

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005383.D
 Acq On : 17 Oct 2018 10:24
 Operator : JC/MD
 Sample : VX1017WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:23:16 PM

Quant Time: Oct 17 17:13:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	267884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380611	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	355133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200554	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	141951	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	5.50	113	116625	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
50) Toluene-d8	8.71	98	442327	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.14	95	162935	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	39089	18.66	ug/l	99
3) Chloromethane	1.32	50	53533	17.64	ug/l	97
4) Vinyl Chloride	1.40	62	55977	18.21	ug/l	98
5) Bromomethane	1.64	94	34413	20.17	ug/l	96
6) Chloroethane	1.71	64	35399	18.53	ug/l	95
7) Trichlorofluoromethane	1.92	101	79067	19.27	ug/l	97
8) Diethyl Ether	2.19	74	33283	19.00	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	46025	19.44	ug/l	95
10) Methyl Iodide	2.51	142	51178	21.22	ug/l	98
11) Tert butyl alcohol	3.07	59	82203	98.02	ug/l	99
12) 1,1-Dichloroethene	2.37	96	44585	19.00	ug/l	97
13) Acrolein	2.29	56	33191	60.38	ug/l	95
14) Allyl chloride	2.73	41	98199	19.06	ug/l	95
15) Acrylonitrile	3.15	53	178342	93.84	ug/l	99
16) Acetone	2.45	43	163936	95.37	ug/l	97
17) Carbon Disulfide	2.57	76	120817	17.00	ug/l	98
18) Methyl Acetate	2.78	43	96655	19.76	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	167166	20.23	ug/l	97
20) Methylene Chloride	2.85	84	52075	20.01	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	47811	18.39	ug/l	94
22) Diisopropyl ether	3.87	45	159455	18.43	ug/l	92
23) Vinyl Acetate	3.82	43	688012	90.98	ug/l	97
24) 1,1-Dichloroethane	3.70	63	95315	19.22	ug/l	98
25) 2-Butanone	4.70	43	230054	91.47	ug/l	94
26) 2,2-Dichloropropane	4.58	77	69611	18.77	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	50902	18.01	ug/l	95
28) Bromochloromethane	5.02	49	46298	20.48	ug/l	94
29) Tetrahydrofuran	5.15	42	145623	90.77	ug/l	94
30) Chloroform	5.21	83	87298	18.97	ug/l	99
31) Cyclohexane	5.57	56	72875	17.83	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	75403	18.83	ug/l	100
36) 1,1-Dichloropropene	5.80	75	62460	16.94	ug/l	99
37) Ethyl Acetate	4.85	43	81272	17.14	ug/l	99
38) Carbon Tetrachloride	5.78	117	66378	17.92	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005383.D
 Acq On : 17 Oct 2018 10:24
 Operator : JC/MD
 Sample : VX1017WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1017WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:23:16 PM

Quant Time: Oct 17 17:13:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	70966	17.79	ug/l	94
40) Benzene	6.13	78	198284	17.93	ug/l	97
41) Methacrylonitrile	5.06	41	45180	17.78	ug/l	96
42) 1,2-Dichloroethane	6.20	62	70113	17.96	ug/l	98
43) Isopropyl Acetate	6.46	43	119178	18.87	ug/l	96
44) Trichloroethene	7.21	130	54776	19.01	ug/l	99
45) 1,2-Dichloropropane	7.52	63	51788	19.09	ug/l	98
46) Dibromomethane	7.66	93	34046	19.02	ug/l	99
47) Bromodichloromethane	7.90	83	63808	19.27	ug/l	98
48) Methyl methacrylate	7.77	41	62303	19.02	ug/l	95
49) 1,4-Dioxane	7.76	88	28899	382.56	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	431727	98.74	ug/l	94
52) Toluene	8.79	92	123596	20.43	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	69835	19.49	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	76821	19.78	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	50958	19.89	ug/l	95
56) Ethyl methacrylate	9.18	69	74355	19.91	ug/l	96
57) 1,3-Dichloropropane	9.37	76	85419	19.97	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	211658	101.04	ug/l	95
59) 2-Hexanone	9.49	43	344155	97.85	ug/l	94
60) Dibromochloromethane	9.59	129	51779	19.55	ug/l	100
61) 1,2-Dibromoethane	9.67	107	53236	19.80	ug/l	100
64) Tetrachloroethene	9.34	164	56613	19.80	ug/l	97
65) Chlorobenzene	10.14	112	138986	18.40	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	50876	18.90	ug/l	98
67) Ethyl Benzene	10.25	91	230111	18.74	ug/l	97
68) m/p-Xylenes	10.36	106	181077	37.99	ug/l	96
69) o-Xylene	10.70	106	86416	18.80	ug/l	98
70) Styrene	10.71	104	145566	19.25	ug/l	97
71) Bromoform	10.86	173	42413	17.63	ug/l #	98
73) Isopropylbenzene	11.02	105	237351	19.91	ug/l	100
74) N-amyl acetate	10.90	43	106638	18.54	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	82417	18.33	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	88849m	22.84	ug/l	
77) Bromobenzene	11.26	156	66065	19.38	ug/l	99
78) n-propylbenzene	11.36	91	272422	19.86	ug/l	100
79) 2-Chlorotoluene	11.42	91	162685	19.36	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	204971	20.08	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	23116	18.06	ug/l	98
82) 4-Chlorotoluene	11.51	91	191811	19.26	ug/l	100
83) tert-Butylbenzene	11.77	119	200256	19.37	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	210063	19.99	ug/l	98
85) sec-Butylbenzene	11.94	105	243059	19.87	ug/l	100
86) p-Isopropyltoluene	12.07	119	220673	19.95	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	120665	18.94	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	123184	18.90	ug/l	98
89) n-Butylbenzene	12.39	91	187418	18.67	ug/l	98
90) Hexachloroethane	12.60	117	33839	17.76	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	122543	18.85	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19752	18.00	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
Data File : VX005383.D
Acq On : 17 Oct 2018 10:24
Operator : JC/MD
Sample : VX1017WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

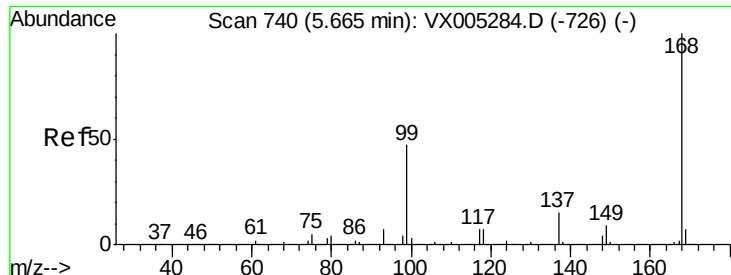
Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:16 PM

Quant Time: Oct 17 17:13:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	90528	18.98	ug/l	99
94) Hexachlorobutadiene	13.79	225	46475	18.45	ug/l	96
95) Naphthalene	13.83	128	271531	19.63	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	94056	19.27	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion:168 Resp: 267884

Ion Ratio Lower Upper

168 100

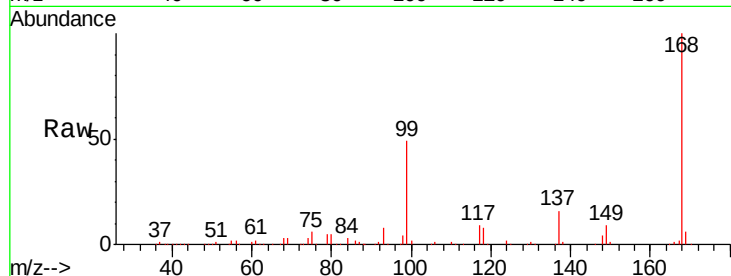
99 48.5 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:16 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

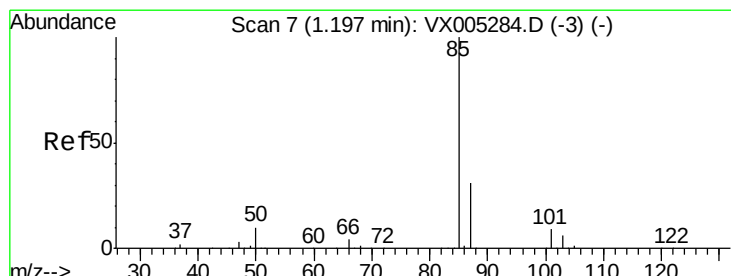
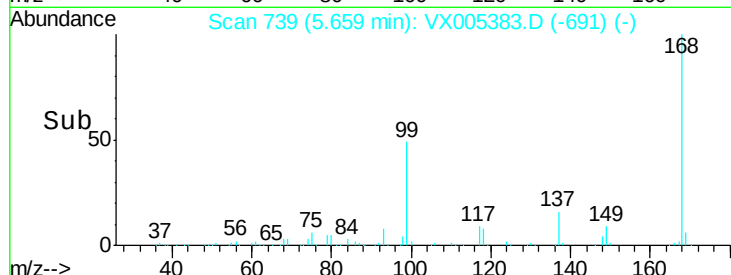
40000

20000

0

5.60 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.66 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005383.D

