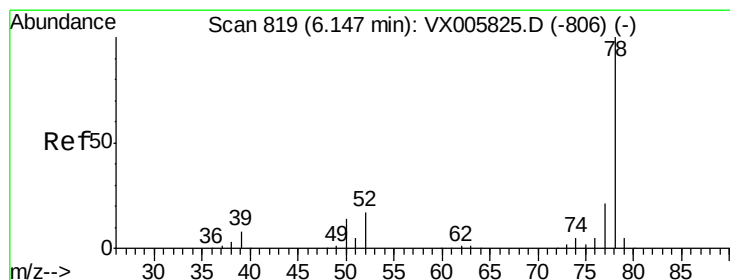
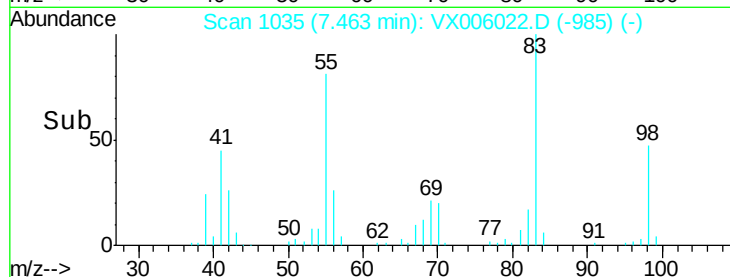
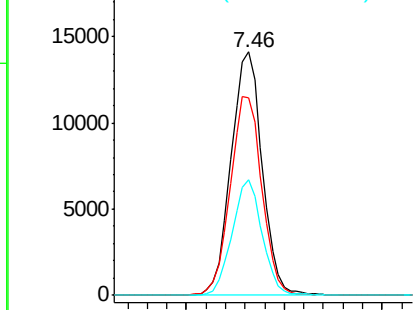
Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.4	63.7	95.5
98	47.3	36.2	54.2

Manual Integrations
APPROVED

MMDadoda
11/16/2018 10:52:12 AM

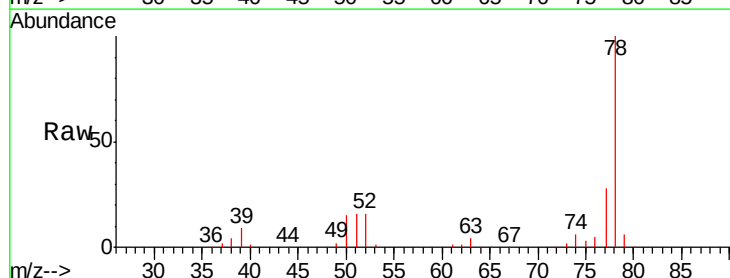


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

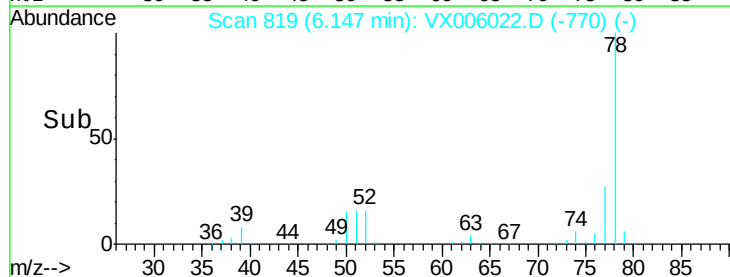
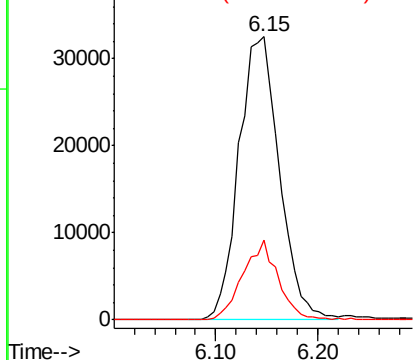


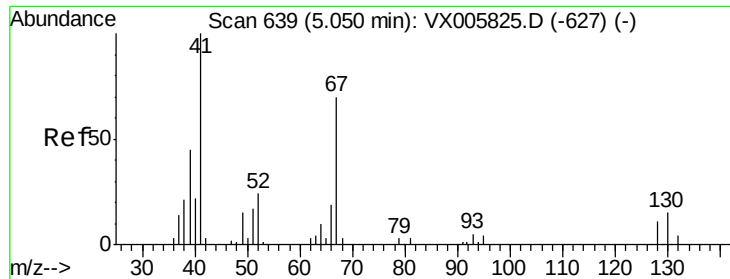
#40
Benzene
Concen: 18.15 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	28.0	18.4	27.6#



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





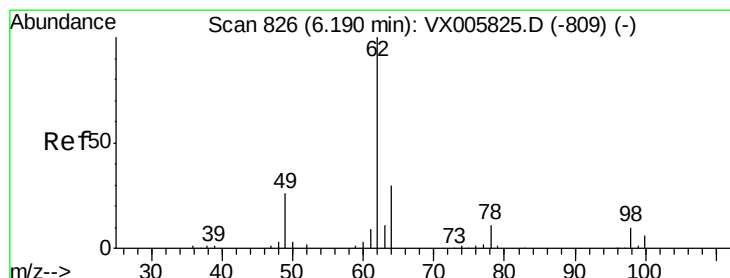
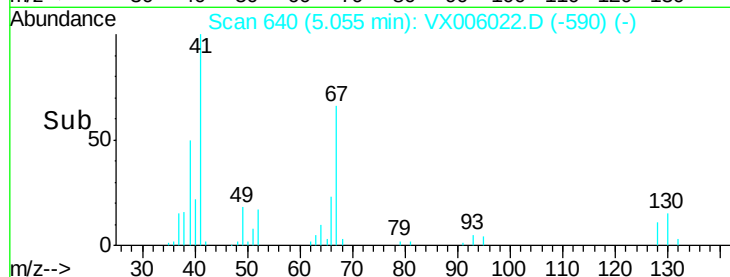
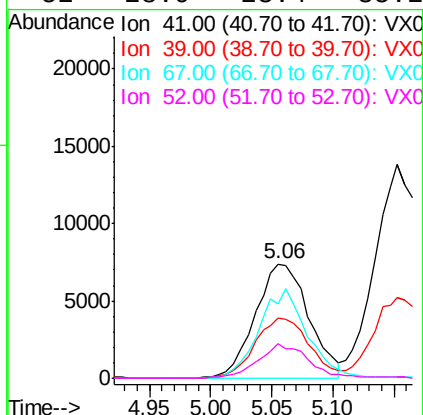
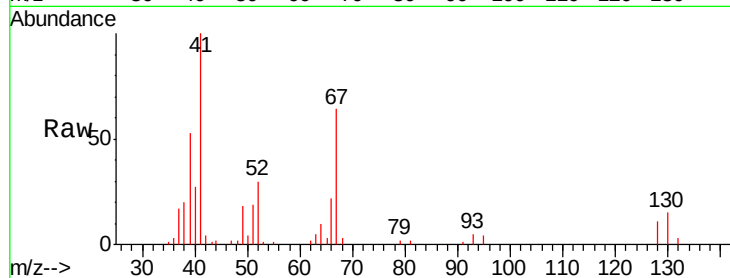
#41
Methacrylonitrile
Concen: 18.59 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	42.2	63.2	
67	70.6	53.4	80.0	
52	28.9	23.4	35.2	

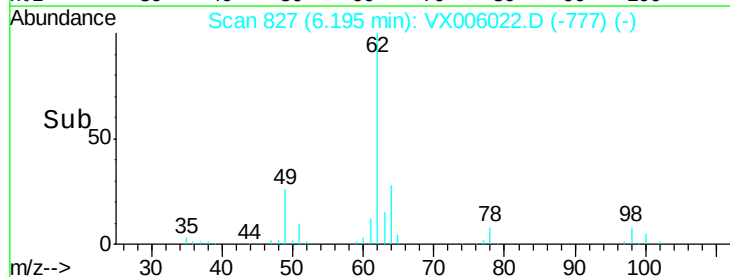
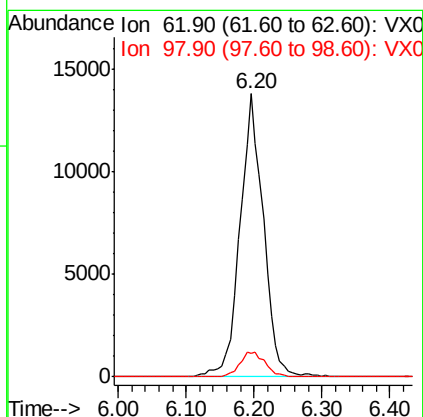
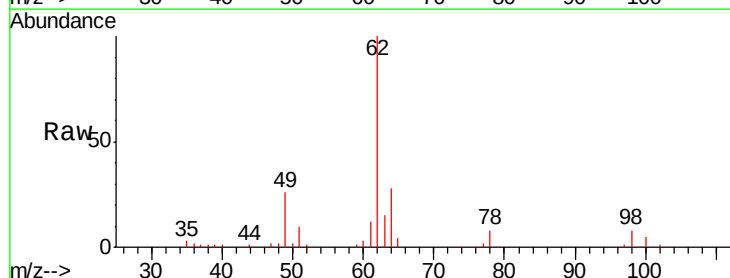
Manual Integrations
APPROVED

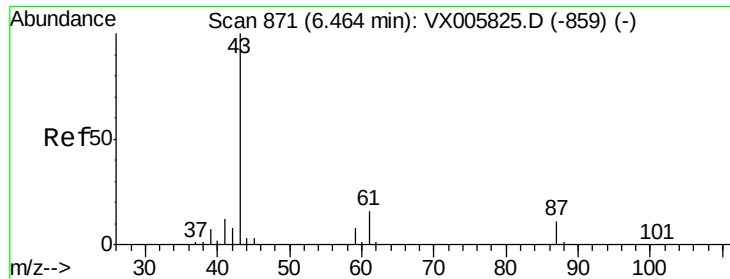
MMDadoda
11/16/2018 10:52:12 AM



#42
1,2-Dichloroethane
Concen: 18.64 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	17.8	





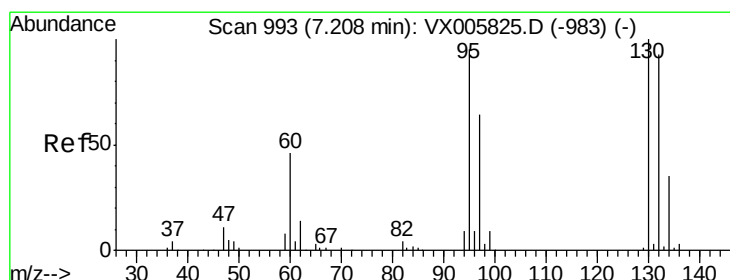
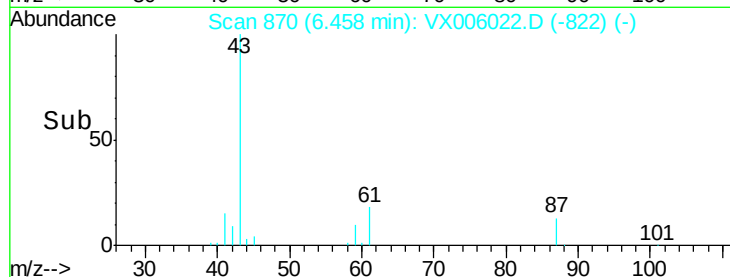
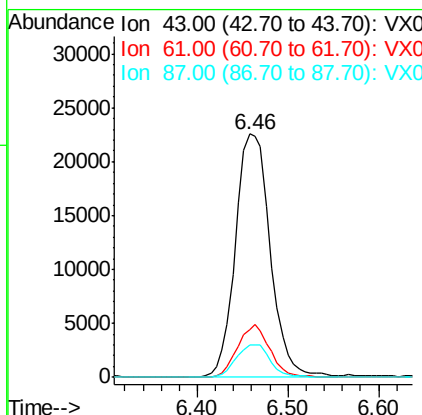
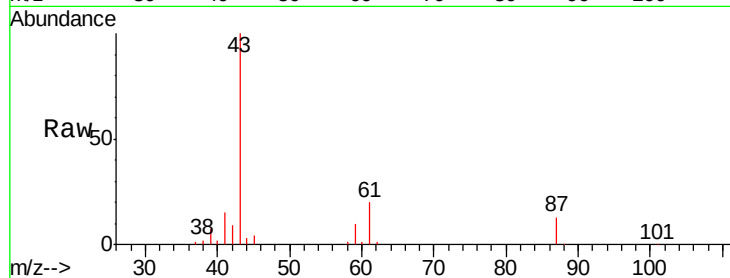
#43
Isopropyl Acetate
Concen: 18.58 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.2	14.6	22.0
87	13.0	9.6	14.4

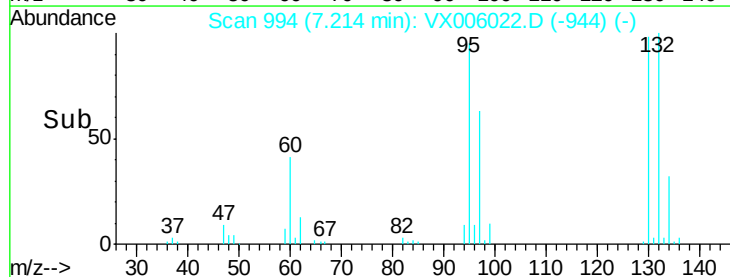
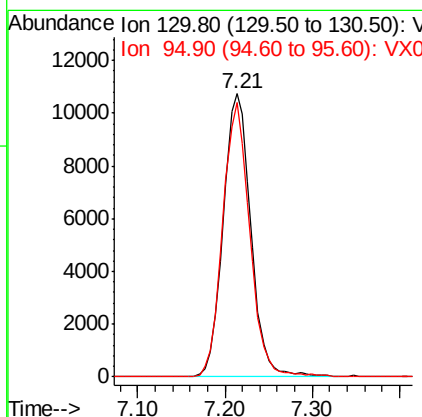
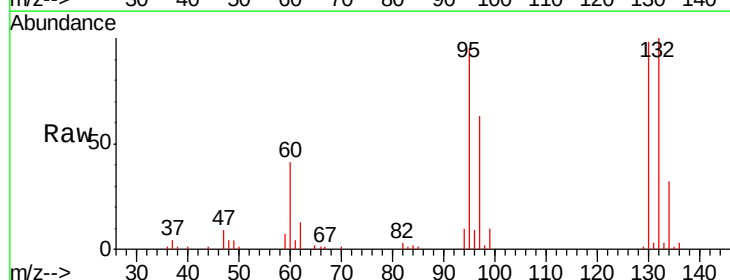
Manual Integrations
APPROVED

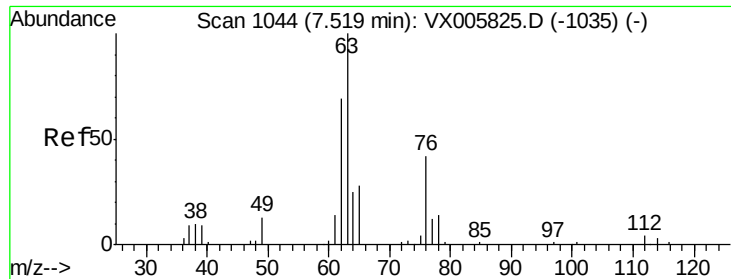
MMDadoda
11/16/2018 10:52:12 AM



#44
Trichloroethene
Concen: 18.72 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	194.2





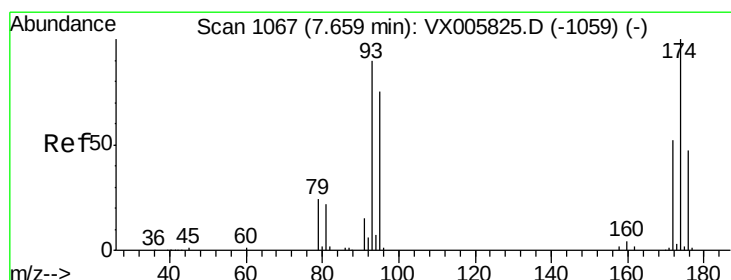
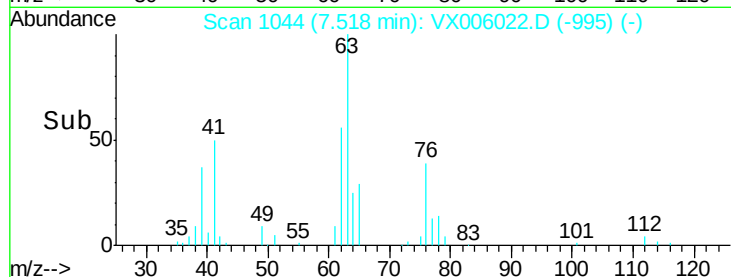
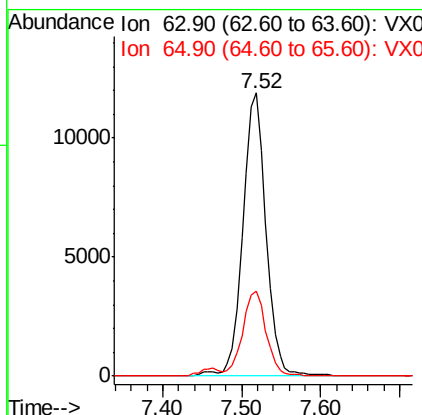
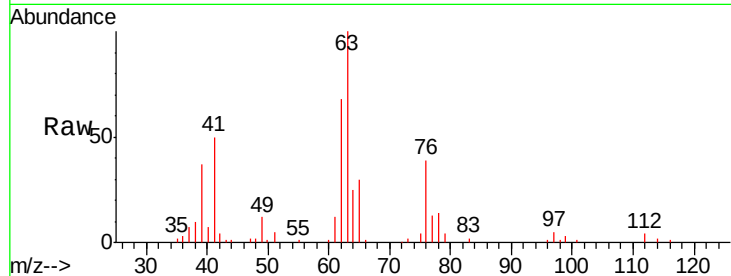
#45
 1,2-Dichloropropane
 Concen: 20.22 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBSD01

Tgt Ion: 63 Resp: 24332
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.8 37.2

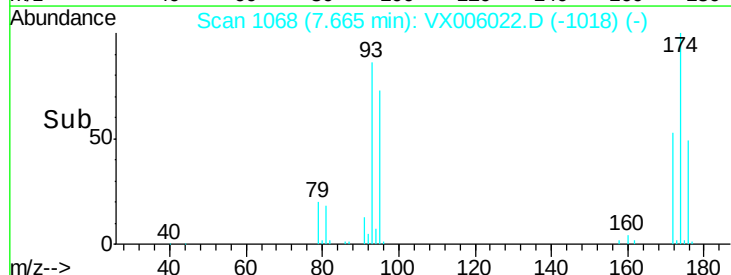
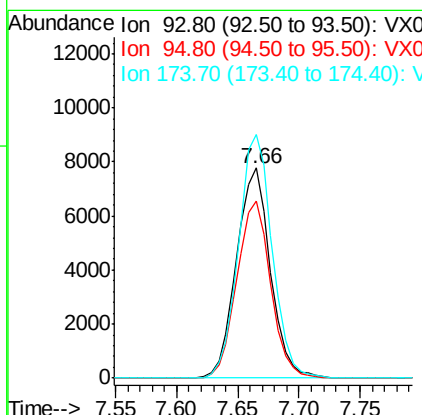
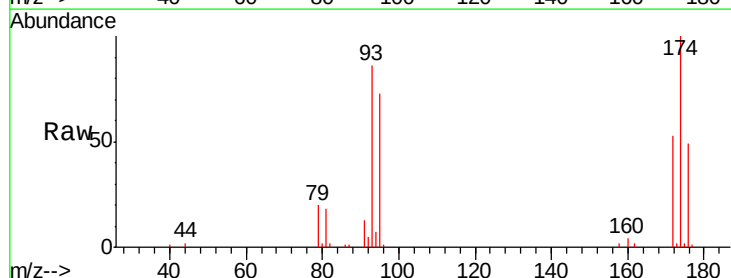
Manual Integrations
 APPROVED

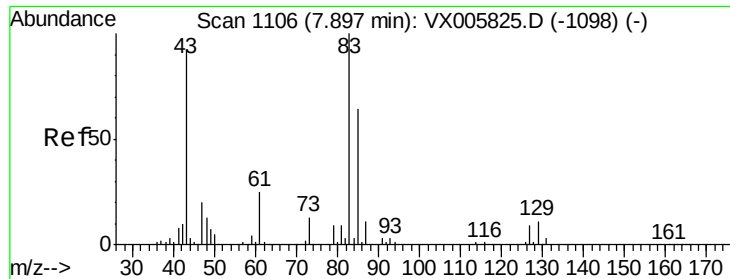
MMDadoda
 11/16/2018 10:52:12 AM



#46
 Dibromomethane
 Concen: 19.78 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion: 93 Resp: 14941
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.4 101.0
 174 115.2 91.5 137.3





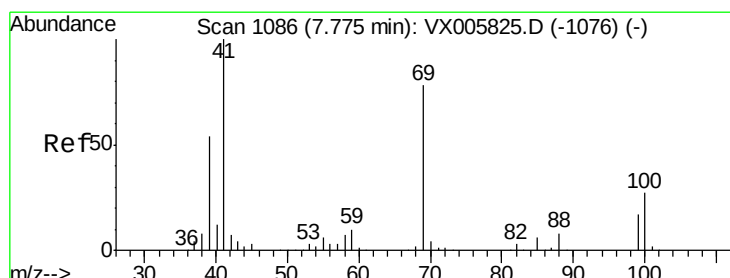
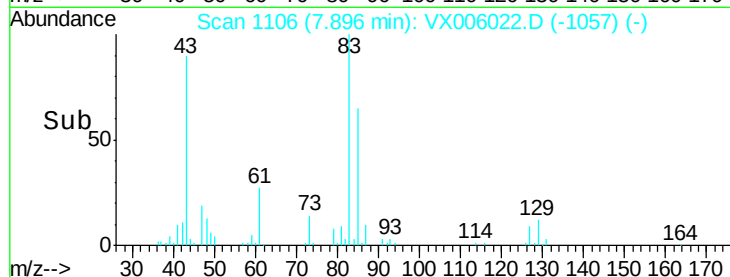
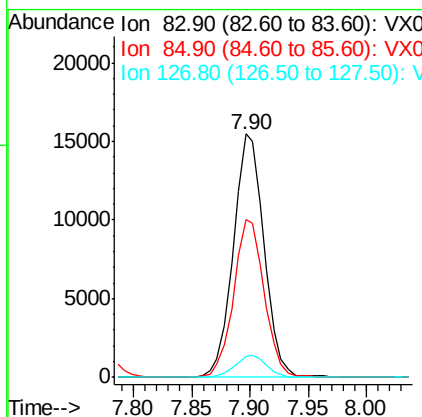
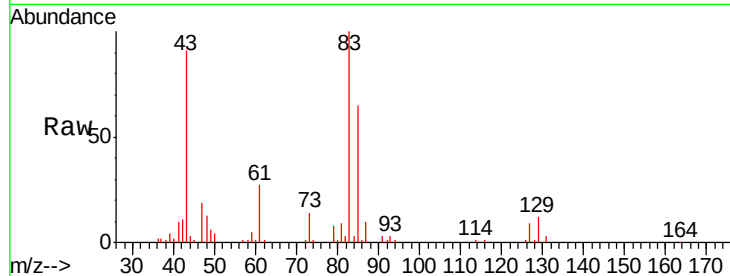
#47
Bromodichloromethane
Concen: 19.88 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.2	75.4
127	8.7	6.9	10.3

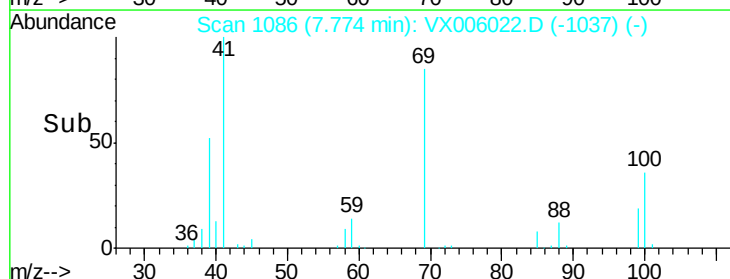
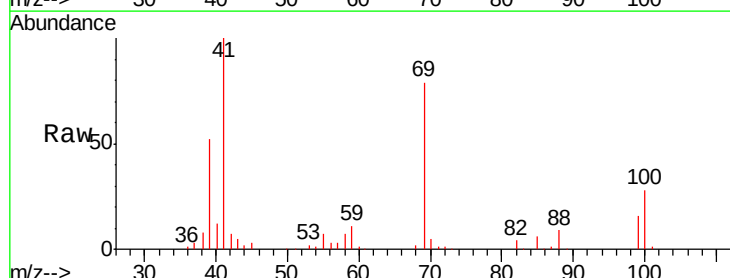
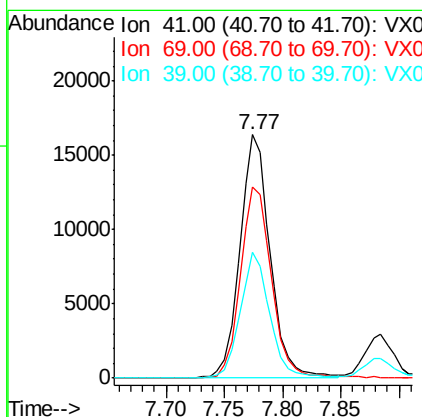
Manual Integrations
APPROVED

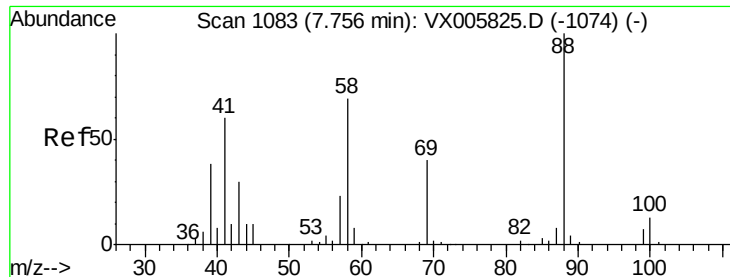
MMDadoda
11/16/2018 10:52:12 AM



#48
Methyl methacrylate
Concen: 20.36 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.3	63.2	94.8
39	50.4	42.2	63.2





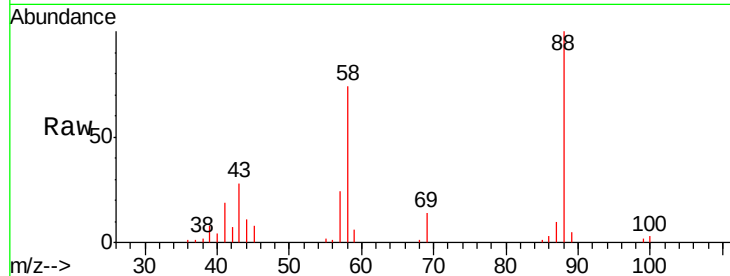
#49
1,4-Dioxane
Concen: 398.38 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

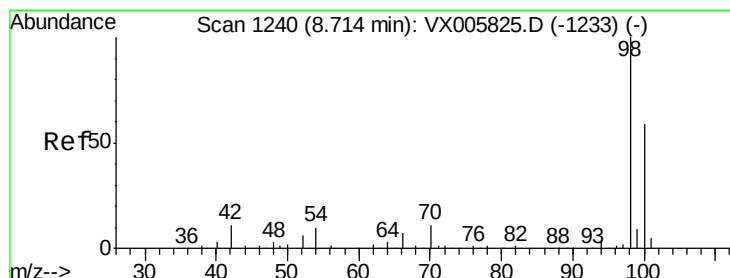
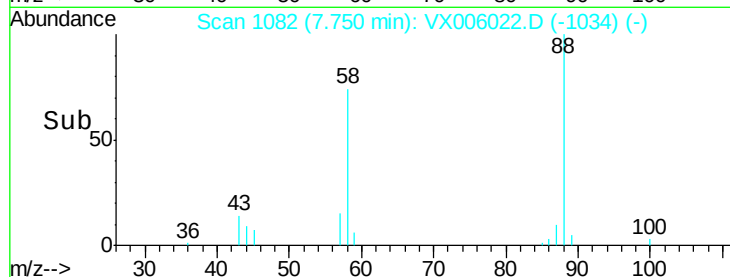
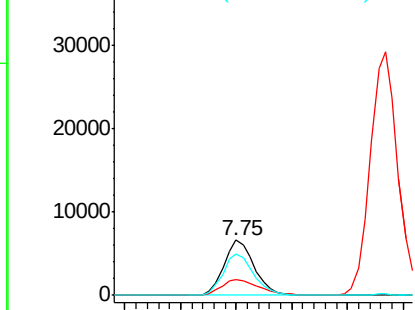
Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.3	27.4	41.0
58	76.1	59.4	89.2

Manual Integrations
APPROVED

MMDadoda
11/16/2018 10:52:12 AM

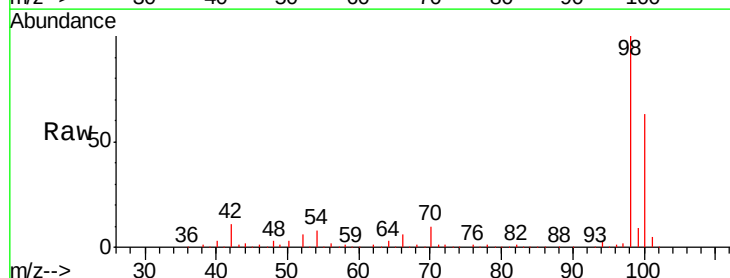


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

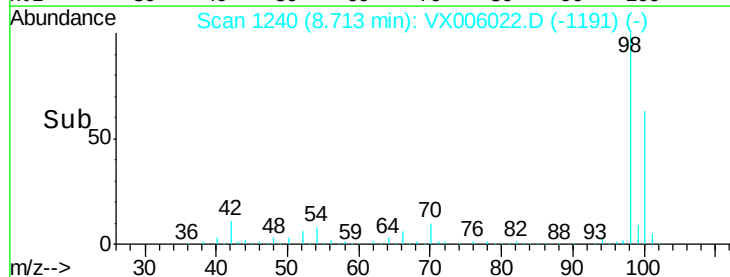
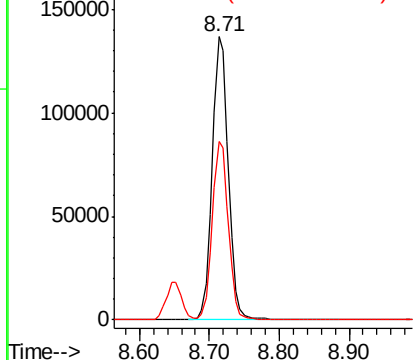


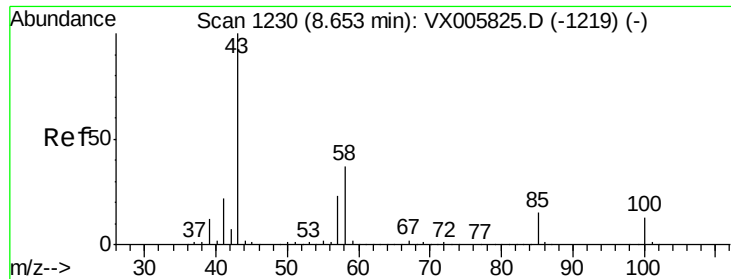
#50
Toluene-d8
Concen: 54.65 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.3	76.9



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





#51

4-Methyl-2-Pentanone

Concen: 101.06 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion: 43 Resp: 206407

Ion Ratio Lower Upper

43 100

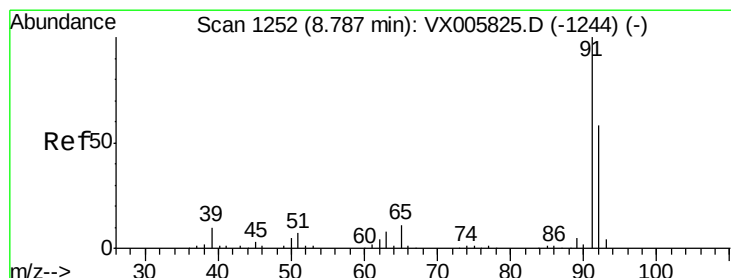
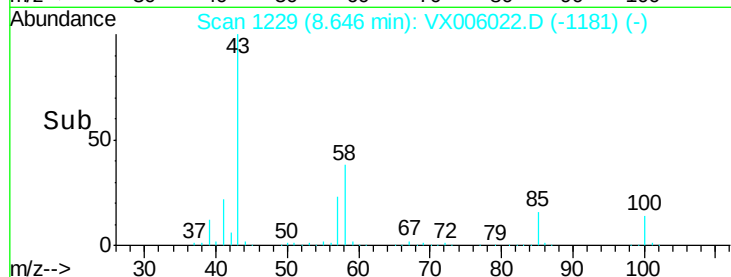
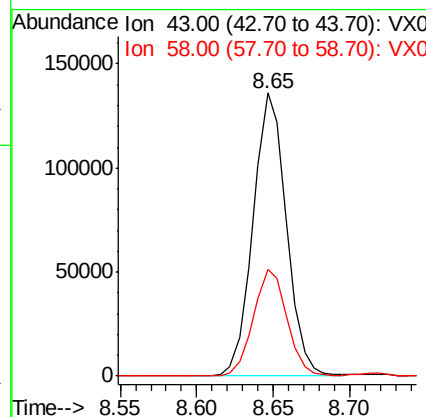
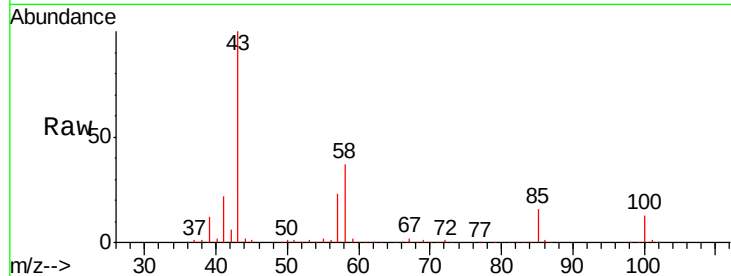
58 37.9 29.7 44.5

Manual Integrations

APPROVED

MMDadoda

11/16/2018 10:52:12 AM



#52

Toluene

Concen: 19.61 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006022.D

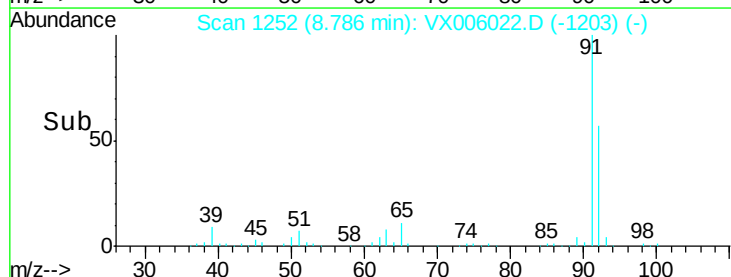
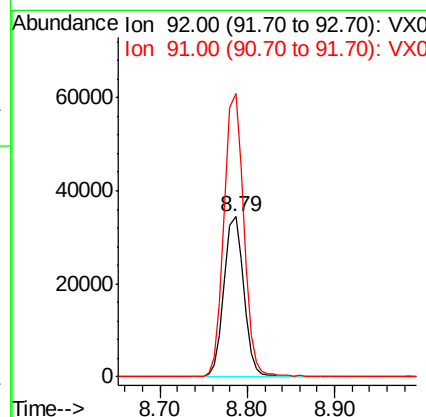
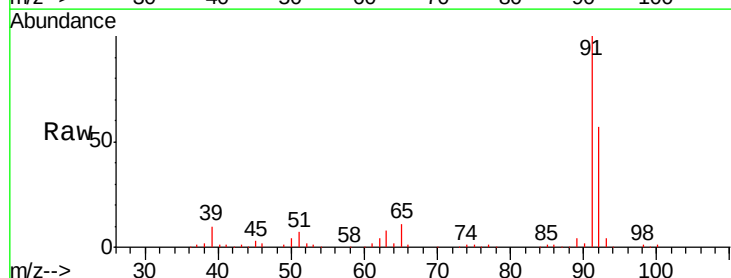
Acq: 15 Nov 2018 16:13

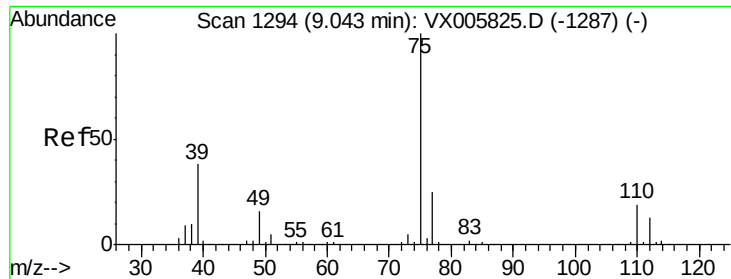
Tgt Ion: 92 Resp: 54341

Ion Ratio Lower Upper

92 100

91 176.0 140.4 210.6





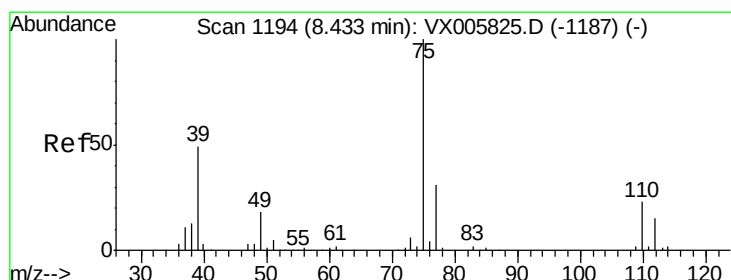
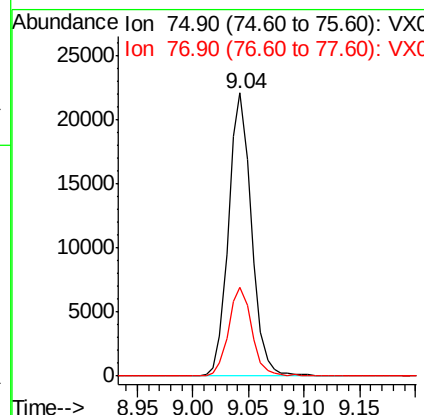
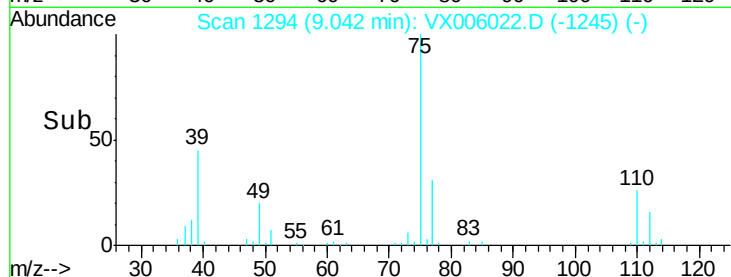
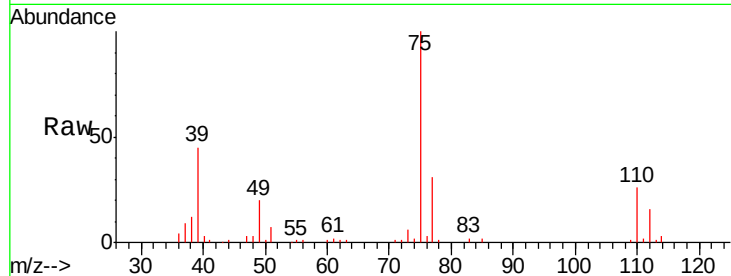
#53
 t-1,3-Dichloropropene
 Concen: 18.70 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBSD01