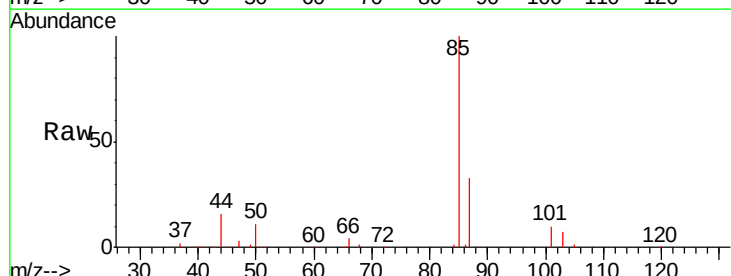
Acq: 17 Oct 2018 10:24

Tgt Ion: 85 Resp: 39089

Ion Ratio Lower Upper

85 100

87 33.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

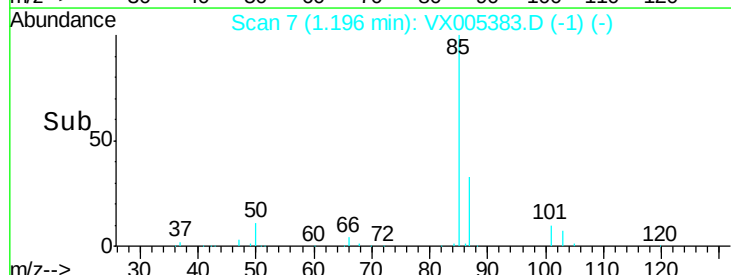
20000

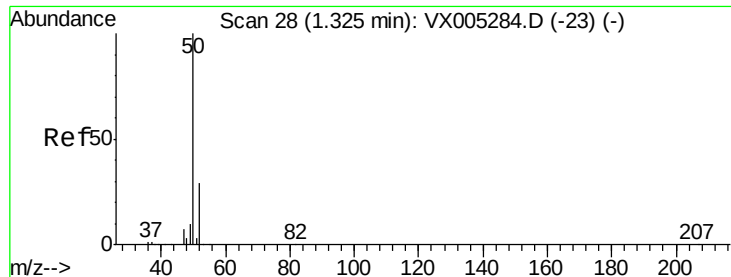
10000

0

1.15 1.20 1.25

Time-->





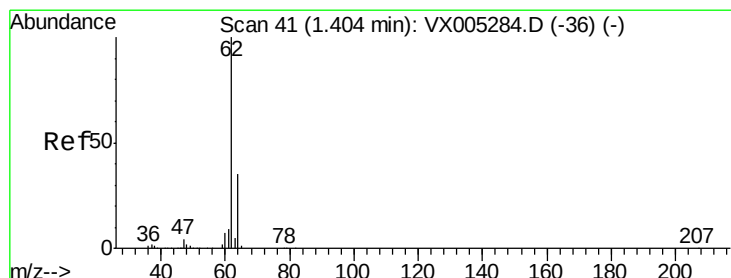
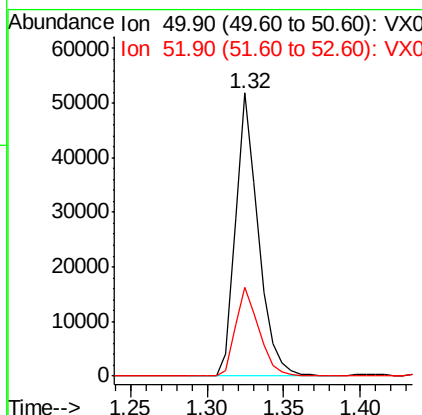
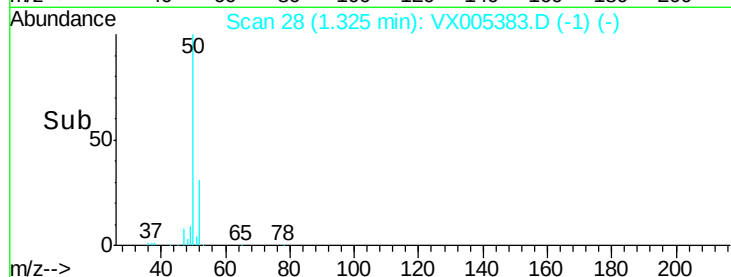
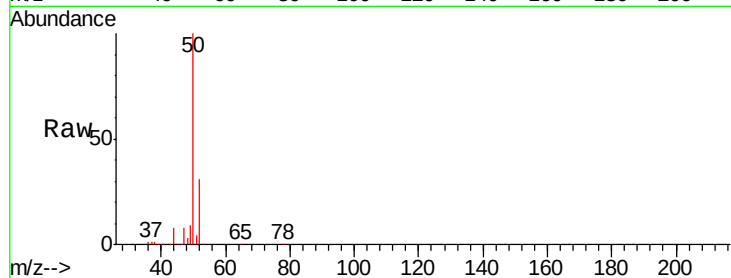
#3
Chloromethane
Concen: 17.64 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.3	26.2	39.2

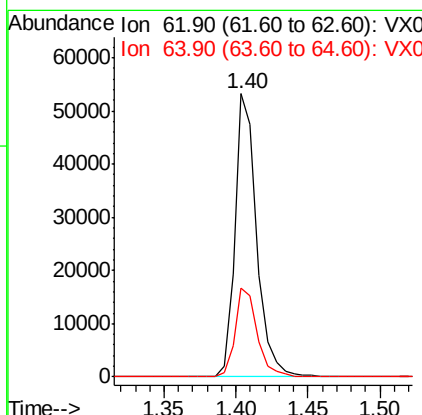
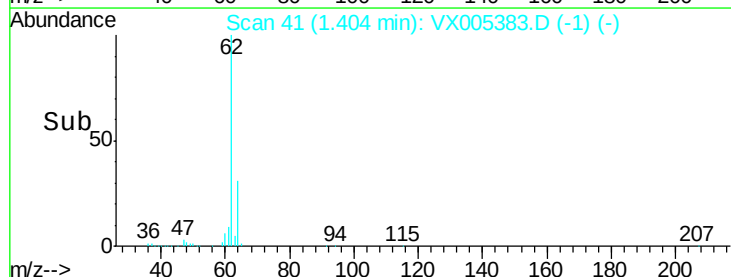
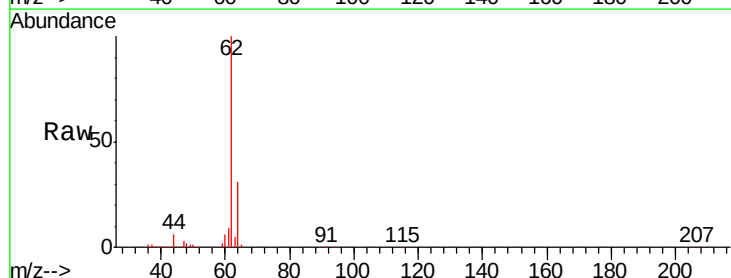
Manual Integrations
APPROVED

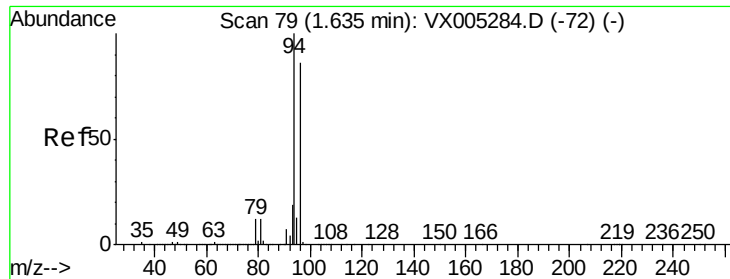
MMDadoda
10/19/2018 12:23:16 PM



#4
Vinyl Chloride
Concen: 18.21 ug/l
RT: 1.40 min Scan# 41
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.8	38.8





#5

Bromomethane

Concen: 20.17 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion: 94 Resp: 34413

Ion Ratio Lower Upper

94 100

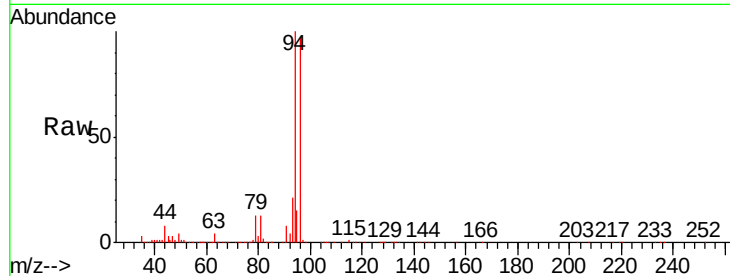
96 96.7 74.5 111.7

Manual Integrations

APPROVED

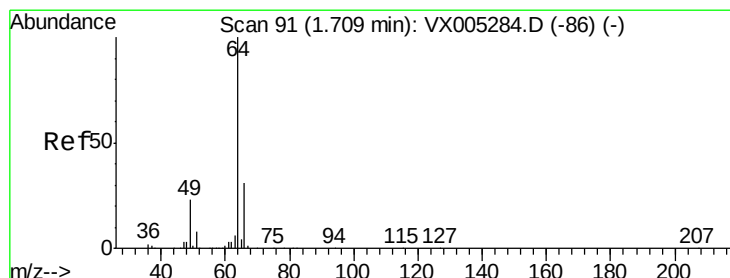
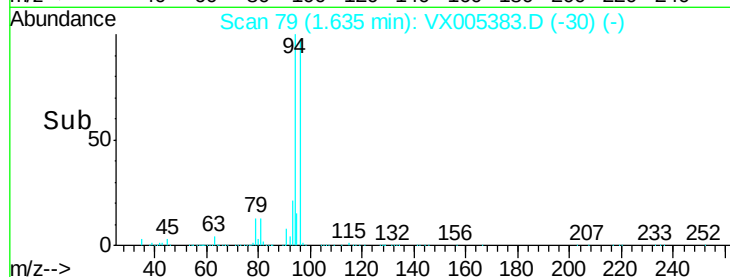
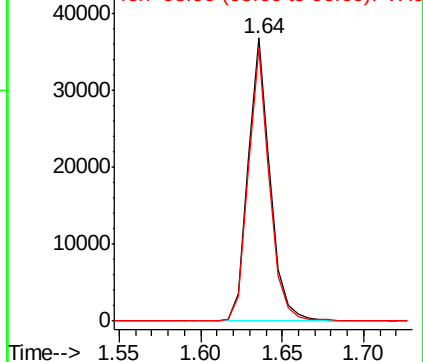
MMDadoda

10/19/2018 12:23:16 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.53 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005383.D