Tgt Ion: 75 Resp: 31488
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2

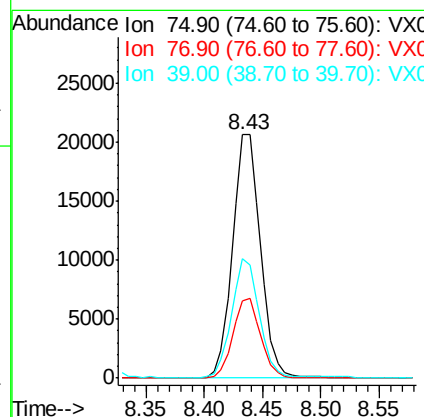
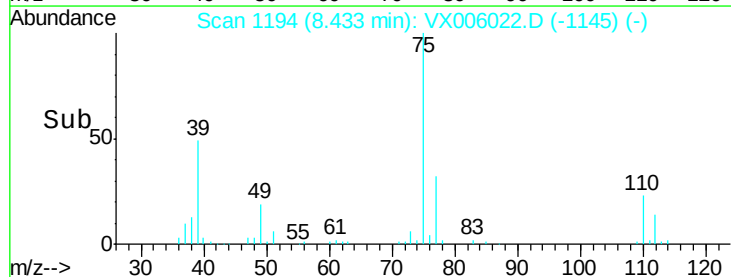
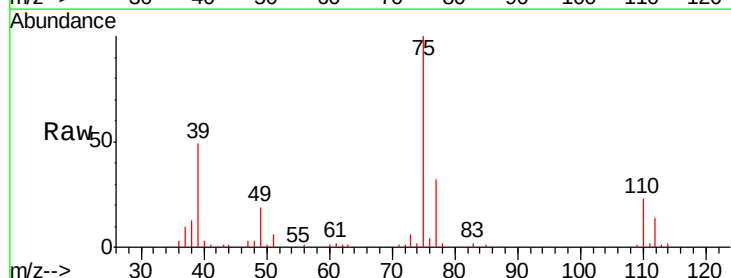
Manual Integrations
 APPROVED

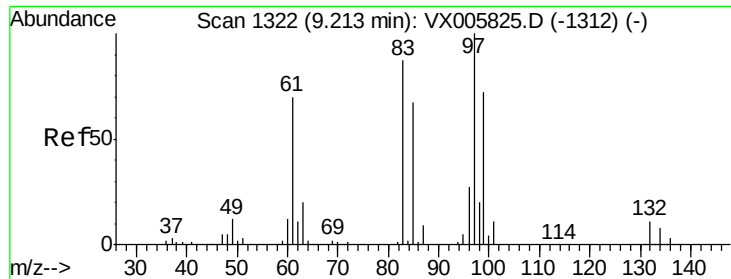
MMDadoda
 11/16/2018 10:52:12 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.12 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion: 75 Resp: 34531
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8
 39 49.2 38.2 57.2





#55

1,1,2-Trichloroethane

Concen: 18.45 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion: 97 Resp: 22780

Ion Ratio Lower Upper

97 100

83 89.0 70.7 106.1

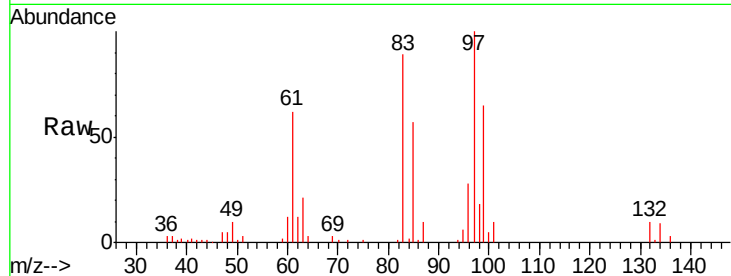
85 57.1 45.8 68.6

99 64.7 51.8 77.8

Manual Integrations
APPROVED

MMDadoda

11/16/2018 10:52:12 AM

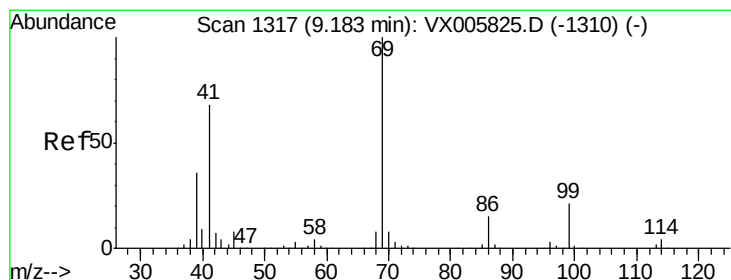
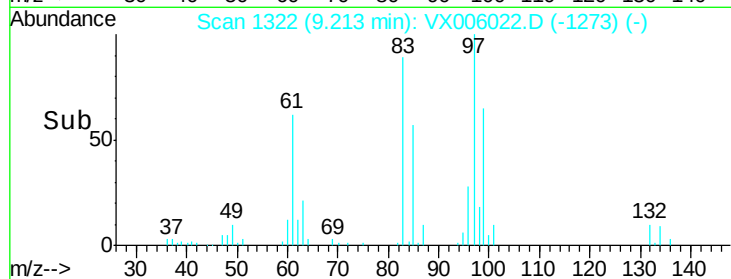
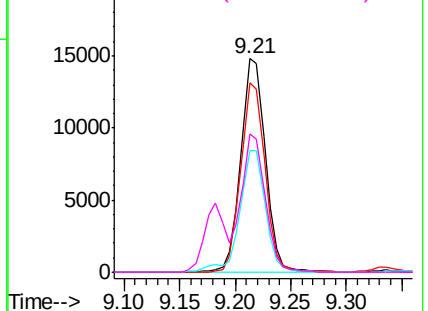


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 18.98 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Tgt Ion: 69 Resp: 35078

Ion Ratio Lower Upper

69 100

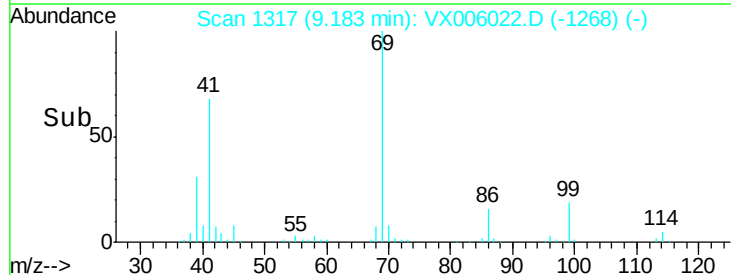
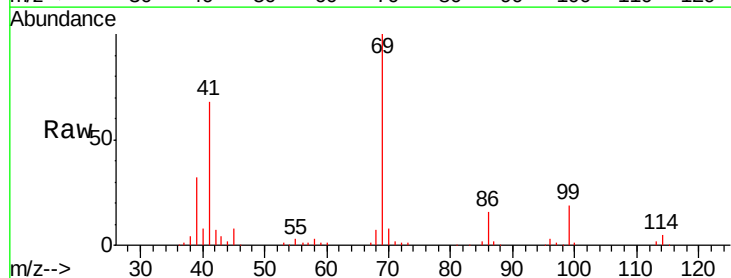
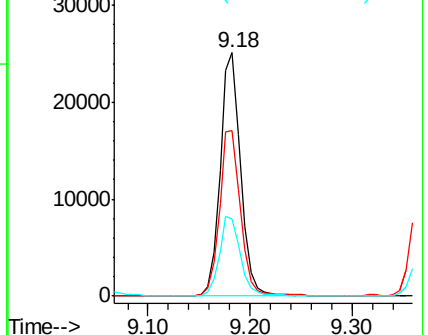
41 70.4 57.0 85.6

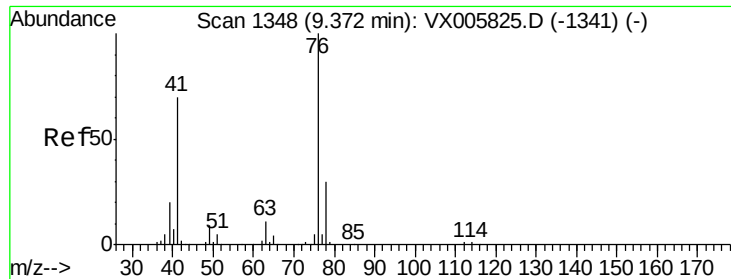
39 34.6 28.3 42.5

Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





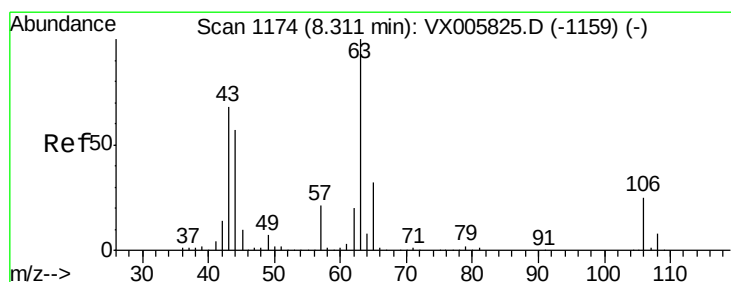
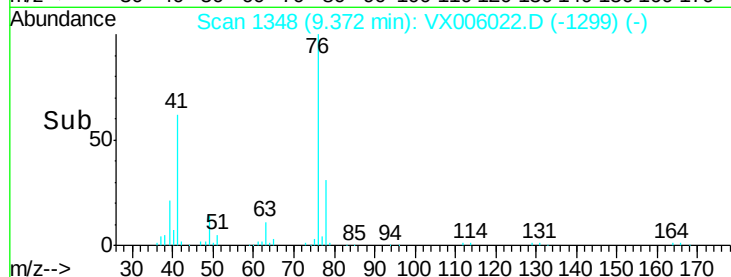
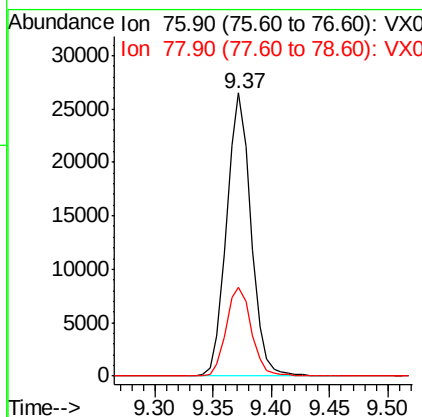
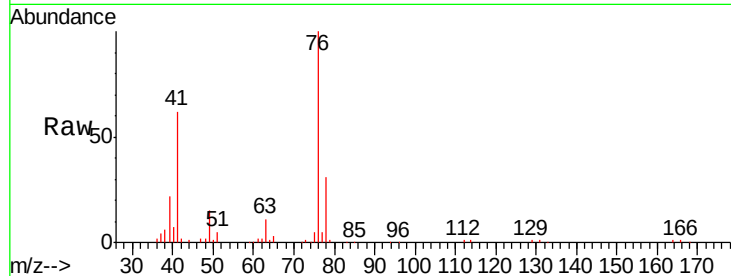
#57
 1,3-Dichloropropane
 Concen: 18.61 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBSD01

Tgt Ion: 76 Resp: 38627
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.3 37.9

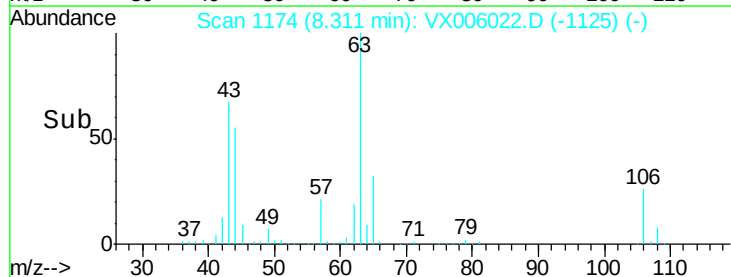
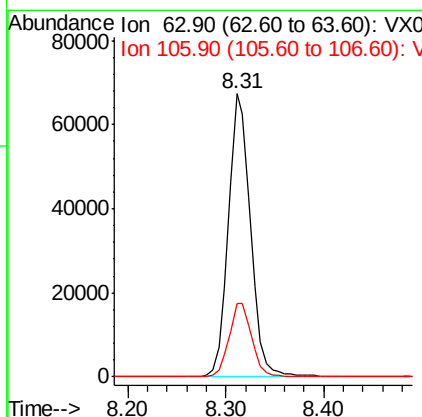
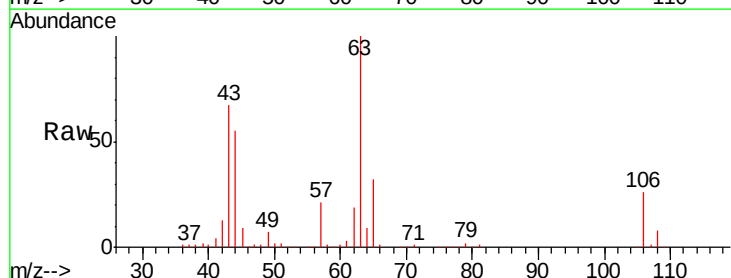
Manual Integrations
 APPROVED

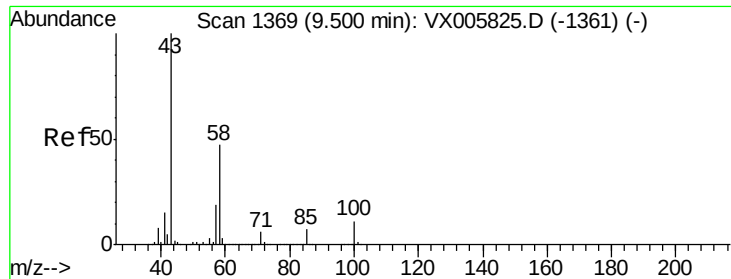
MMDadoda
 11/16/2018 10:52:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.75 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion: 63 Resp: 105675
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.3 31.9





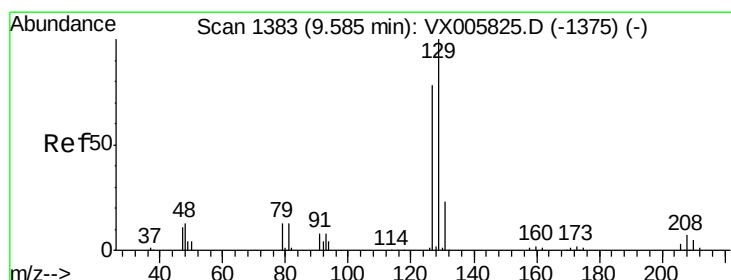
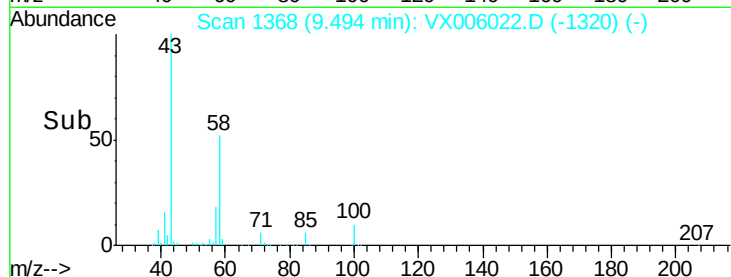
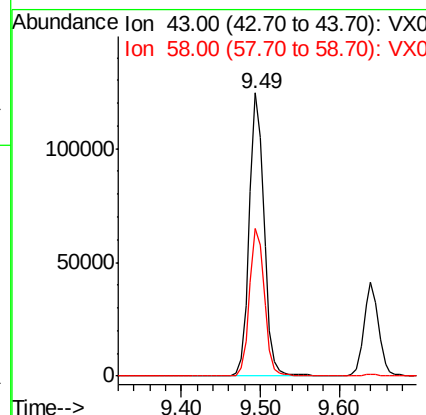
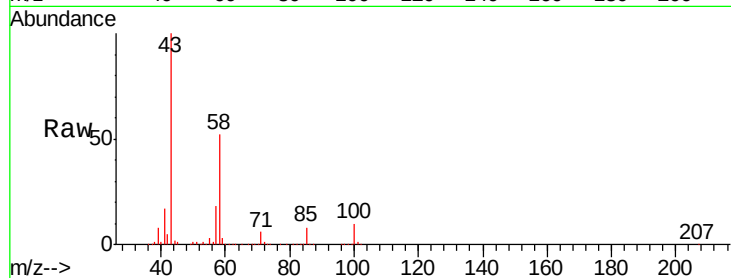
#59
2-Hexanone
Concen: 90.39 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion: 43 Resp: 162732
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.8

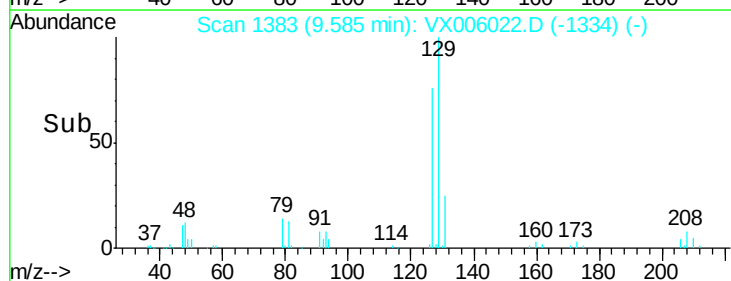
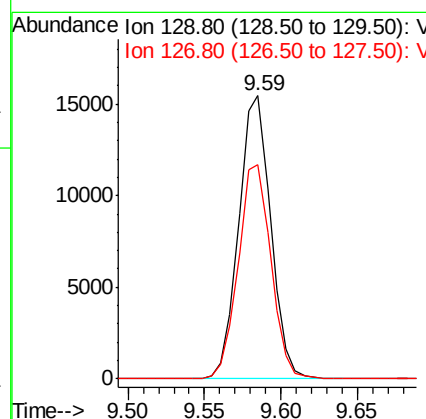
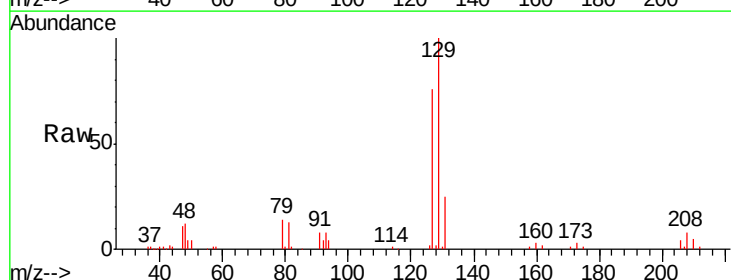
Manual Integrations
APPROVED

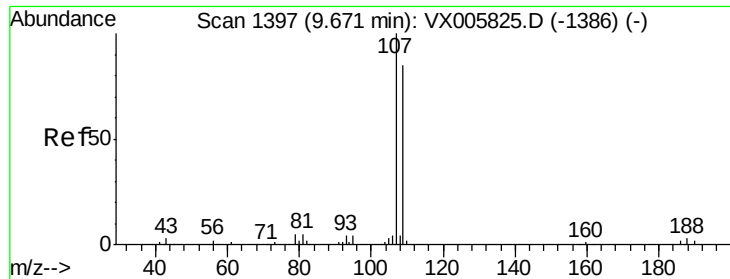
MMDadoda
11/16/2018 10:52:12 AM



#60
Dibromochloromethane
Concen: 16.79 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 129 Resp: 22411
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 17.28 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBS01

Tgt Ion: 107 Resp: 23604

Ion Ratio Lower Upper

107 100

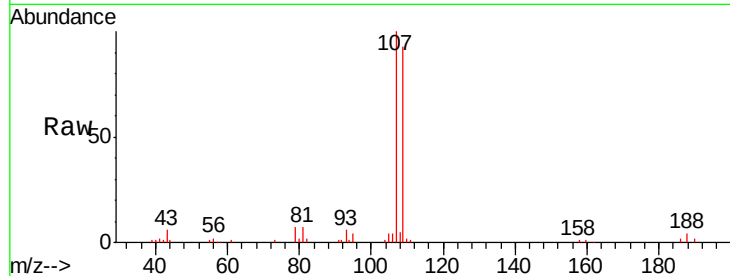
109 94.4 75.7 113.5

Manual Integrations

APPROVED

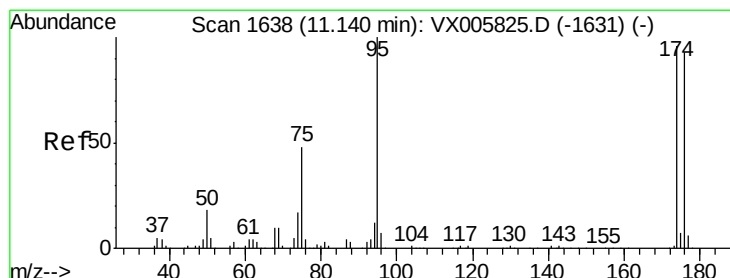
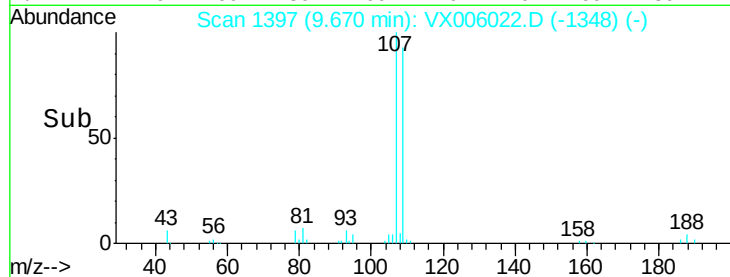
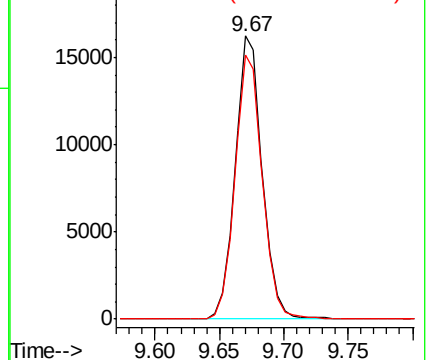
MMDadoda

11/16/2018 10:52:12 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.84 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

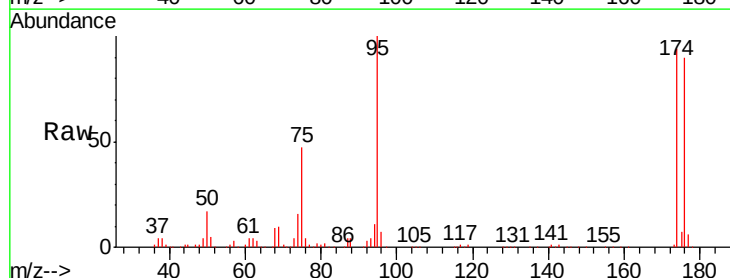
Tgt Ion: 95 Resp: 80087

Ion Ratio Lower Upper

95 100

174 89.8 0.0 184.4

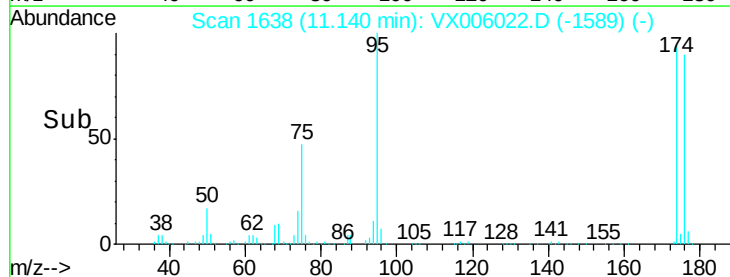
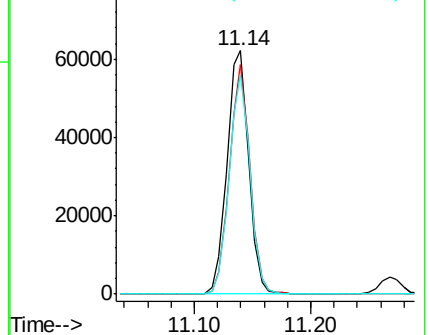
176 87.1 0.0 177.4

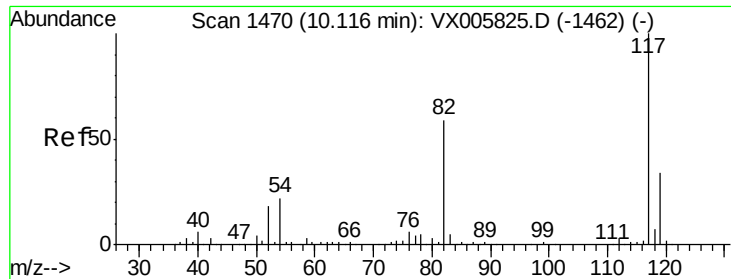


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





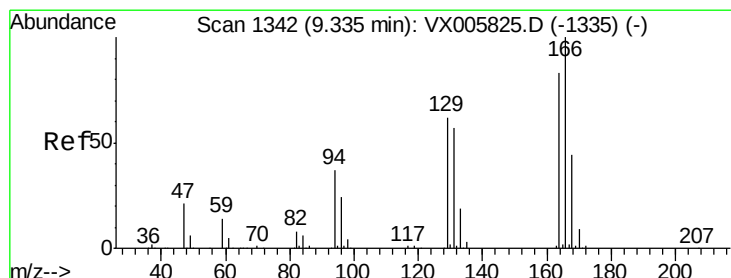
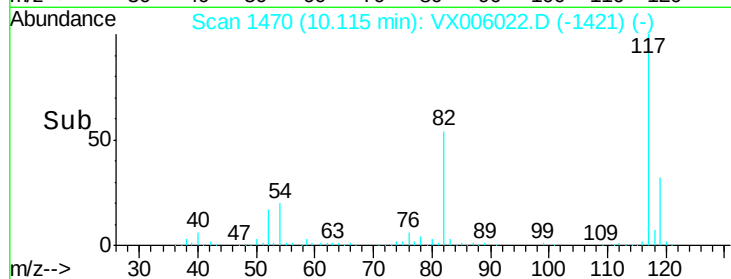
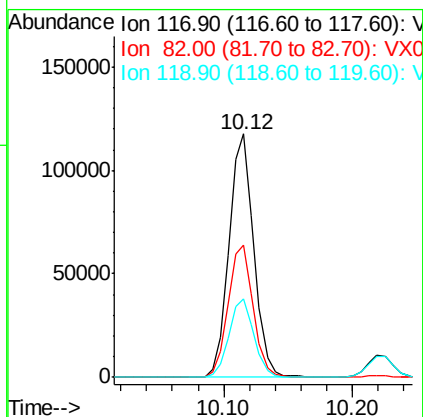
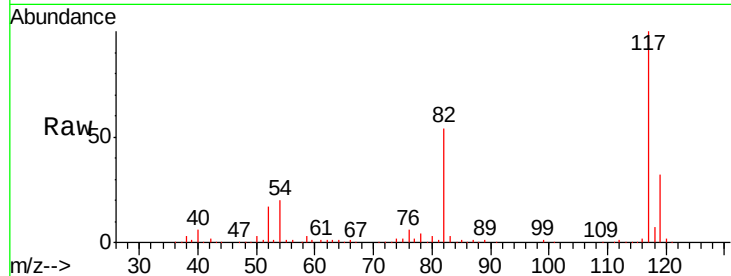
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	158705		
82	54.2	44.1	66.1	
119	32.4	26.2	39.2	

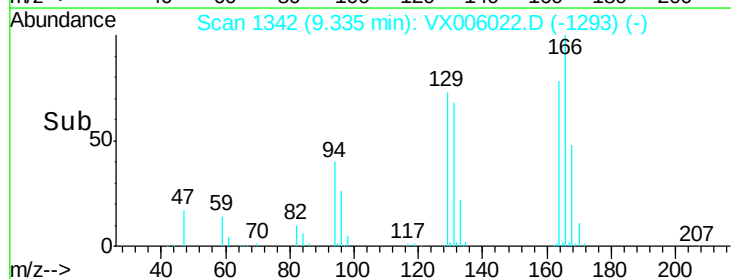
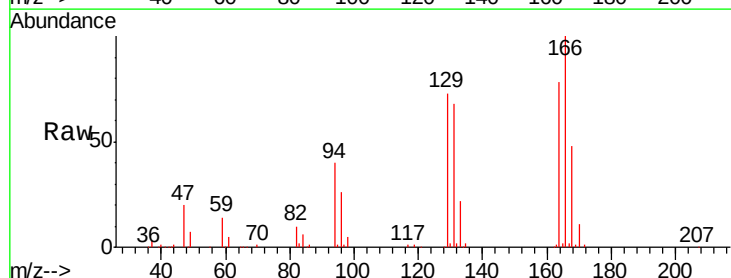
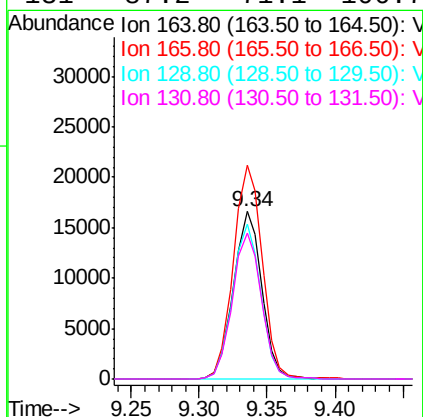
Manual Integrations
APPROVED

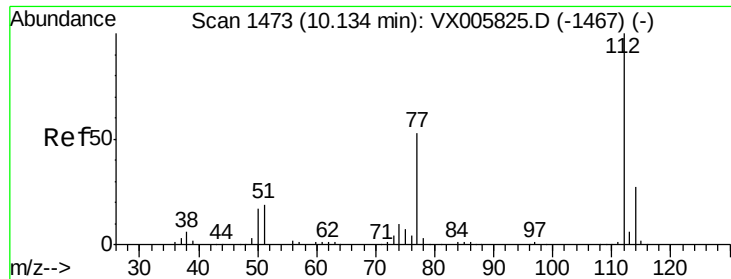
MMDadoda
11/16/2018 10:52:12 AM



#64
Tetrachloroethene
Concen: 17.91 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24204		
166	127.8	101.9	152.9	
129	92.8	72.6	109.0	
131	87.2	71.1	106.7	





#65

Chlorobenzene

Concen: 19.52 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion:112 Resp: 62058

Ion Ratio Lower Upper

112 100

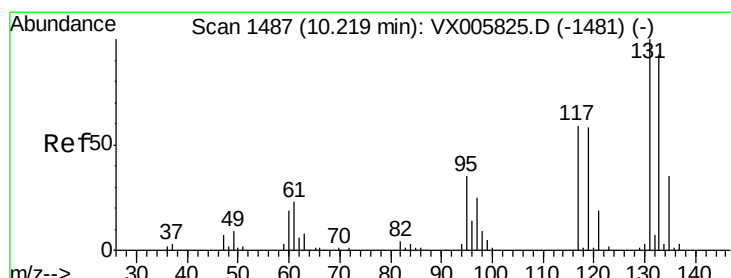
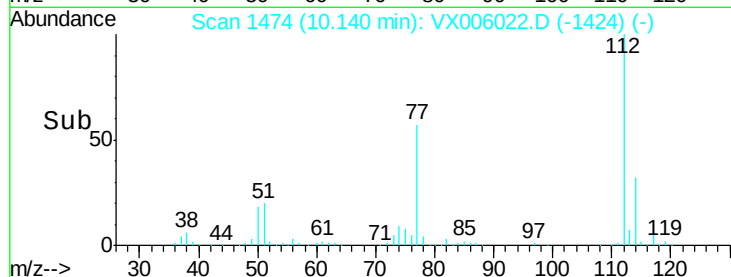
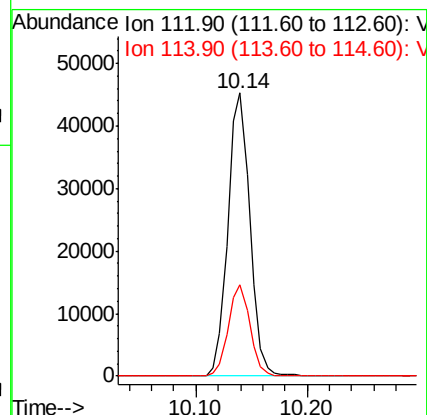
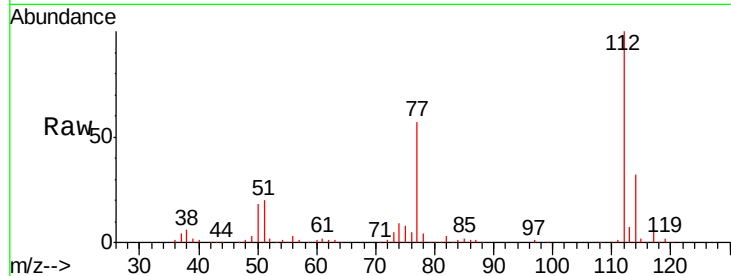
114 32.2 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

11/16/2018 10:52:12 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.95 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

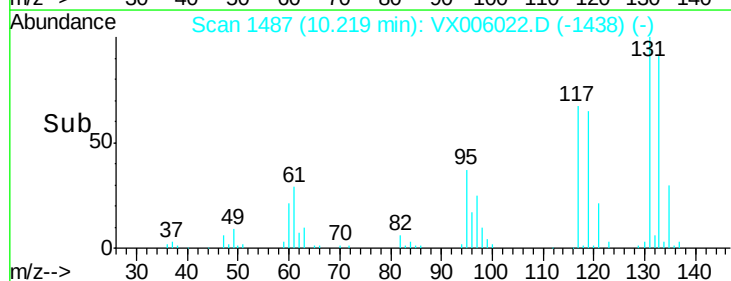
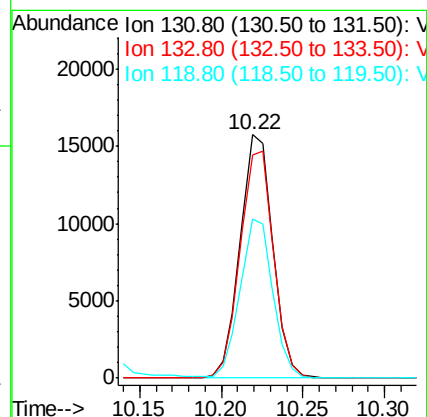
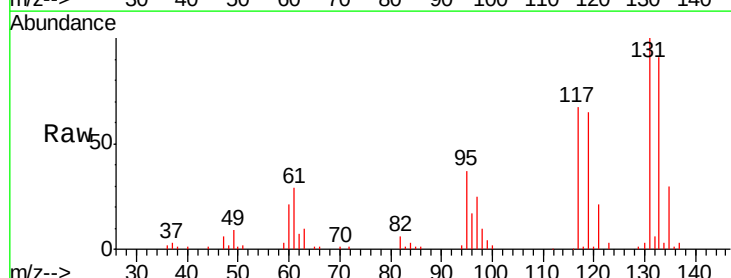
Tgt Ion:131 Resp: 22046

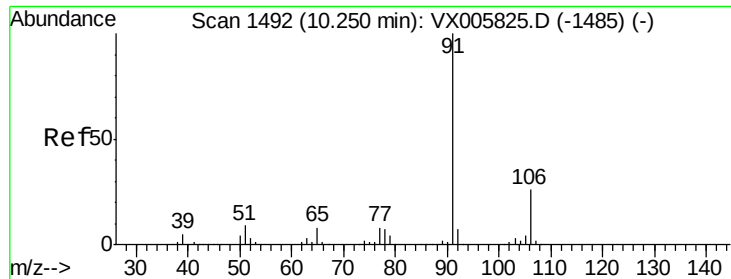
Ion Ratio Lower Upper

131 100

133 95.2 47.5 142.5

119 65.5 31.8 95.3





#67

Ethyl Benzene

Concen: 20.21 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion: 91 Resp: 103052