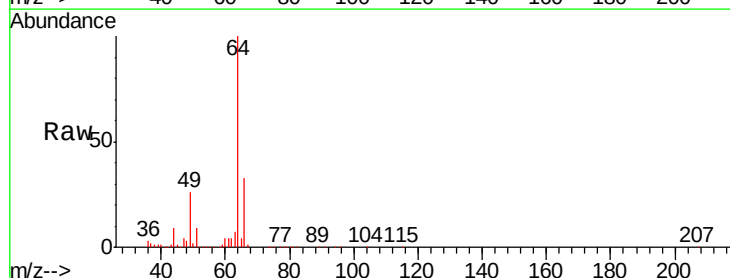
Acq: 17 Oct 2018 10:24

Tgt Ion: 64 Resp: 35399

Ion Ratio Lower Upper

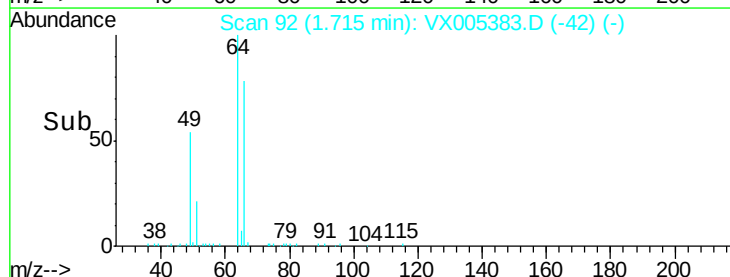
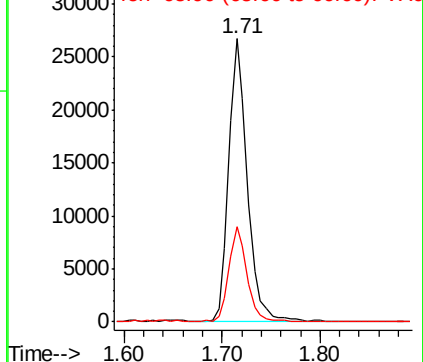
64 100

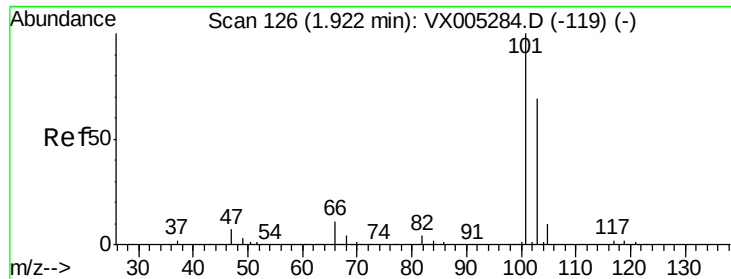
66 33.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

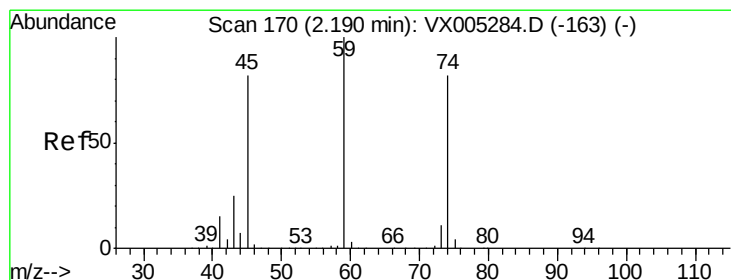
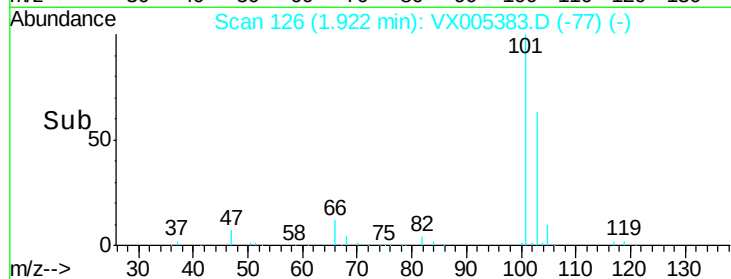
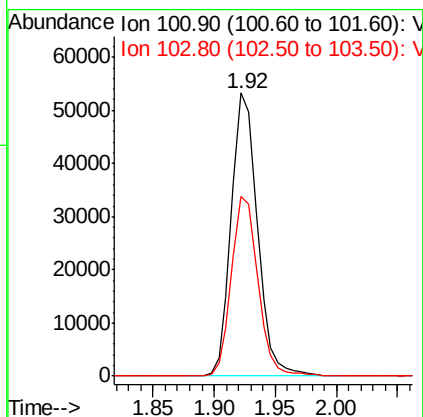
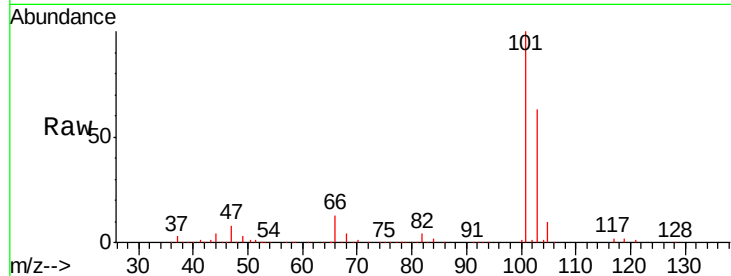
Trichlorofluoromethane
Concen: 19.27 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion:101 Resp: 79067
Ion Ratio Lower Upper
101 100
103 63.3 48.9 73.3

Manual Integrations
APPROVED

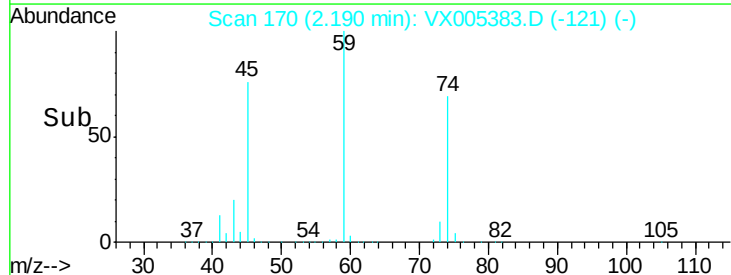
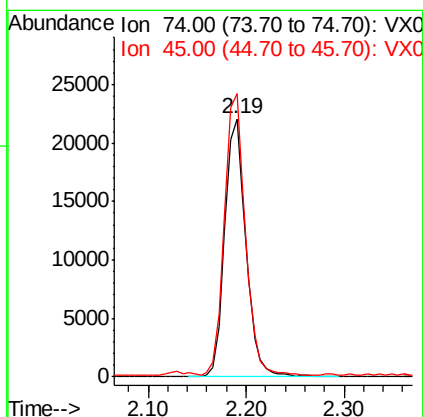
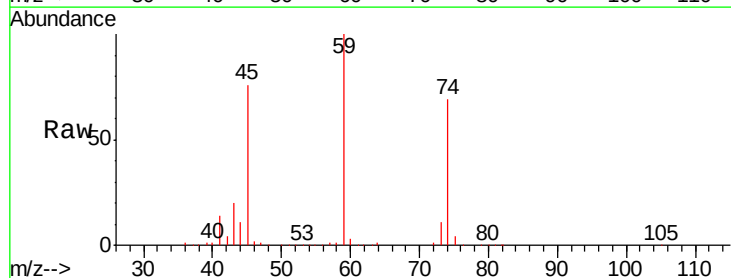
MMDadoda
10/19/2018 12:23:16 PM

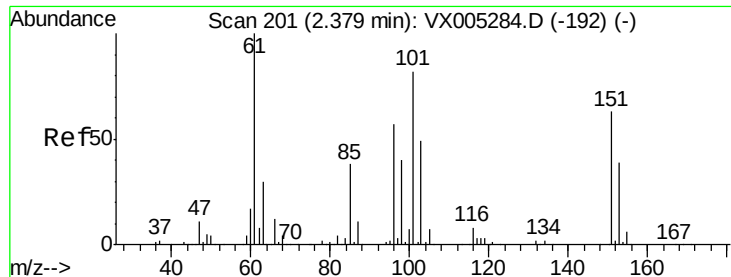


#8

Diethyl Ether
Concen: 19.00 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion: 74 Resp: 33283
Ion Ratio Lower Upper
74 100
45 107.6 48.3 144.8





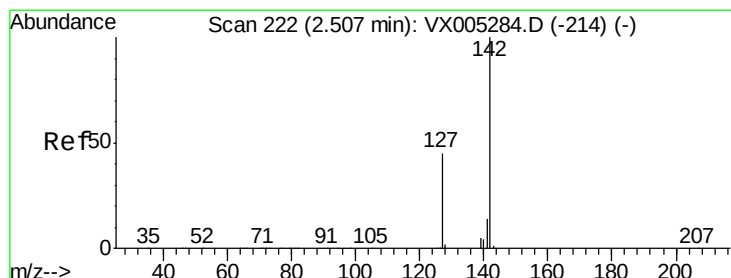
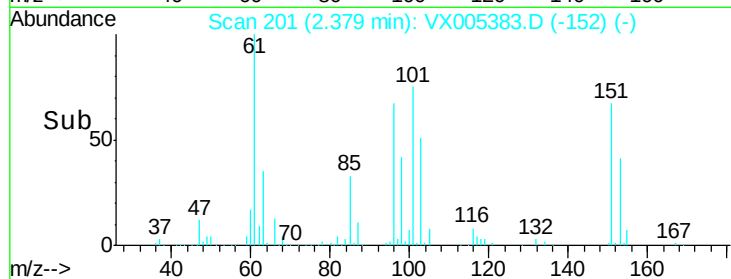
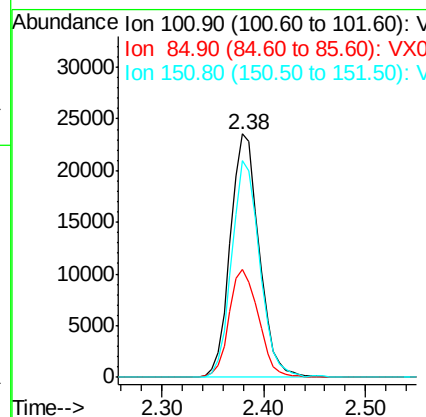
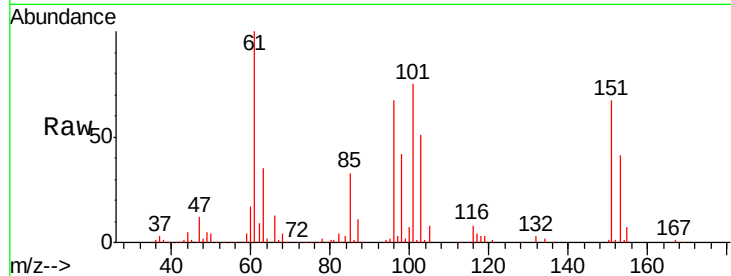
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.44 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	46025		
85	45.2	34.2	51.4	
151	86.7	65.0	97.6	

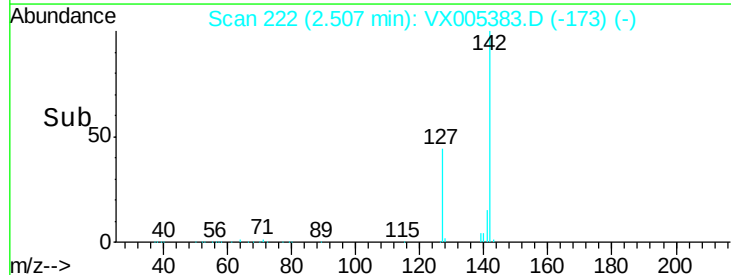
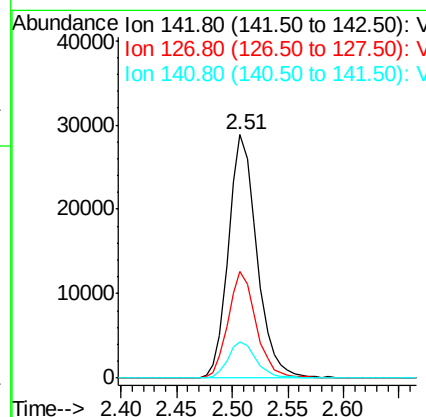
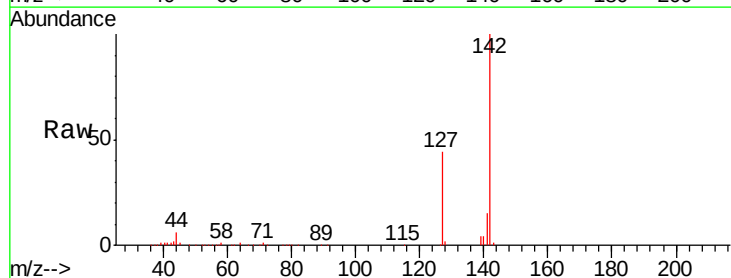
Manual Integrations
APPROVED

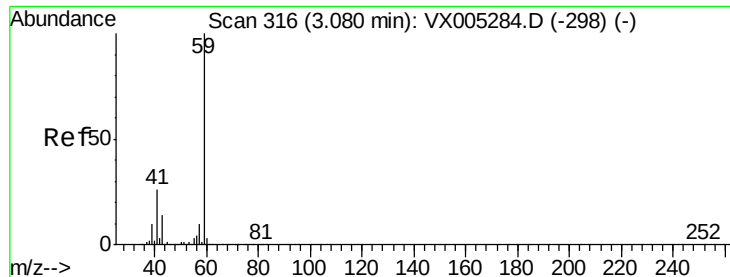
MMDadoda
10/19/2018 12:23:16 PM



#10
Methyl Iodide
Concen: 21.22 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	51178		
127	43.3	33.8	50.6	
141	14.9	11.4	17.0	





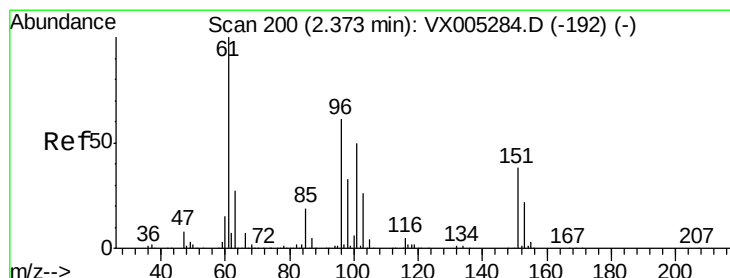
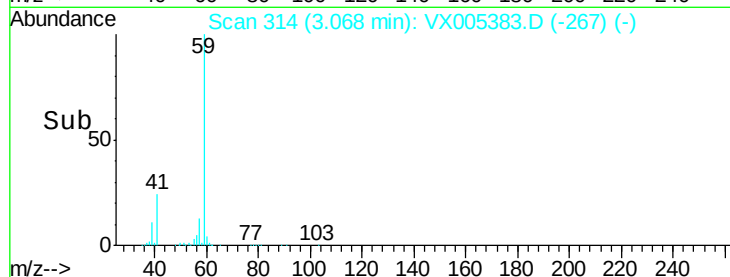
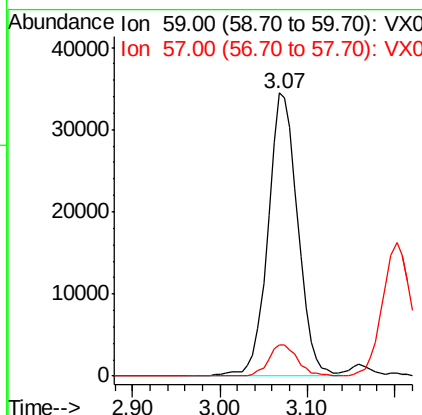
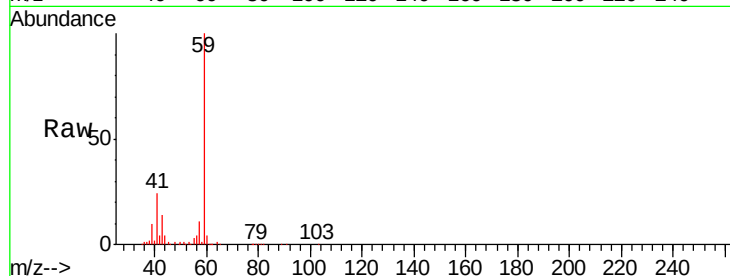
#11
Tert butyl alcohol
Concen: 98.02 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion: 59 Resp: 82203
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4

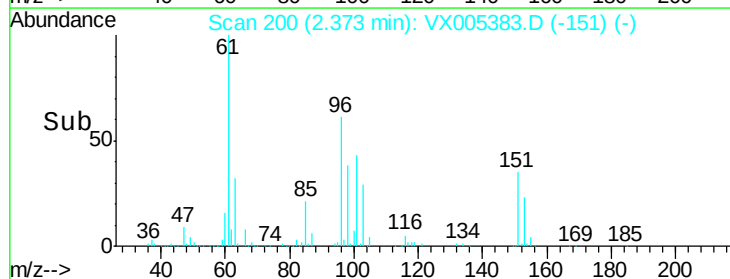
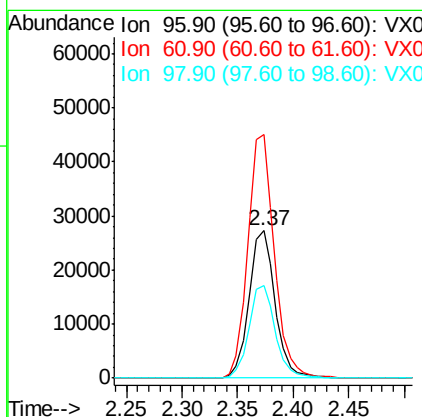
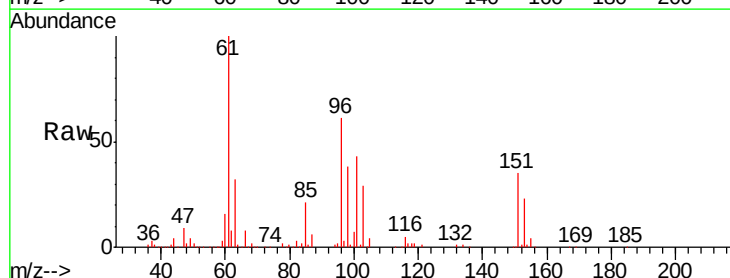
Manual Integrations
APPROVED

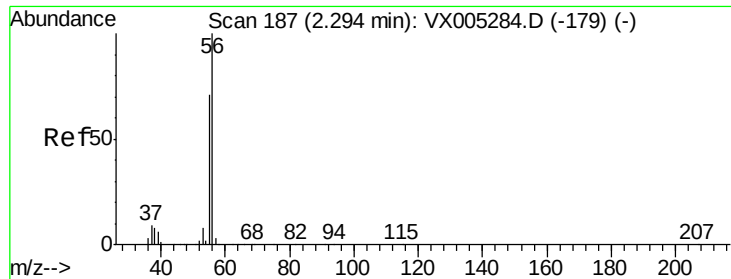
MMDadoda
10/19/2018 12:23:16 PM



#12
1,1-Dichloroethene
Concen: 19.00 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion: 96 Resp: 44585
Ion Ratio Lower Upper
96 100
61 165.2 128.8 193.2
98 62.7 52.2 78.2





#13

Acrolein

Concen: 60.38 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion: 56 Resp: 33191