Ion Ratio Lower Upper

91 100

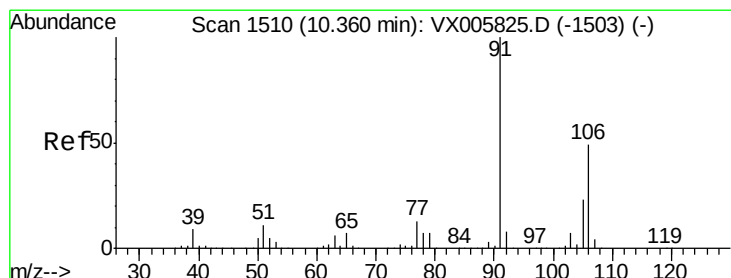
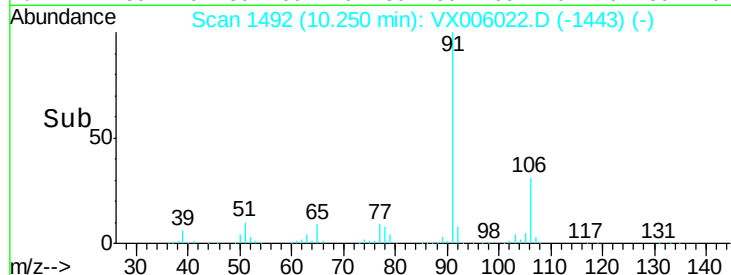
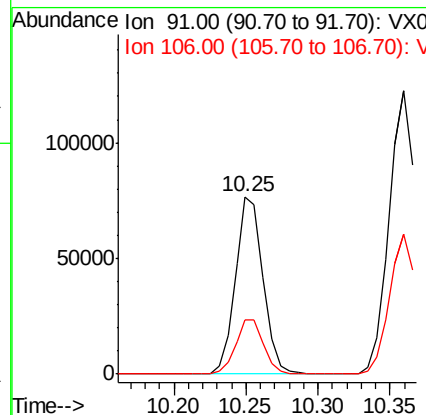
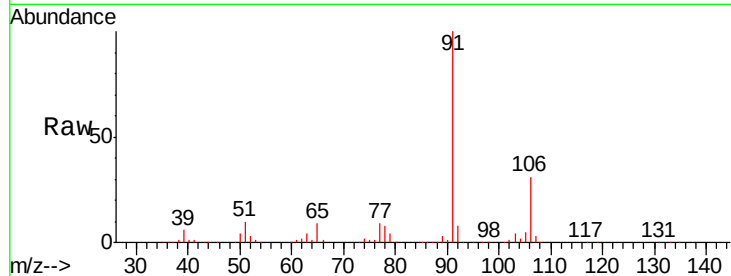
106 30.6 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

11/16/2018 10:52:12 AM



#68

m/p-Xylenes

Concen: 41.08 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006022.D

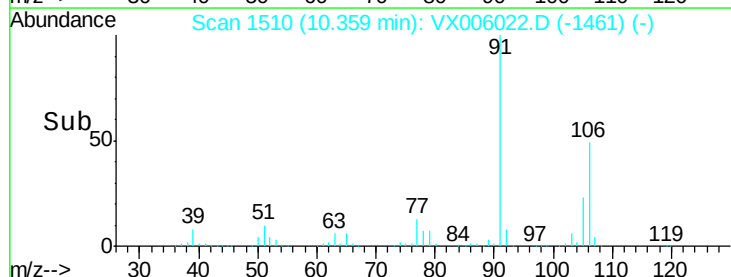
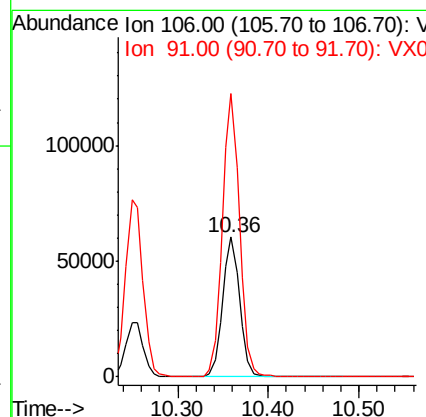
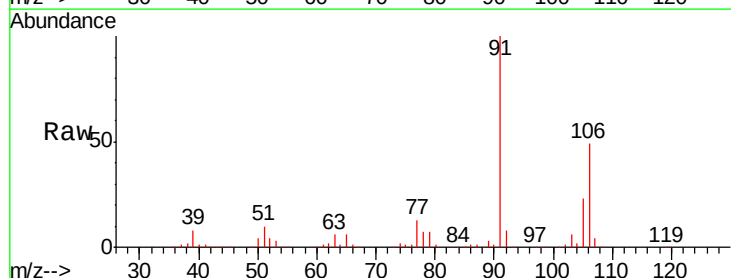
Acq: 15 Nov 2018 16:13

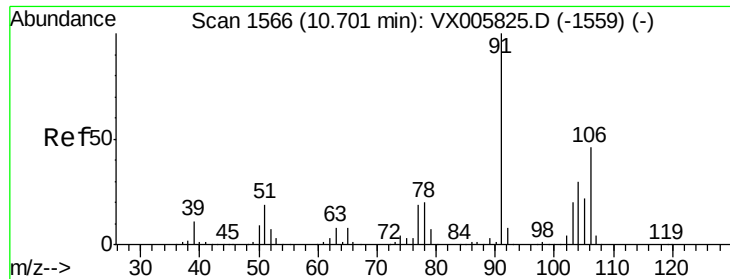
Tgt Ion: 106 Resp: 79885

Ion Ratio Lower Upper

106 100

91 202.7 164.2 246.4





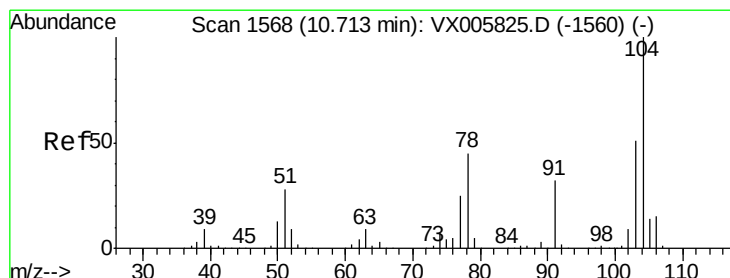
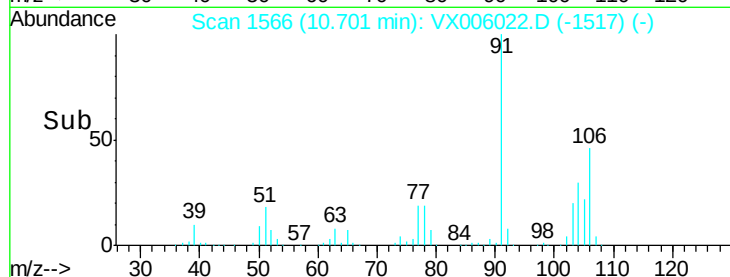
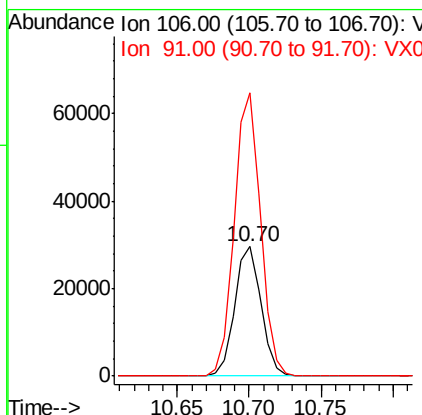
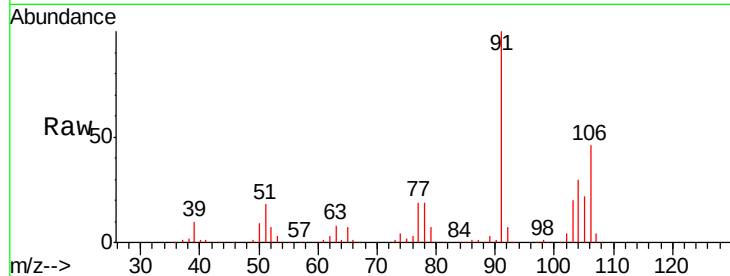
#69
o-Xylene
Concen: 21.76 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion:106 Resp: 37939
Ion Ratio Lower Upper
106 100
91 218.7 108.5 325.5

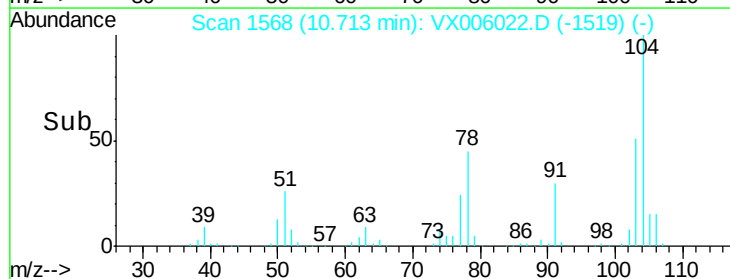
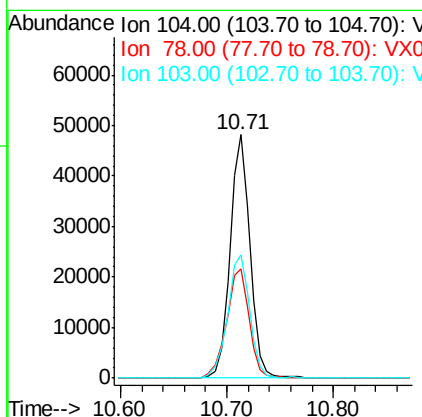
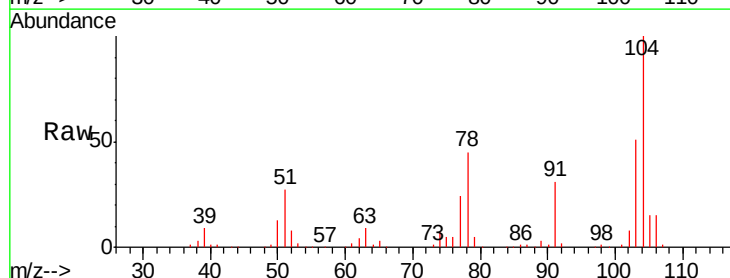
Manual Integrations
APPROVED

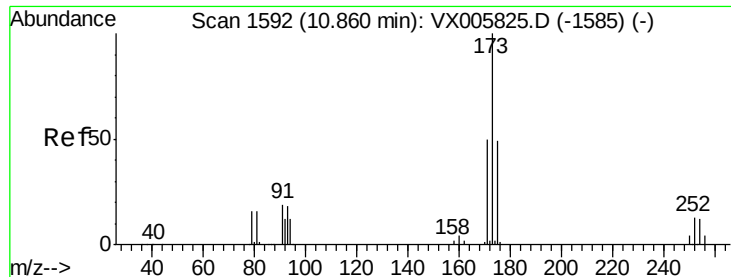
MMDadoda
11/16/2018 10:52:12 AM



#70
Styrene
Concen: 22.02 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion:104 Resp: 63347
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.4
103 56.3 44.9 67.3





#71

Bromoform

Concen: 19.77 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion:173 Resp: 18320

Ion Ratio Lower Upper

173 100

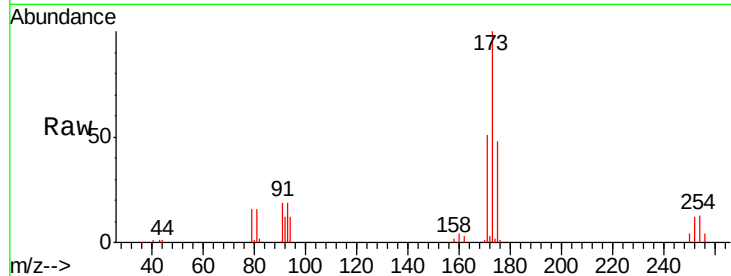
175 47.6 24.8 74.3

254 0.0 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda

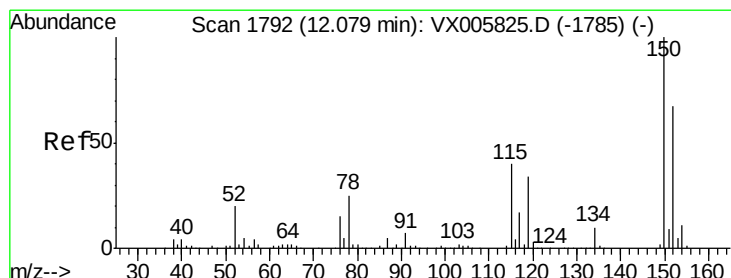
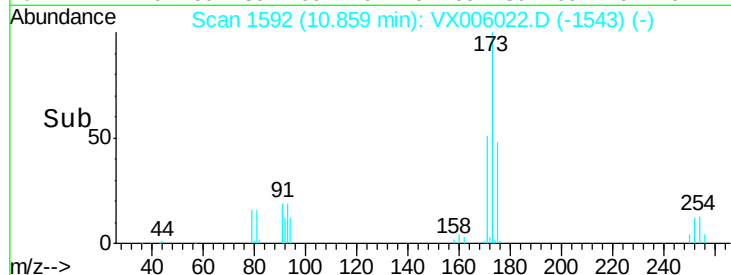
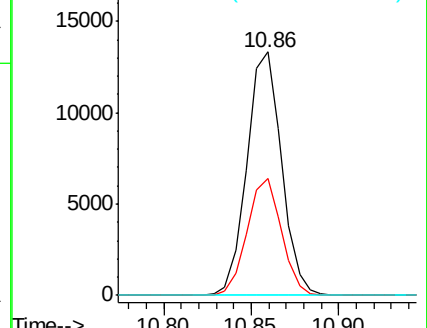
11/16/2018 10:52:12 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

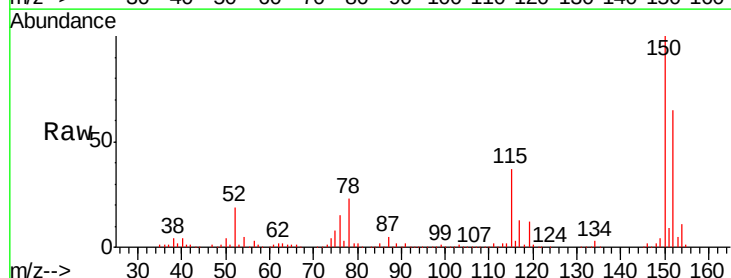
Tgt Ion:152 Resp: 85104

Ion Ratio Lower Upper

152 100

115 65.1 39.4 118.1

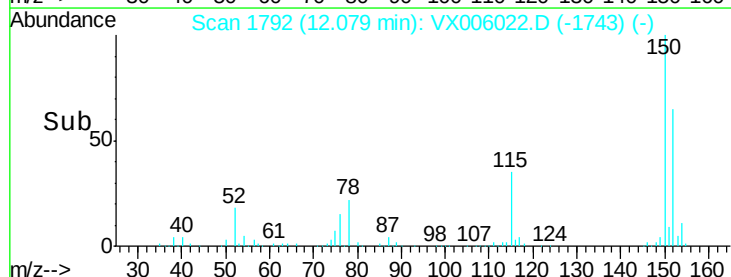
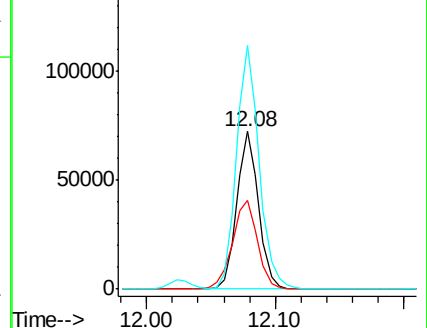
150 162.3 0.0 346.4

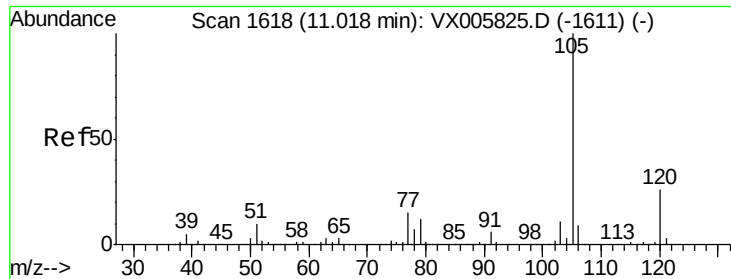


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.55 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion: 105 Resp: 106057

Ion Ratio Lower Upper

105 100

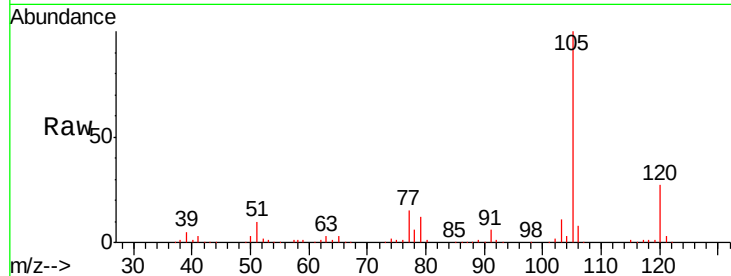
120 26.7 13.1 39.3

Manual Integrations

APPROVED

MMDadoda

11/16/2018 10:52:12 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

80000

60000

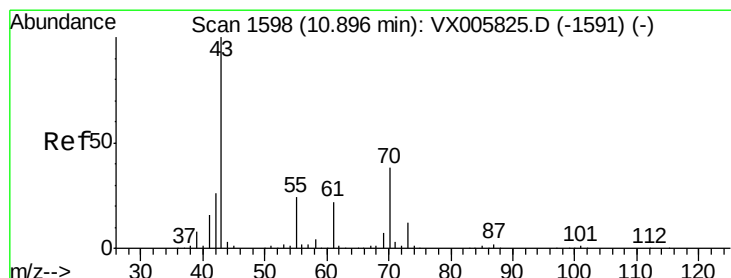
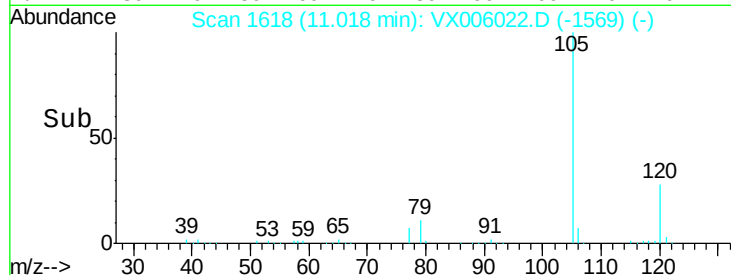
40000

20000

0

11.00 11.10

Time-->



#74

N-ethyl acetate

Concen: 19.38 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Tgt Ion: 43 Resp: 51356

Ion Ratio Lower Upper

43 100

70 40.0 31.6 47.4

55 25.0 19.7 29.5

61 23.0 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

60000

50000

40000

30000

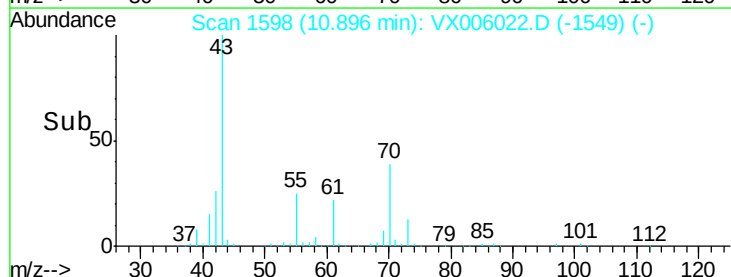
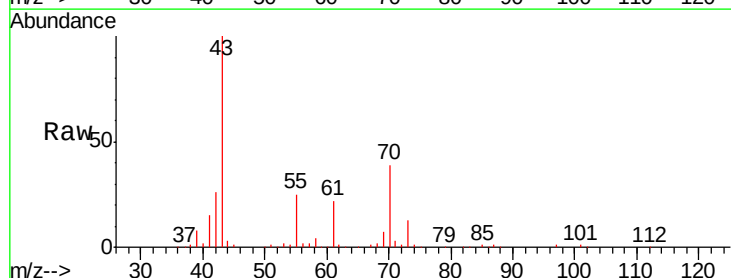
20000