Ion Ratio Lower Upper

56 100

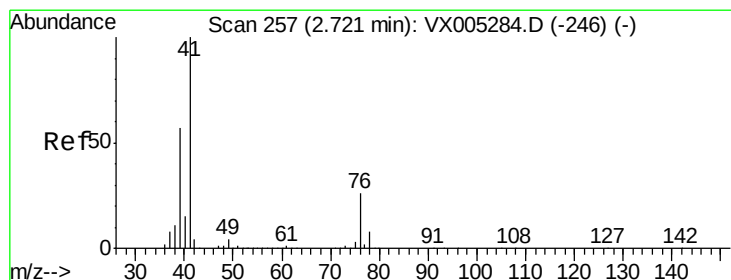
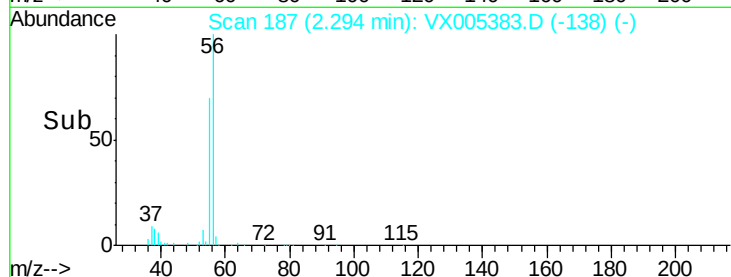
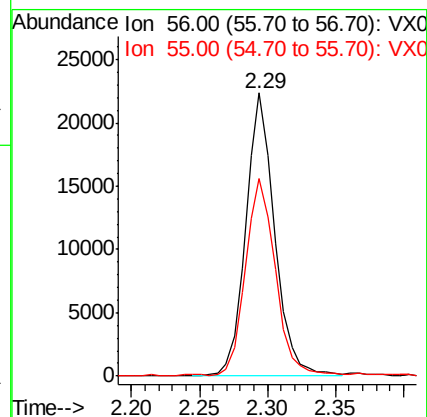
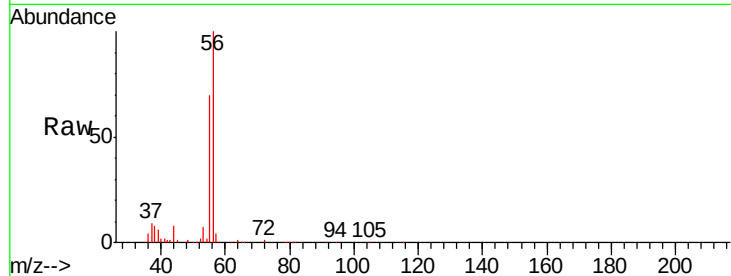
55 72.1 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:16 PM



#14

Allyl chloride

Concen: 19.06 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

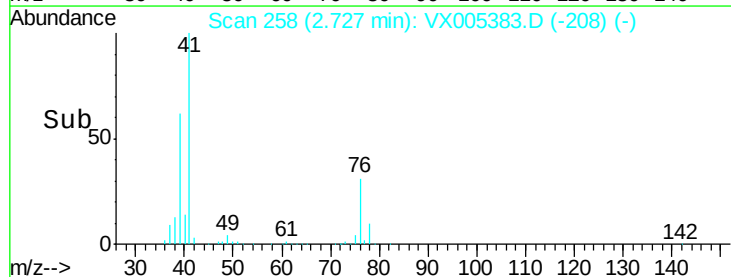
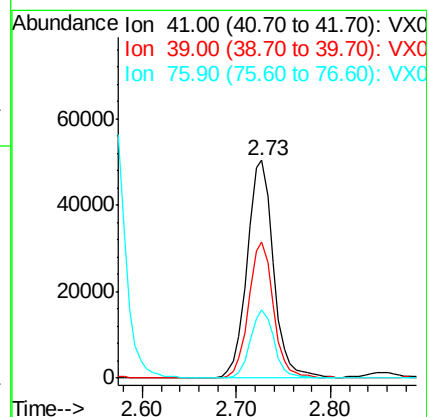
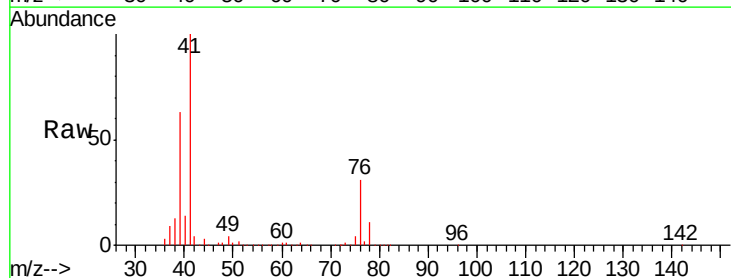
Tgt Ion: 41 Resp: 98199

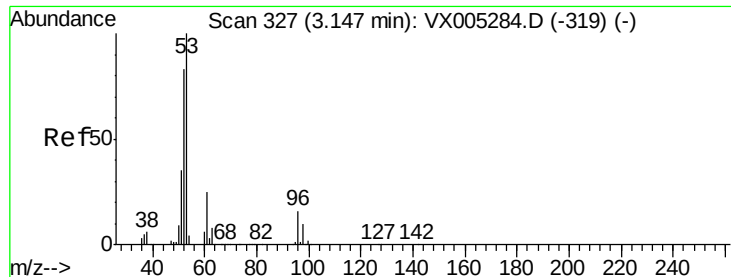
Ion Ratio Lower Upper

41 100

39 58.5 48.9 73.3

76 28.7 26.7 40.1





#15

Acrylonitrile

Concen: 93.84 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

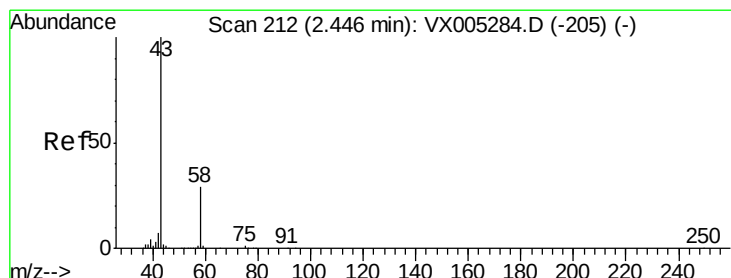
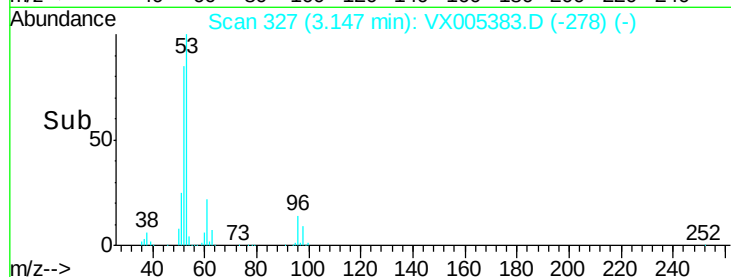
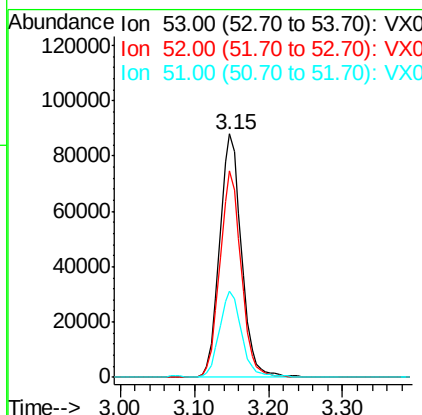
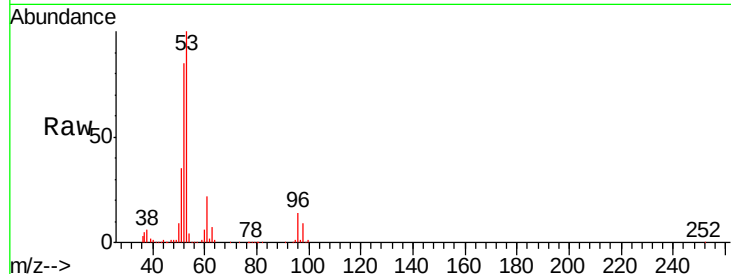
ClientSampleId :

VX1017WBS01

Tgt Ion:	53	Resp:	178342
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.2	97.8
51	35.8	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:16 PM



#16

Acetone

Concen: 95.37 ug/l

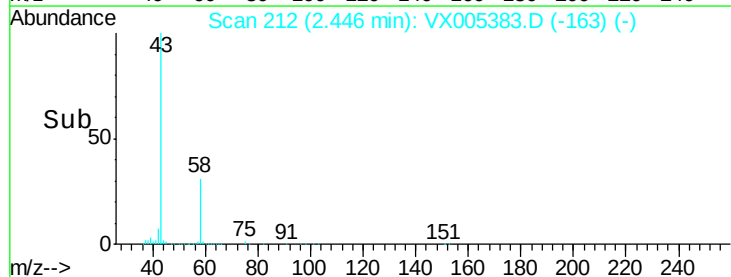
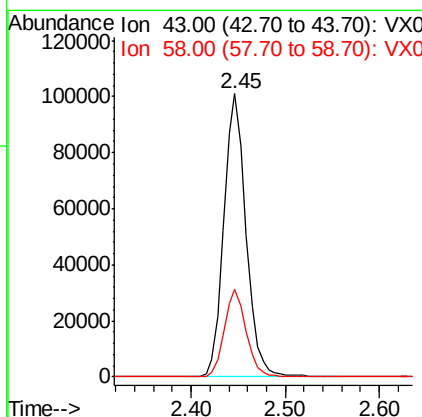
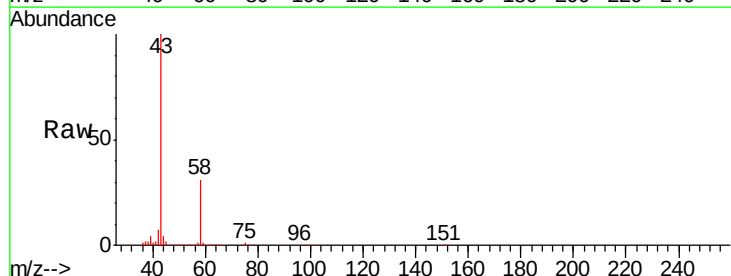
RT: 2.45 min Scan# 212

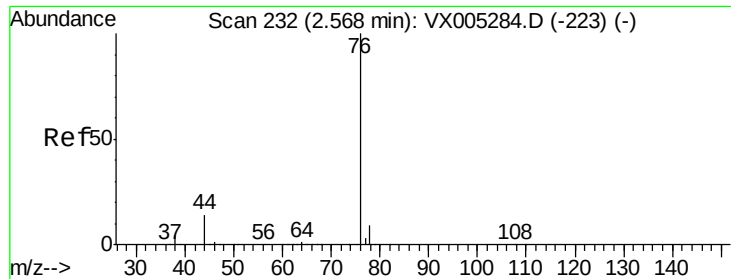
Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Tgt Ion:	43	Resp:	163936
Ion	Ratio	Lower	Upper
43	100		
58	31.1	26.2	39.4





#17

Carbon Disulfide

Concen: 17.00 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion: 76 Resp: 120817

Ion Ratio Lower Upper

76 100

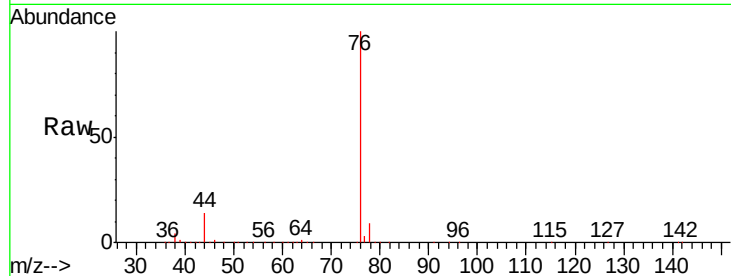
78 9.4 7.0 10.6

Manual Integrations

APPROVED

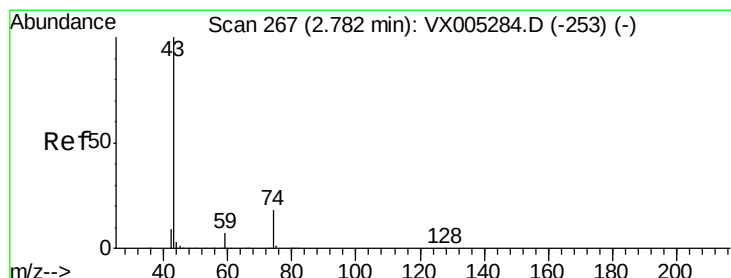
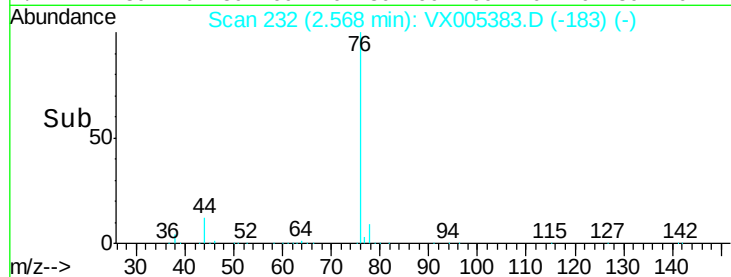
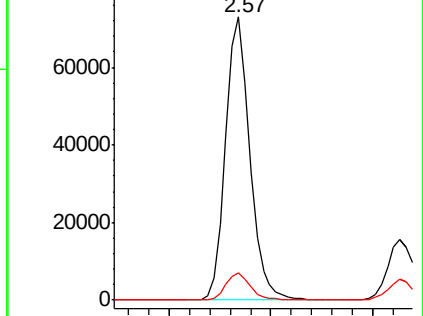
MMDadoda

10/19/2018 12:23:16 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.76 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005383.D

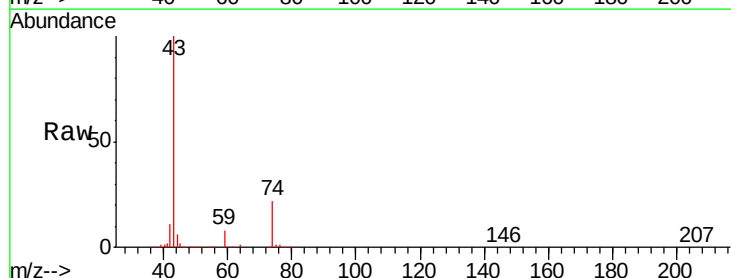
Acq: 17 Oct 2018 10:24

Tgt Ion: 43 Resp: 96655

Ion Ratio Lower Upper

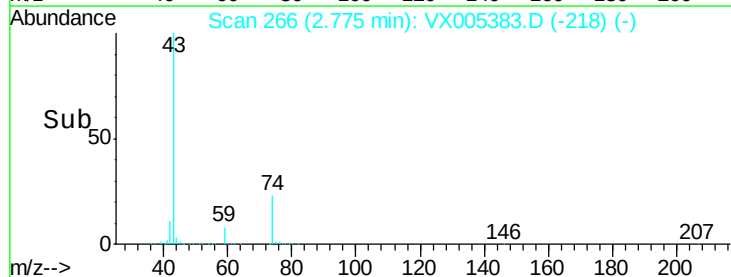
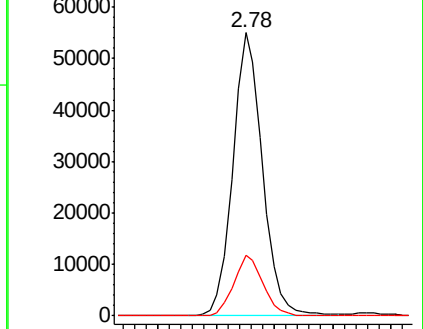
43 100

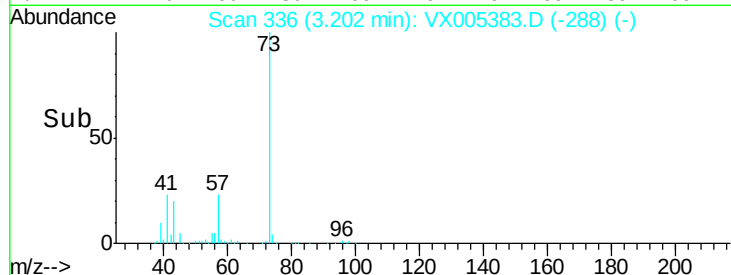
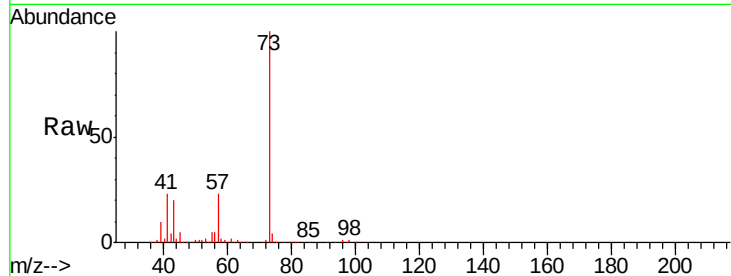
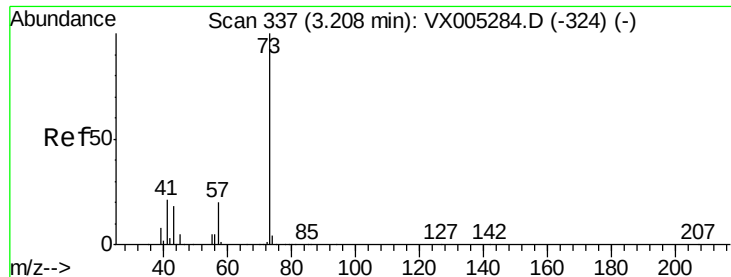
74 21.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





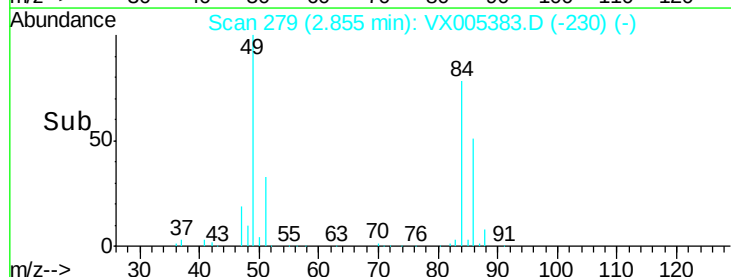
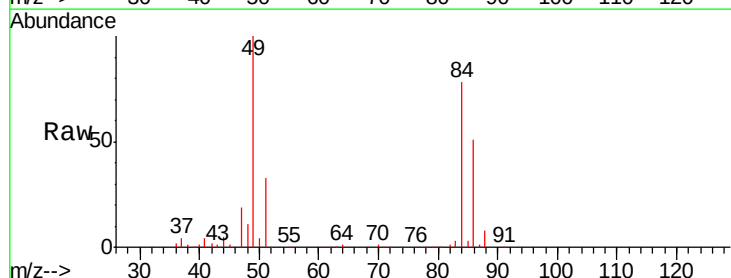
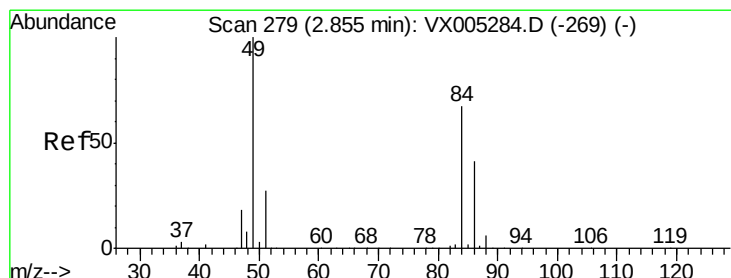
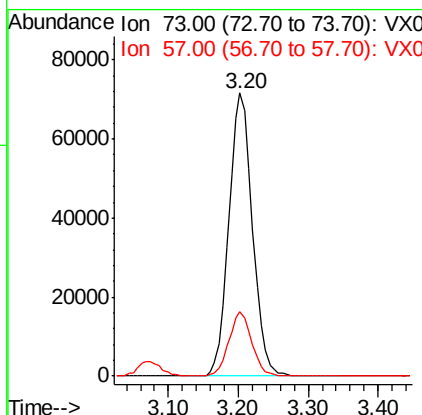
#19
Methyl tert-butyl Ether
Concen: 20.23 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion: 73 Resp: 167166
Ion Ratio Lower Upper
73 100
57 22.6 17.1 25.7