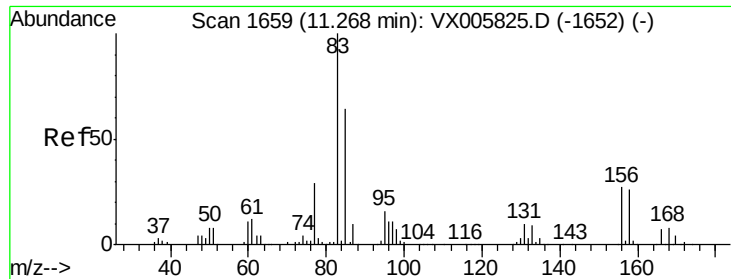
10000

0

10.80 10.90 11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.89 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

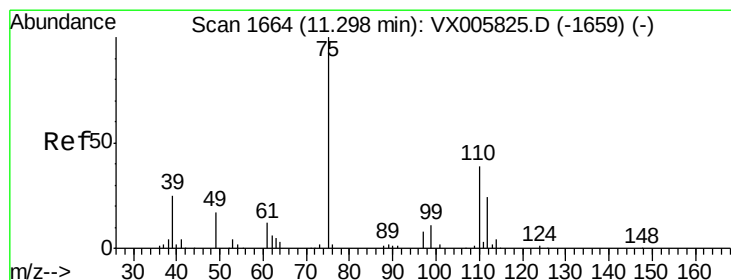
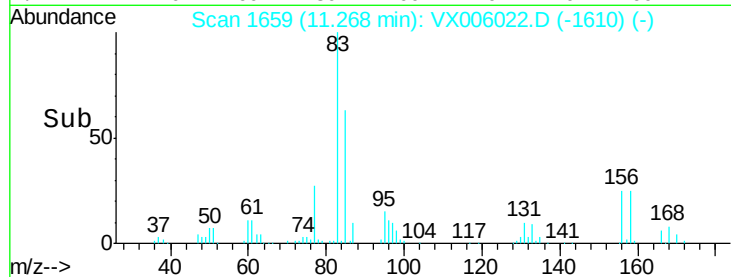
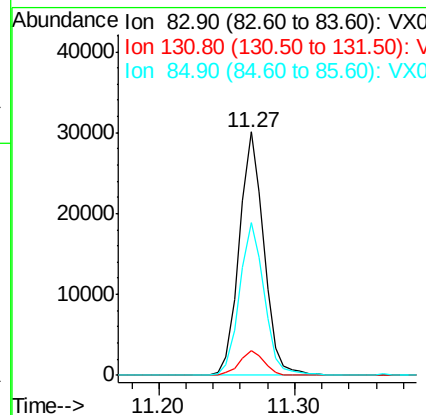
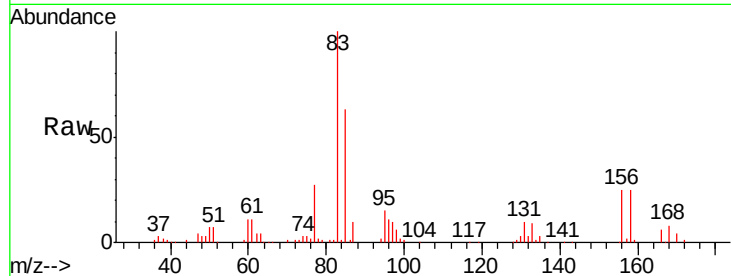
ClientSampleId :

VX1115MBSD01

Tgt Ion:	83	Resp:	37741
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.3	15.9
85	63.1	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
11/16/2018 10:52:12 AM



#76

1,2,3-Trichloropropane

Concen: 21.12 ug/l m

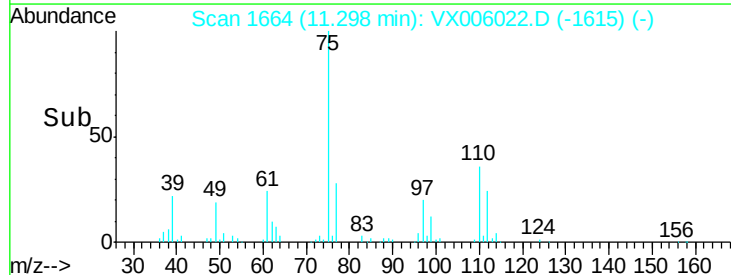
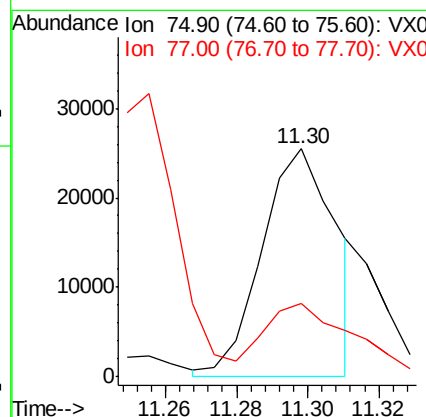
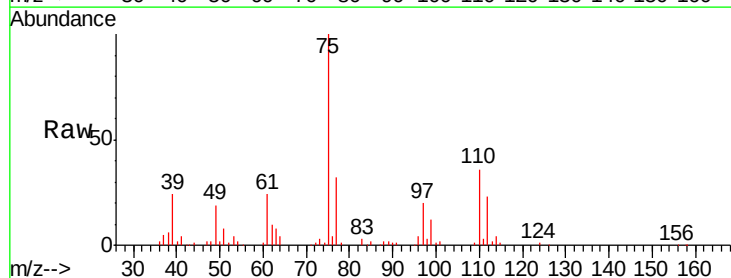
RT: 11.30 min Scan# 1664

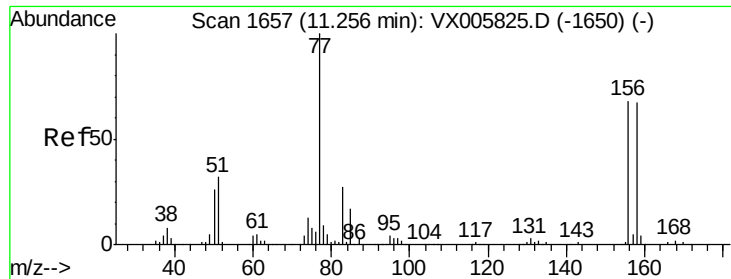
Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Tgt Ion:	75	Resp:	36603
Ion	Ratio	Lower	Upper
75	100		
77	38.9	20.5	61.6





#77

Bromobenzene

Concen: 20.16 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion:156 Resp: 27970

Ion Ratio Lower Upper

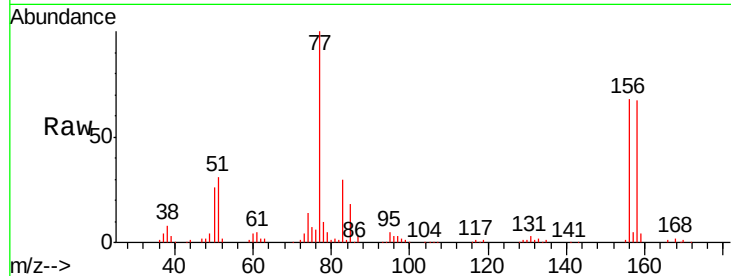
156 100

77 151.7 74.8 224.4

158 97.8 49.1 147.3

Manual Integrations
APPROVED

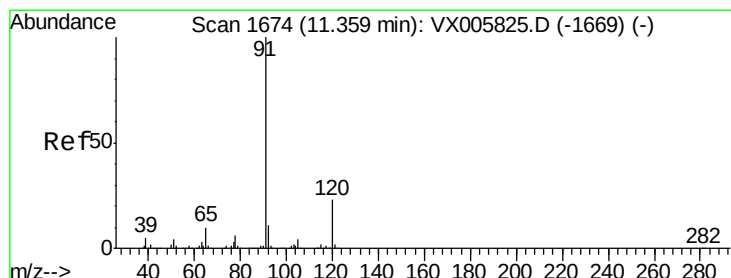
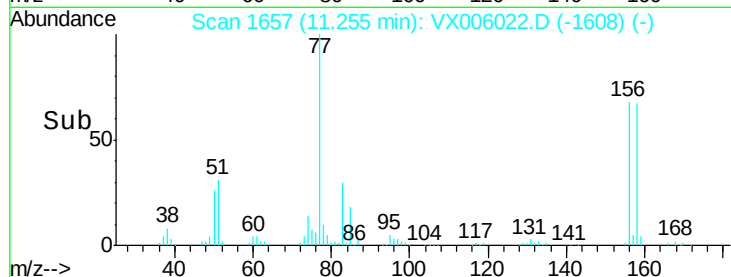
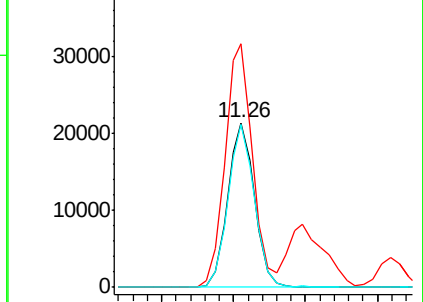
MMDadoda
11/16/2018 10:52:12 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.92 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006022.D

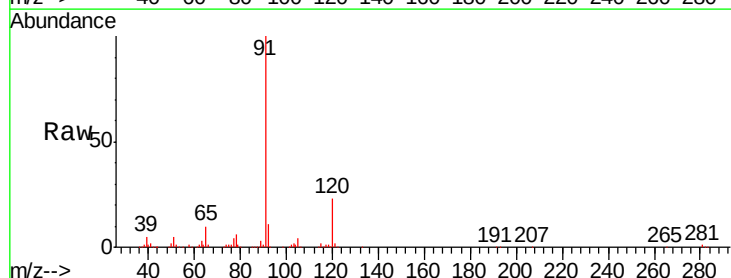
Acq: 15 Nov 2018 16:13

Tgt Ion: 91 Resp: 121312

Ion Ratio Lower Upper

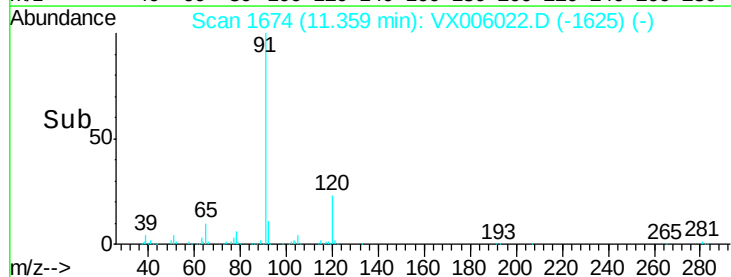
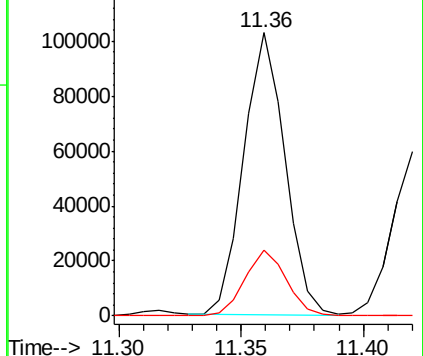
91 100

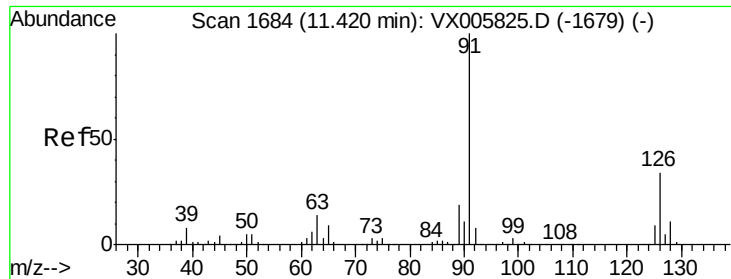
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.97 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

VX1115MBSD01

Tgt Ion: 91 Resp: 73513

Ion Ratio Lower Upper

91 100

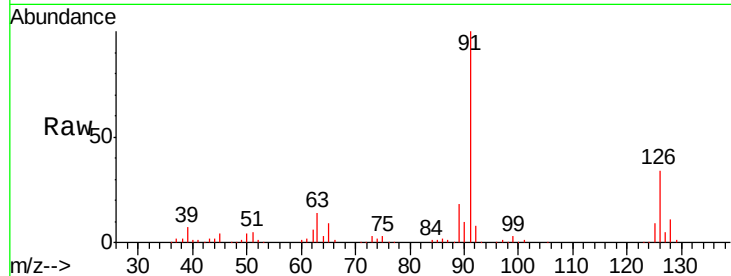
126 34.7 17.3 52.0

Manual Integrations

APPROVED

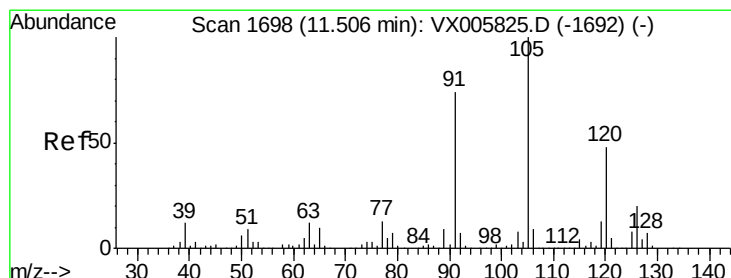
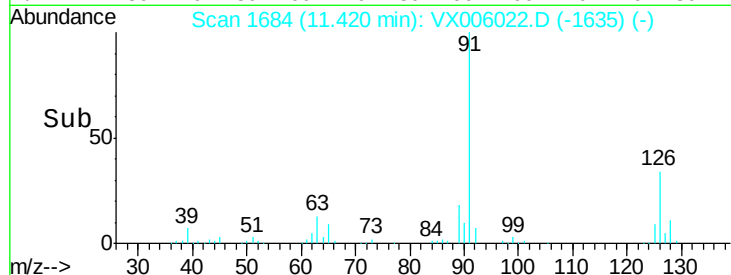
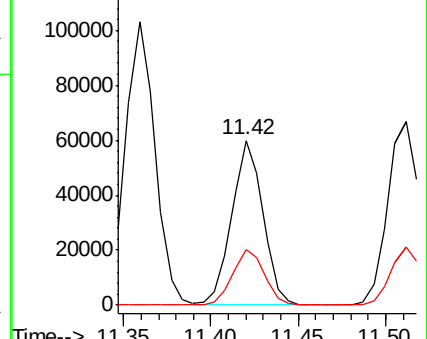
MMDadoda

11/16/2018 10:52:12 AM



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005825.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.12 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006022.D

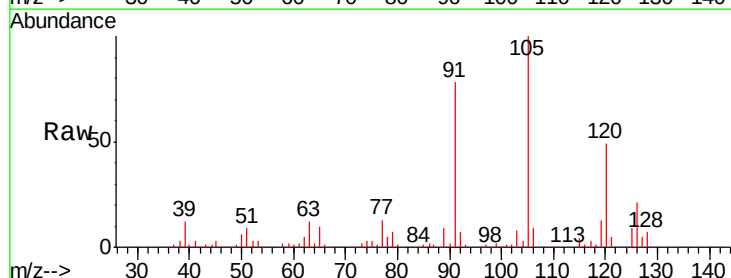
Acq: 15 Nov 2018 16:13

Tgt Ion: 105 Resp: 88313

Ion Ratio Lower Upper

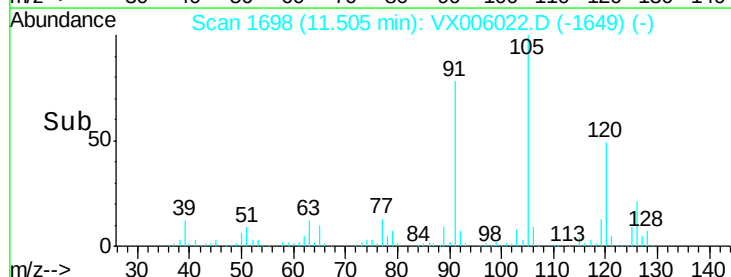
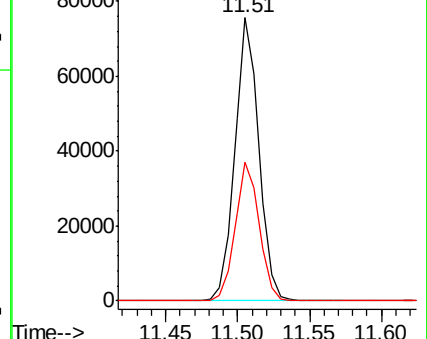
105 100

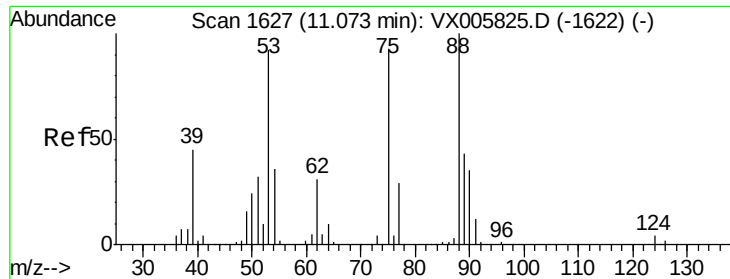
120 49.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.08 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

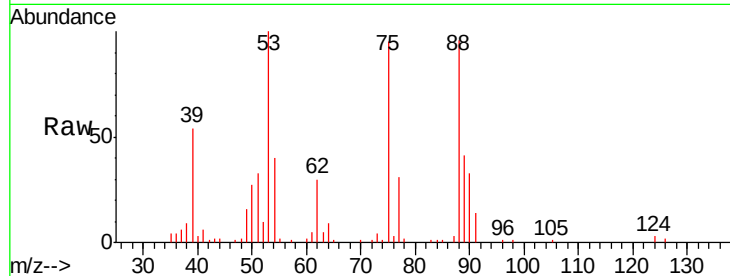
ClientSampleId :

VX1115MBSD01

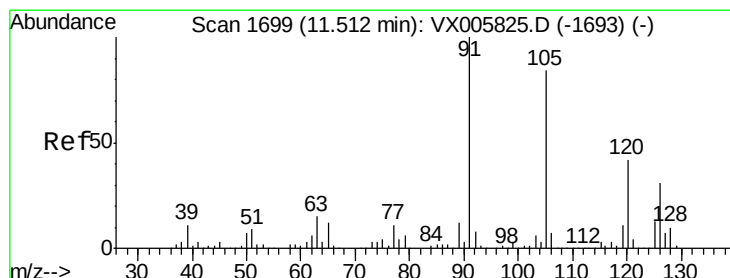
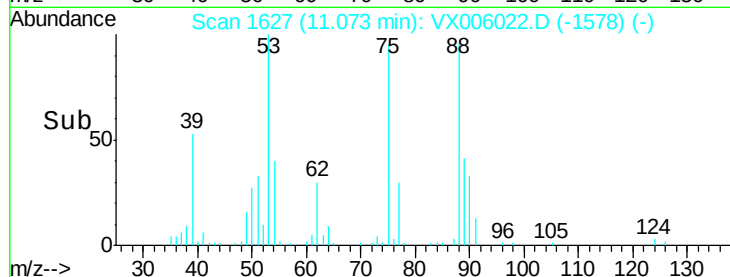
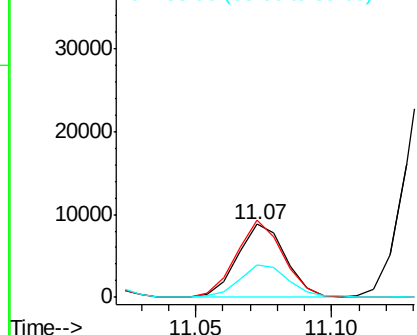
Tgt Ion:	75	Resp:	10919
Ion	Ratio	Lower	Upper
75	100		
53	102.9	80.2	120.2
89	45.4	39.8	59.8