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

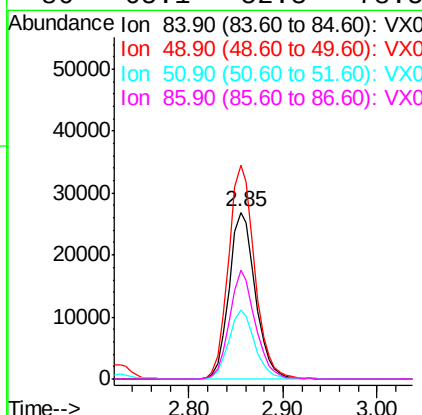
Manual Integrations
APPROVED

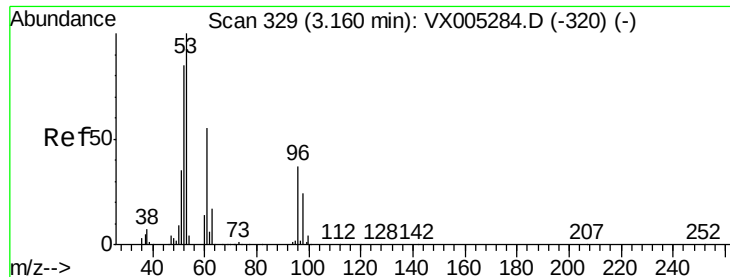
MMDadoda
10/19/2018 12:23:16 PM



#20
Methylene Chloride
Concen: 20.01 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion: 84 Resp: 52075
Ion Ratio Lower Upper
84 100
49 128.3 101.2 151.8
51 41.9 29.5 44.3
86 65.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.39 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

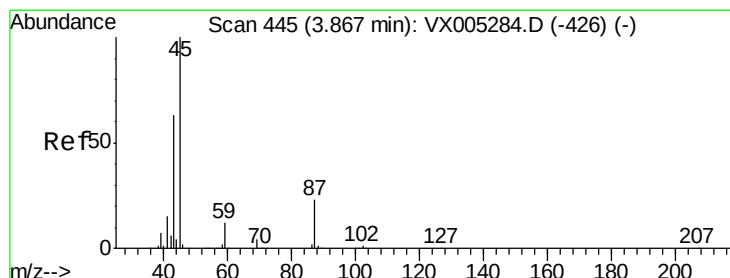
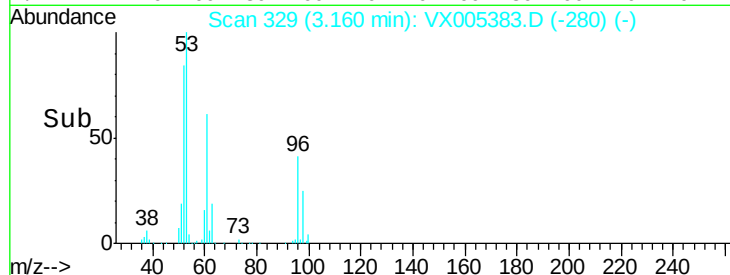
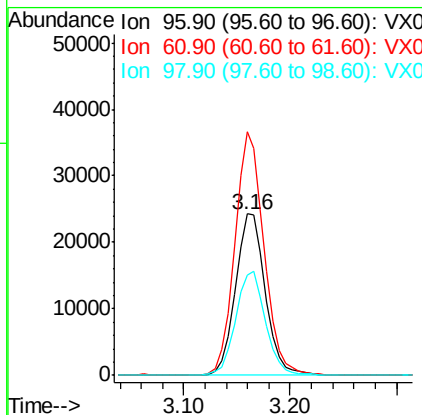
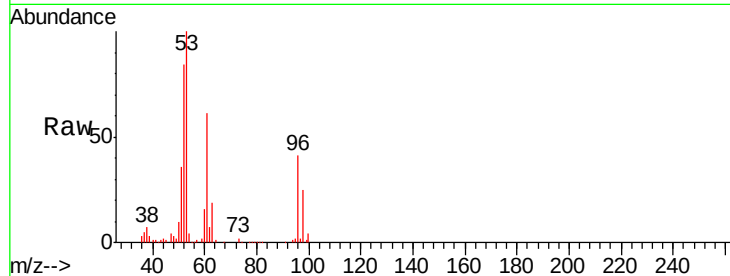
ClientSampleId :

VX1017WBS01

Tgt Ion:	96	Resp:	47811
Ion	Ratio	Lower	Upper
96	100		
61	151.1	113.8	170.6
98	62.5	51.8	77.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:16 PM



#22

Diisopropyl ether

Concen: 18.43 ug/l

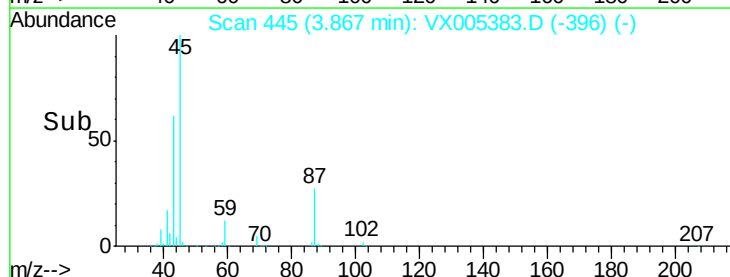
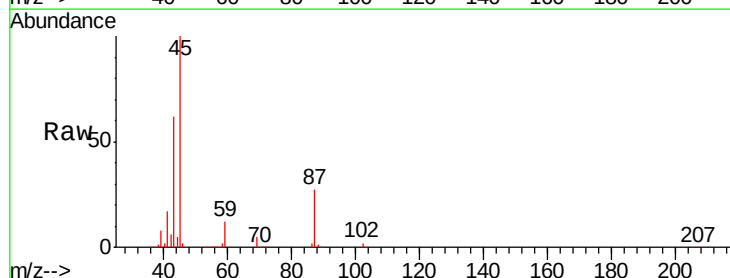
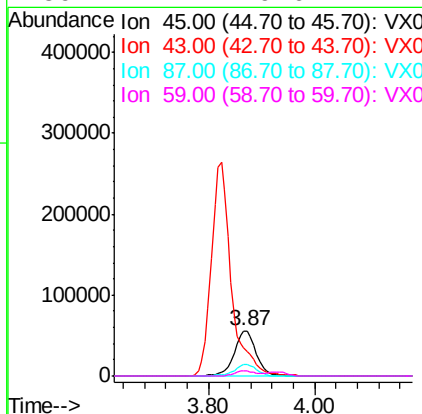
RT: 3.87 min Scan# 445

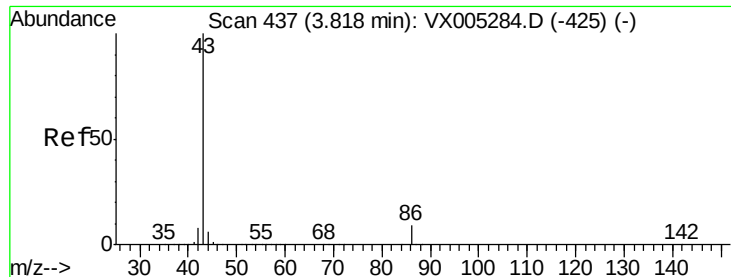
Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Tgt Ion:	45	Resp:	159455
Ion	Ratio	Lower	Upper
45	100		
43	62.0	42.8	64.2
87	26.9	22.6	34.0
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 90.98 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion: 43 Resp: 688012

Ion Ratio Lower Upper

43 100

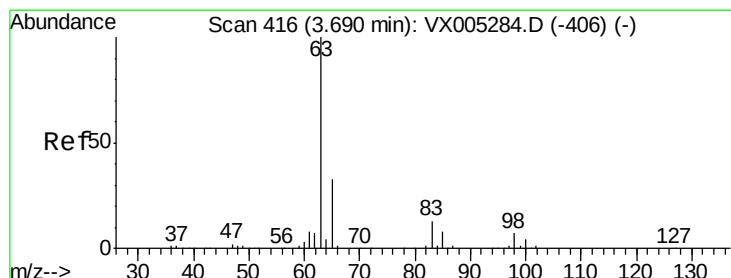
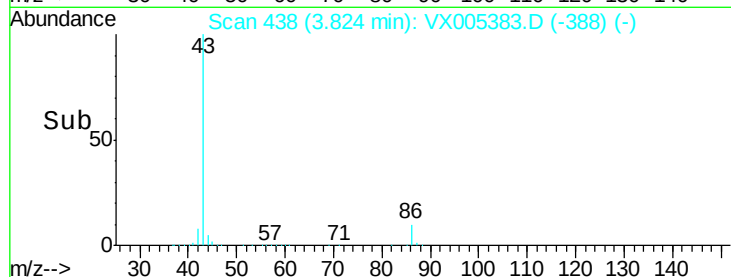
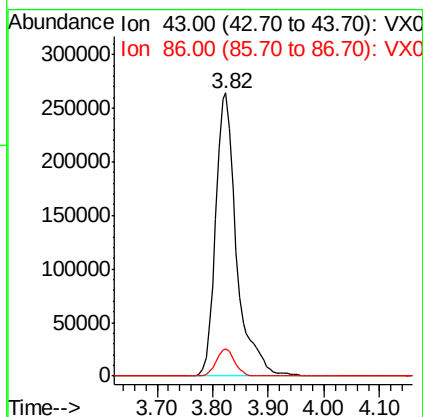
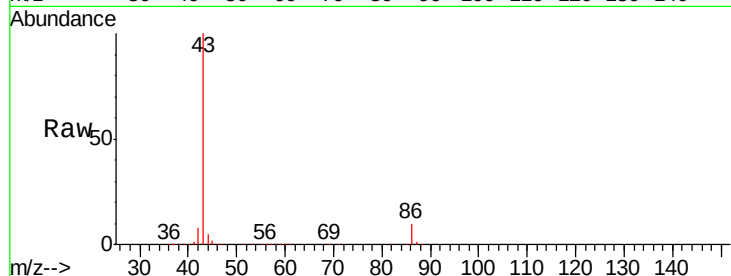
86 9.8 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:16 PM