Manual Integrations
APPROVED

MMDadoda
11/16/2018 10:52:12 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.75 ug/l

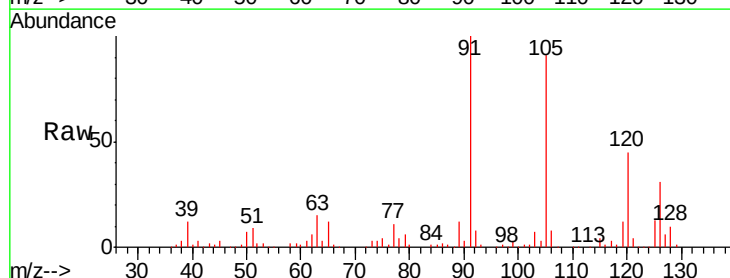
RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

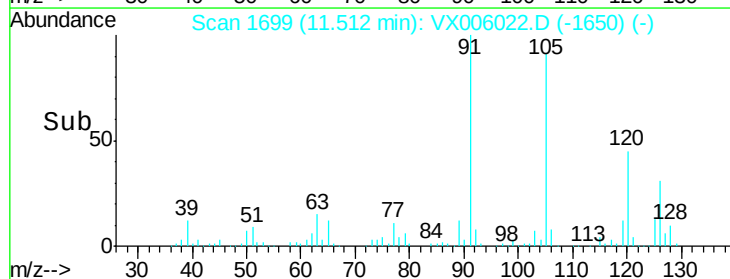
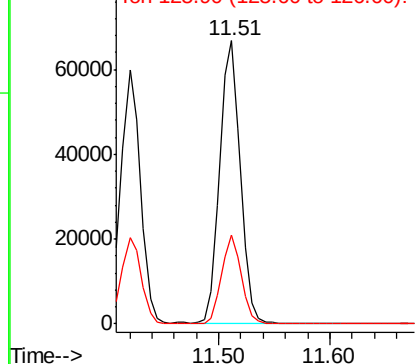
Lab File: VX006022.D

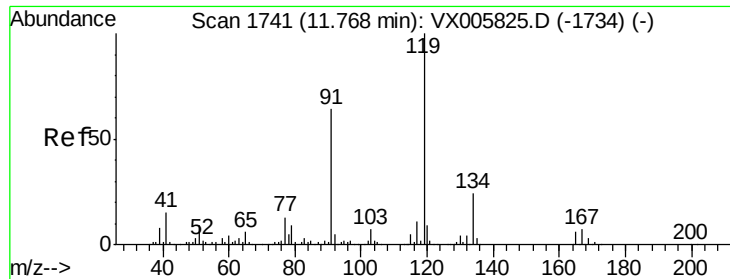
Acq: 15 Nov 2018 16:13

Tgt Ion:	91	Resp:	85749
Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.2	45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





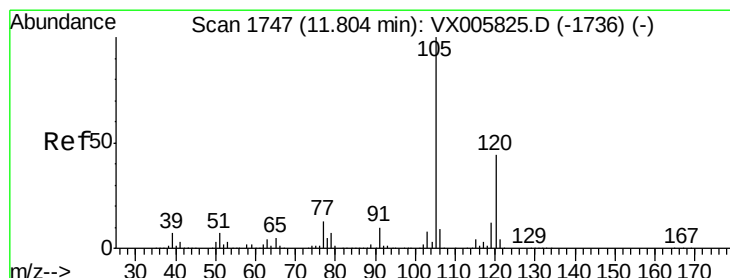
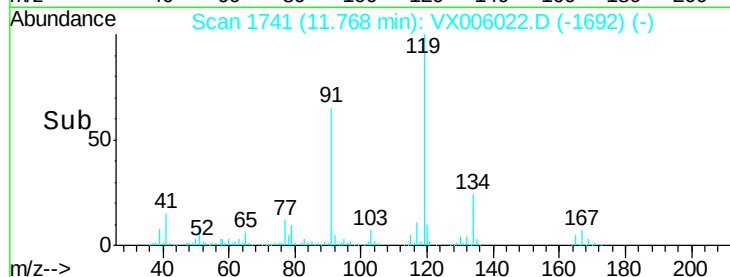
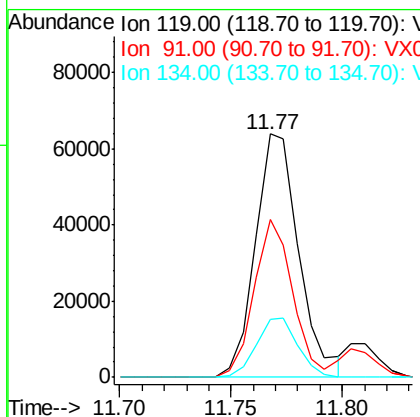
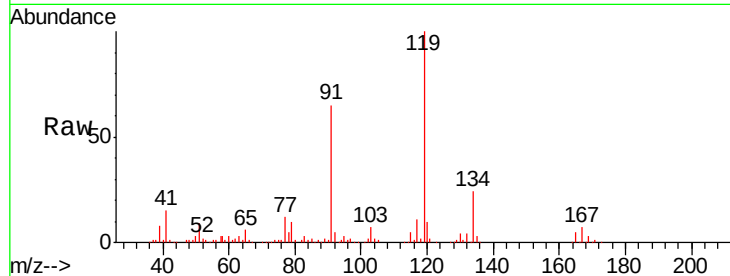
#83
 tert-Butylbenzene
 Concen: 20.54 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	86911		
91	58.0	28.5	85.5	
134	23.3	11.3	33.8	

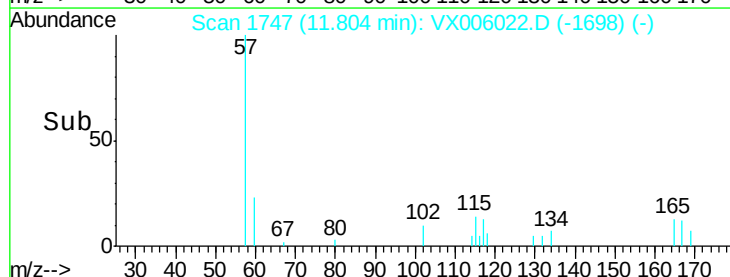
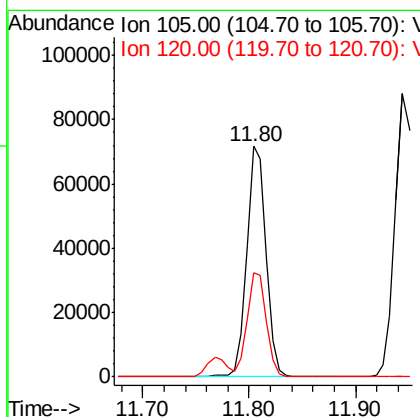
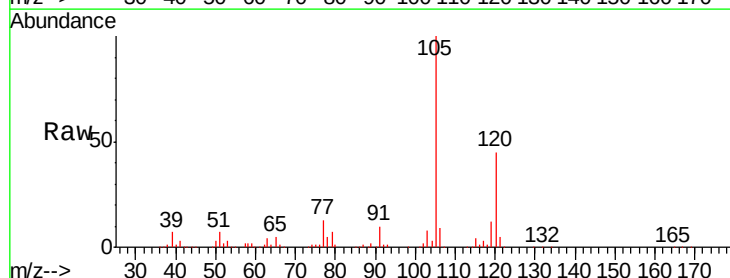
Manual Integrations
 APPROVED

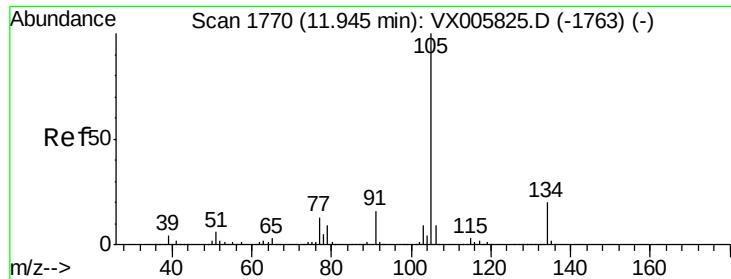
MMDadoda
 11/16/2018 10:52:12 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.67 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	91137		
120	44.9	22.4	67.0	





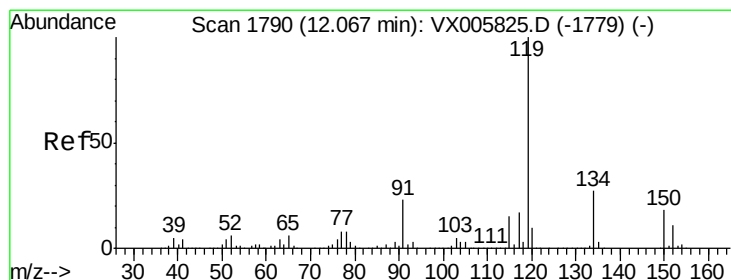
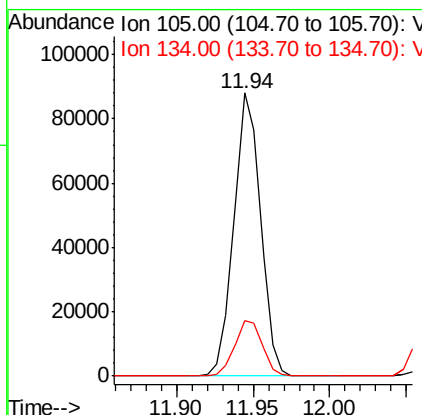
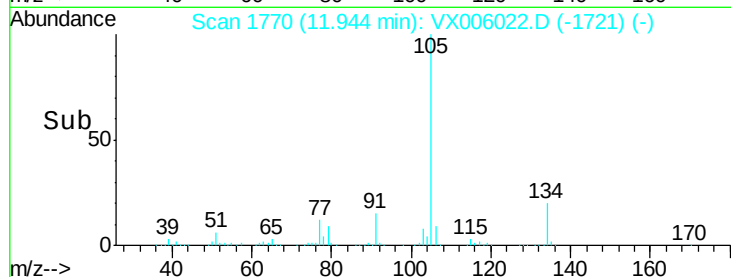
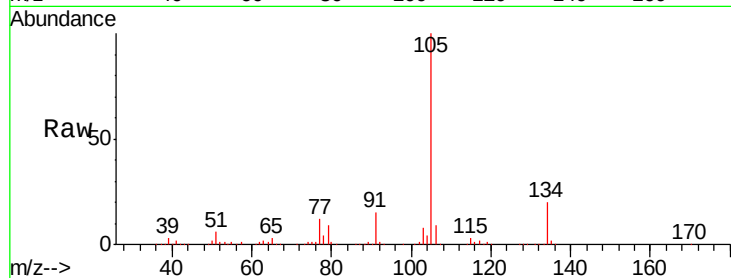
#85
 sec-Butylbenzene
 Concen: 20.61 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.4

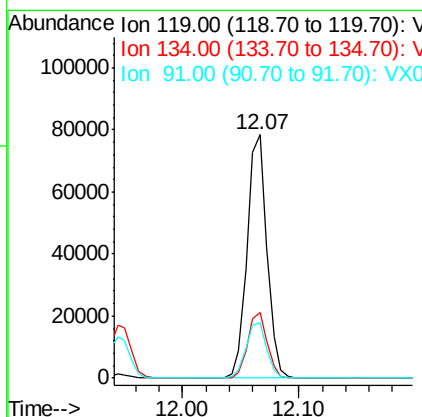
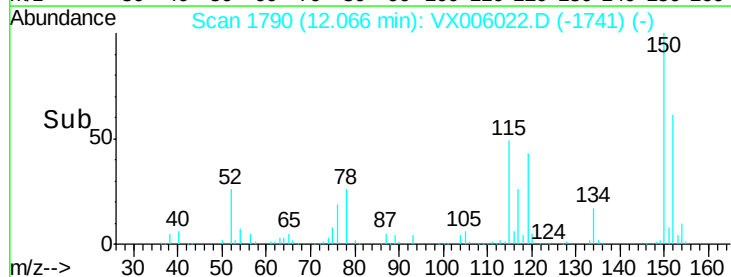
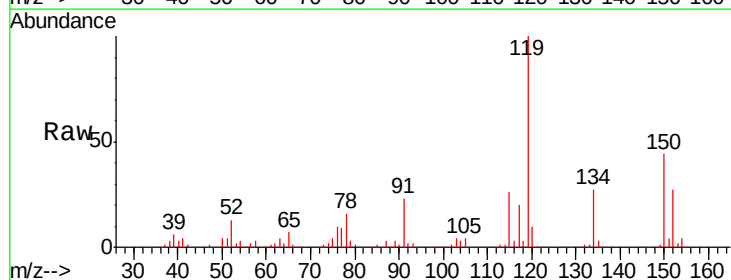
Manual Integrations
 APPROVED

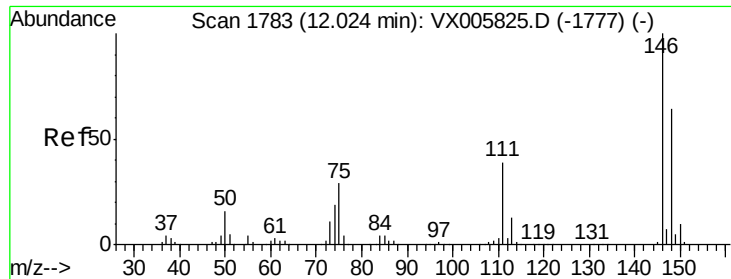
MMDadoda
 11/16/2018 10:52:12 AM



#86
 p-Isopropyltoluene
 Concen: 20.46 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.0	39.0
91	23.6	11.4	34.2





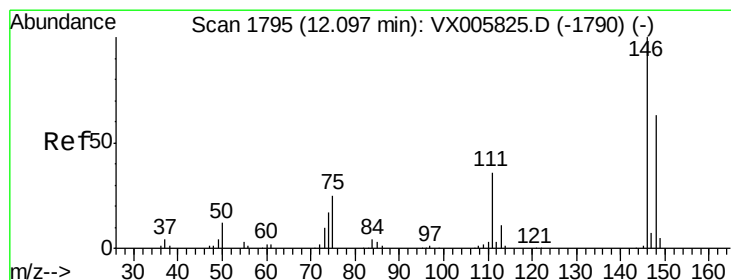
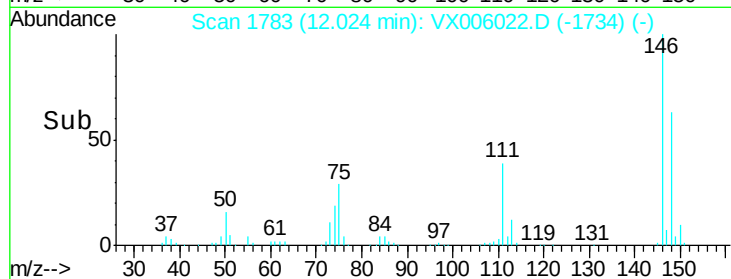
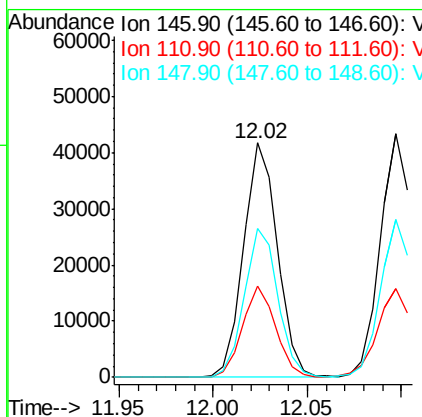
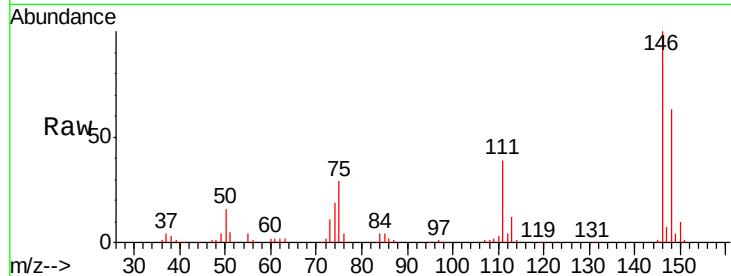
#87
 1,3-Dichlorobenzene
 Concen: 19.59 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	62.8	31.9	95.9

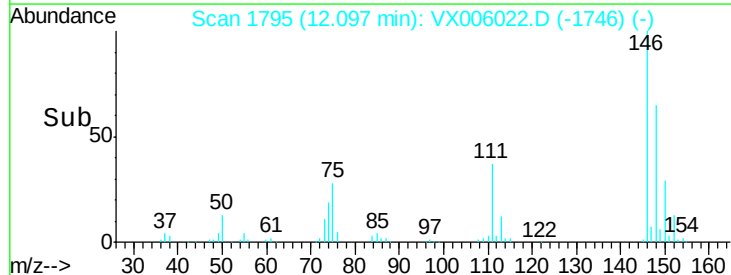
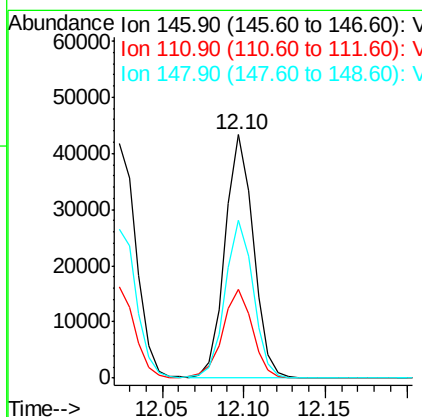
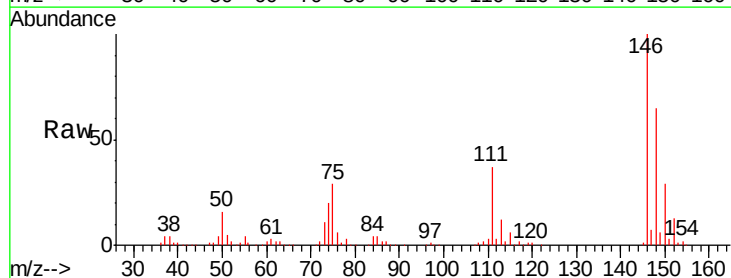
Manual Integrations
 APPROVED

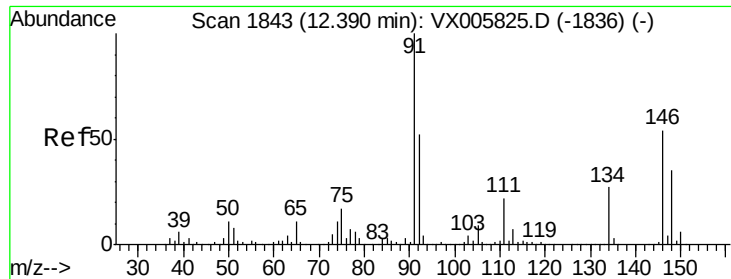
MMDadoda
 11/16/2018 10:52:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.6	55.8
148	64.6	32.1	96.3





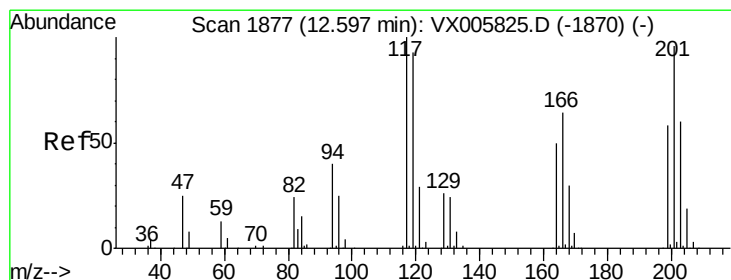
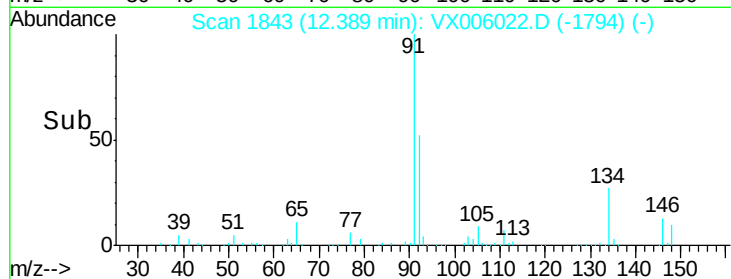
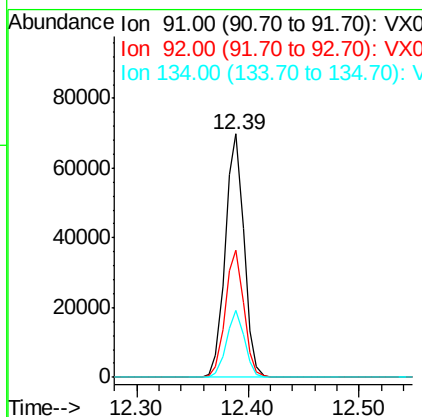
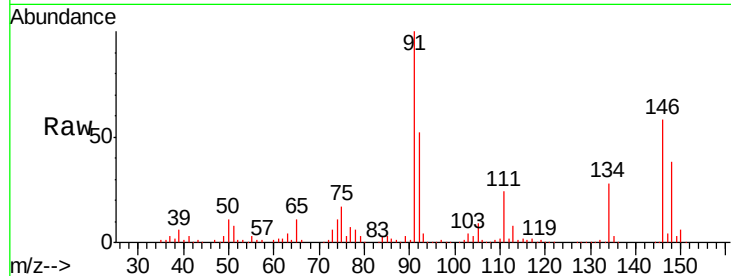
#89
n-Butylbenzene
Concen: 19.12 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion: 91 Resp: 81201
Ion Ratio Lower Upper
91 100
92 51.7 26.1 78.2
134 26.3 13.1 39.3

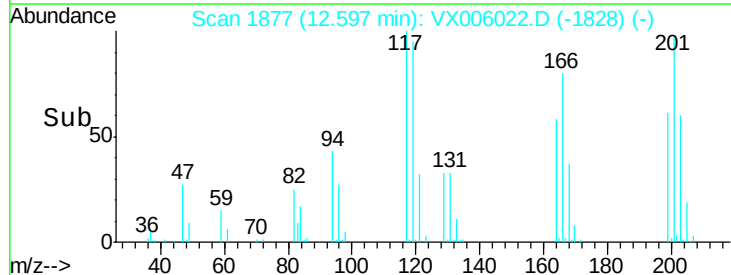
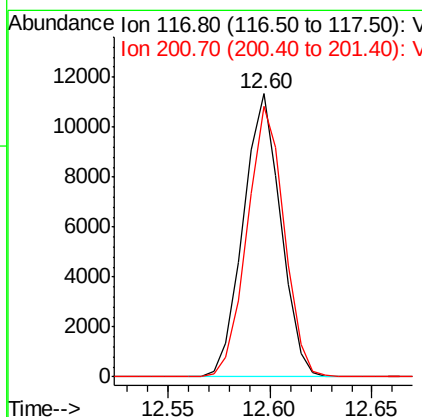
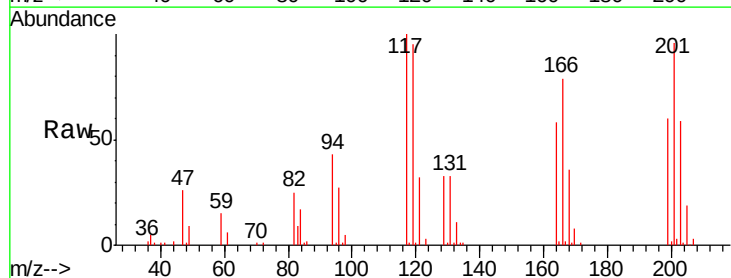
Manual Integrations
APPROVED

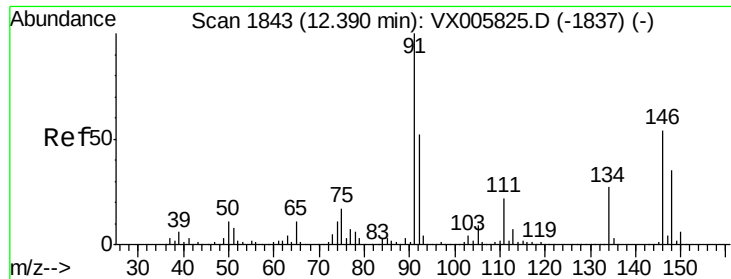
MMDadoda
11/16/2018 10:52:12 AM



#90
Hexachloroethane
Concen: 18.85 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 117 Resp: 14424
Ion Ratio Lower Upper
117 100
201 95.0 47.9 143.6





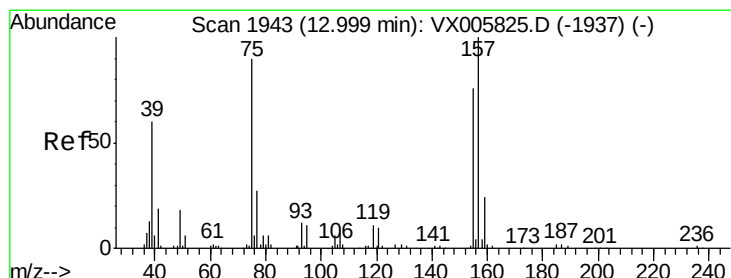
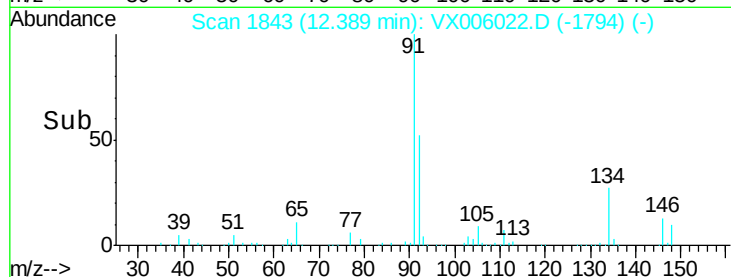
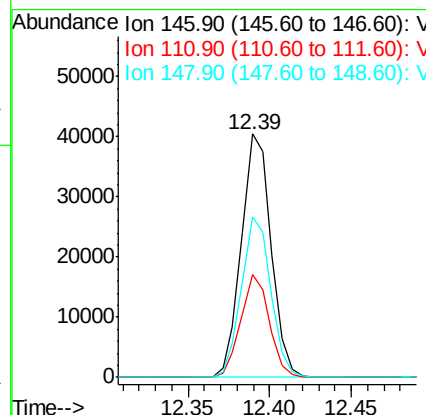
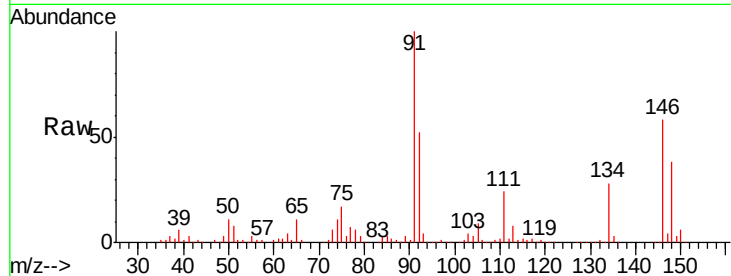
#91
 1,2-Dichlorobenzene
 Concen: 19.33 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	65.2	32.2	96.6

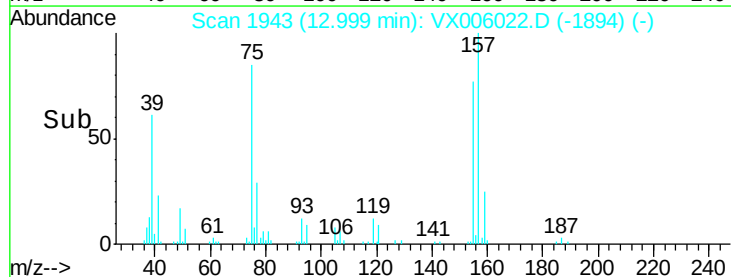
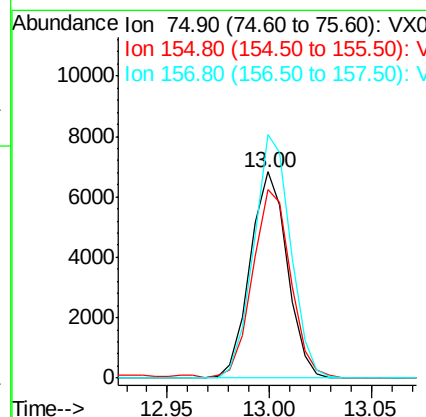
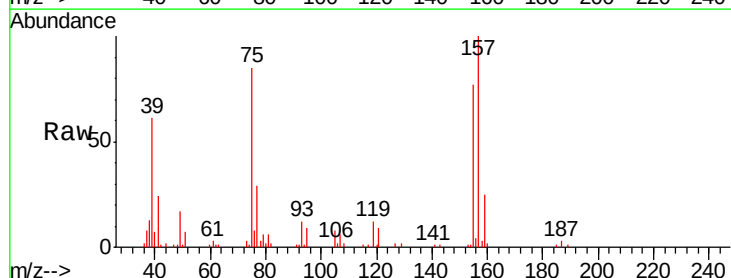
Manual Integrations
 APPROVED

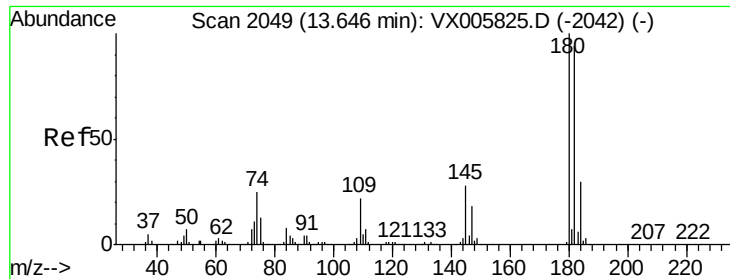
MMDadoda
 11/16/2018 10:52:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.60 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	45.4	136.1
157	117.2	57.4	172.0





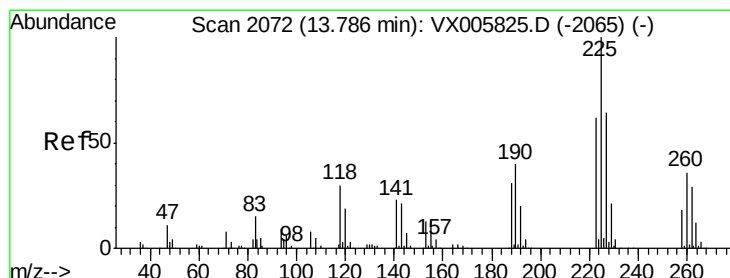
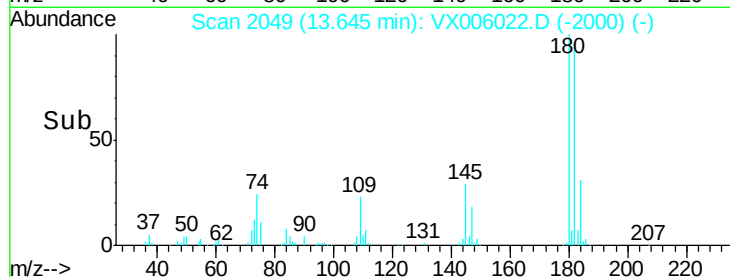
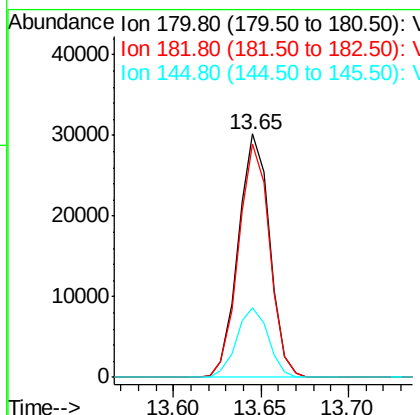
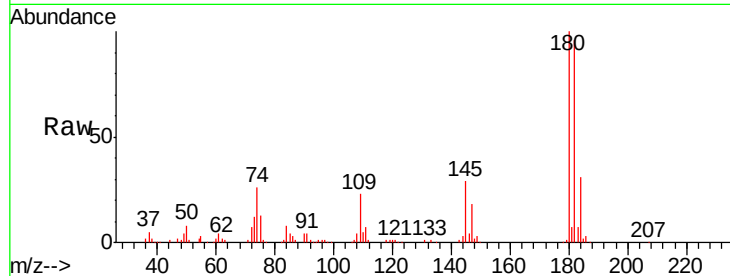
#93
 1,2,4-Trichlorobenzene
 Concen: 19.98 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115MBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.8
145	29.1	14.1	42.2

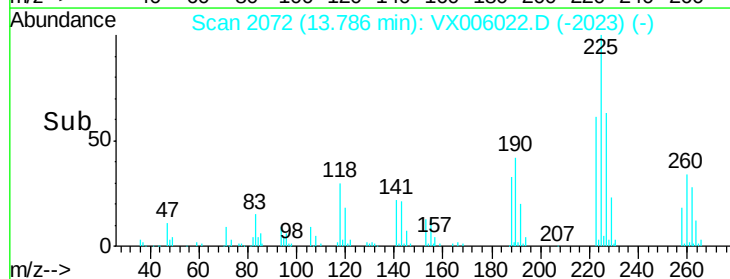
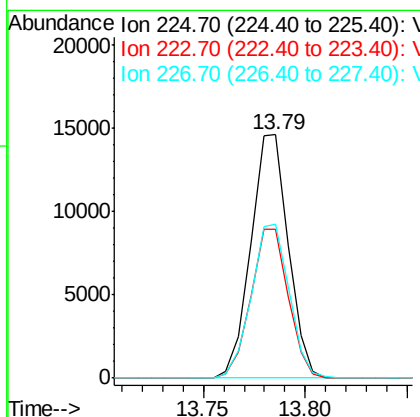
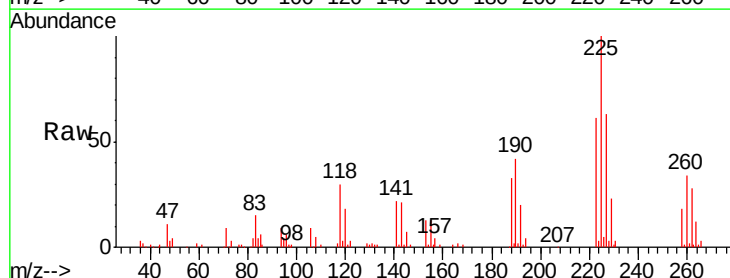
Manual Integrations
 APPROVED

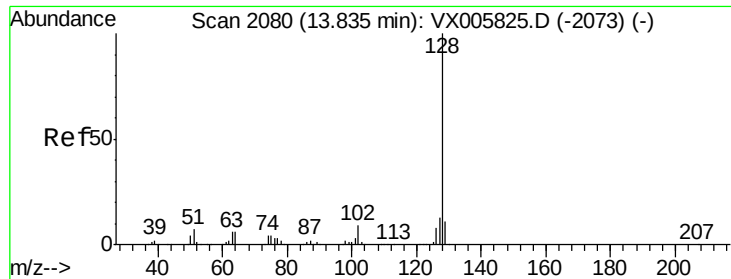
MMDadoda
 11/16/2018 10:52:12 AM



#94
 Hexachlorobutadiene
 Concen: 18.98 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.7	95.1
227	63.8	32.3	96.9





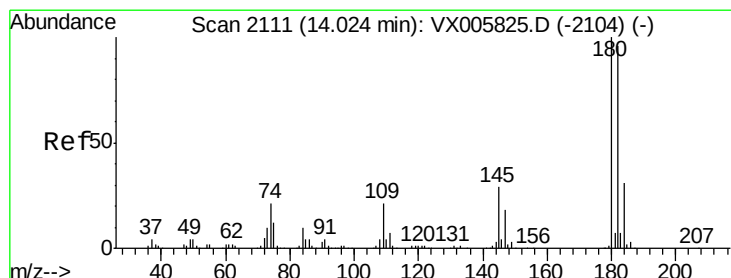
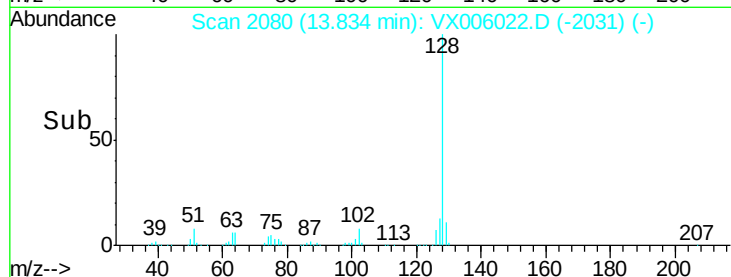
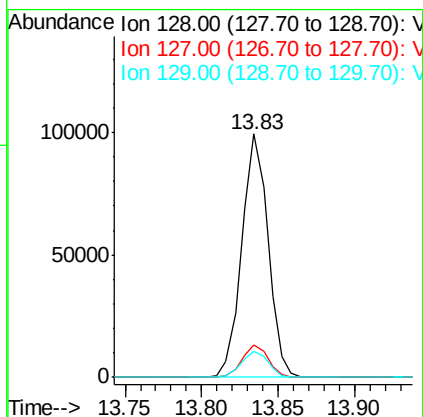
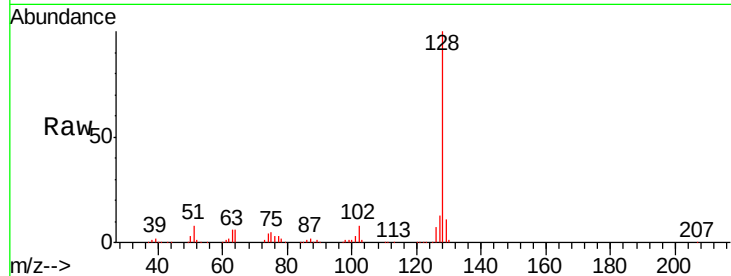
#95
Naphthalene
Concen: 20.12 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
VX1115MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	118778		
127	13.2	10.4	15.6	
129	11.0	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
11/16/2018 10:52:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.31 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	38841		
182	96.3	48.0	144.2	
145	30.0	15.1	45.3	