#24

1,1-Dichloroethane

Concen: 19.22 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

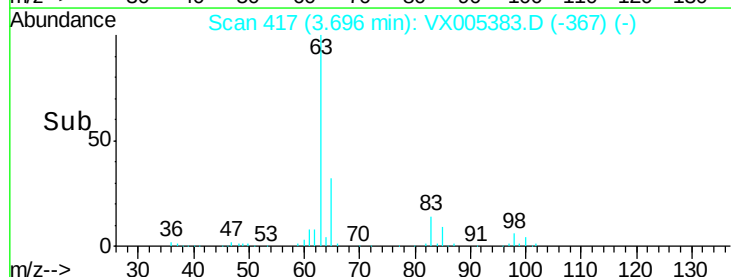
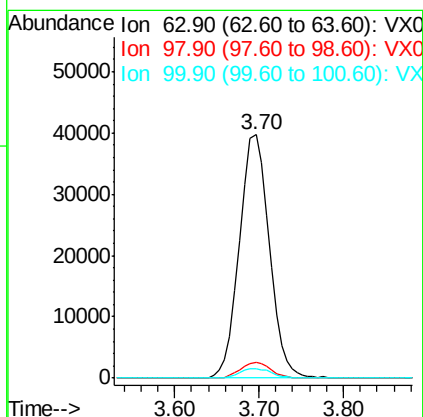
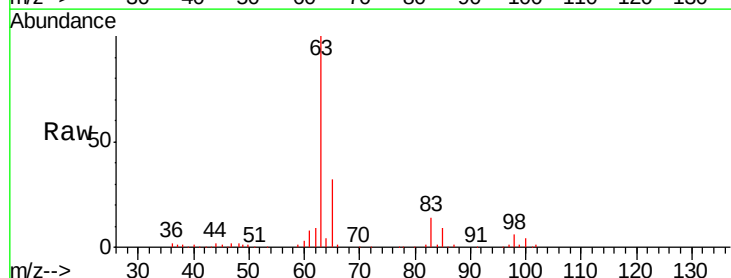
Tgt Ion: 63 Resp: 95315

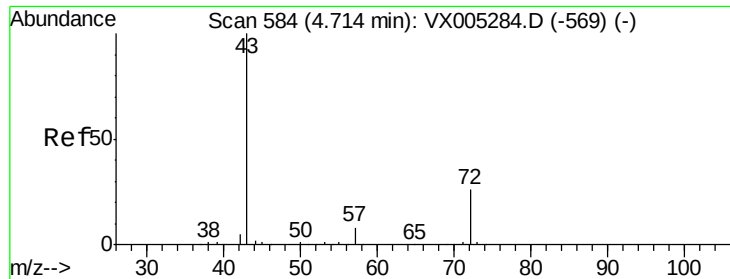
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.0 2.4 7.1





#25

2-Butanone

Concen: 91.47 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion: 43 Resp: 230054

Ion Ratio Lower Upper

43 100

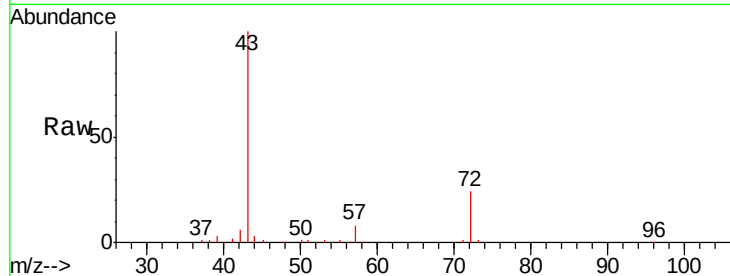
72 24.2 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

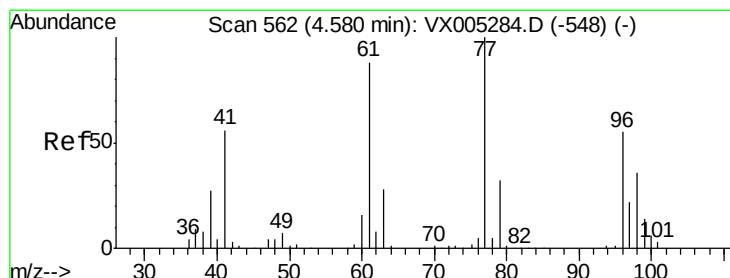
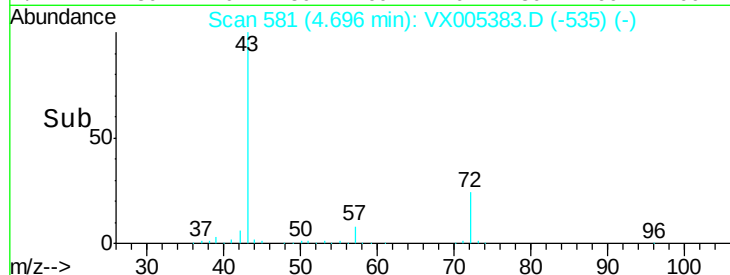
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.77 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005383.D

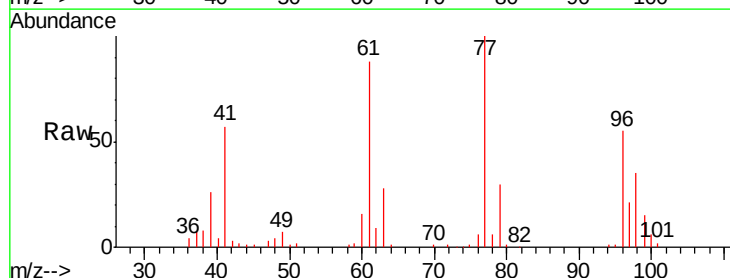
Acq: 17 Oct 2018 10:24

Tgt Ion: 77 Resp: 69611

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

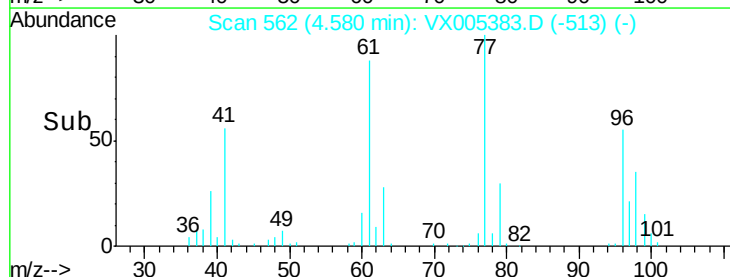
10000

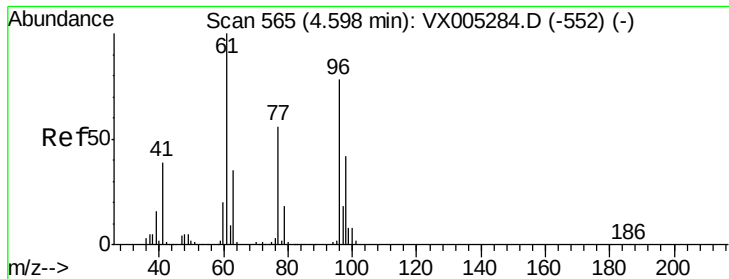
5000

0

4.50 4.60 4.70

Time-->





#27

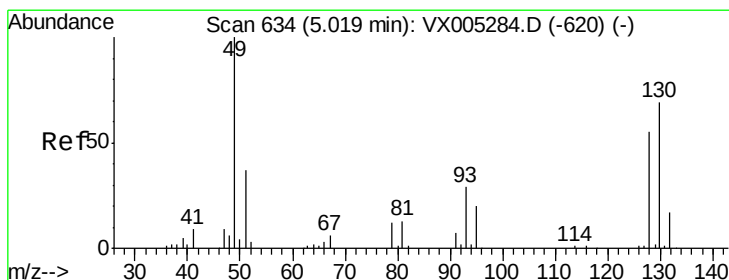
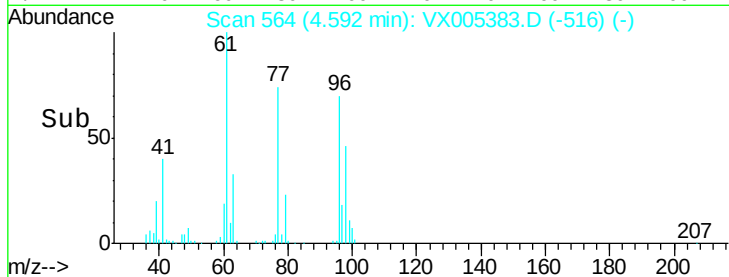
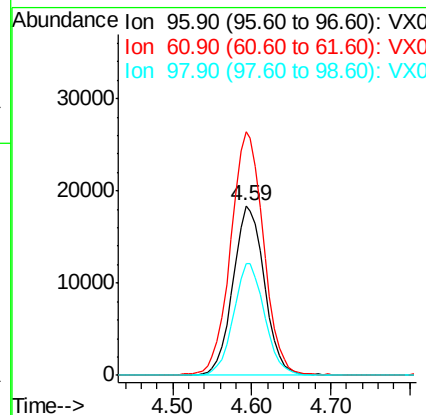
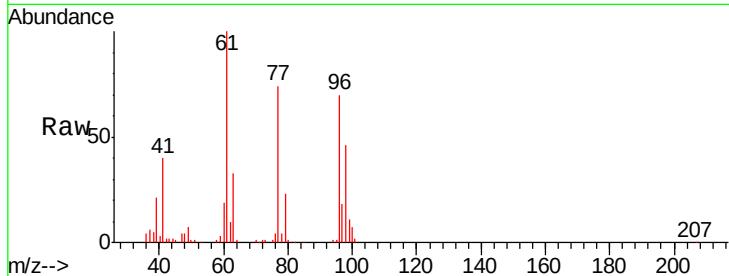
cis-1,2-Dichloroethene
Concen: 18.01 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	50902		
61	150.6	0.0	282.6	
98	65.3	0.0	130.2	

Manual Integrations
APPROVED

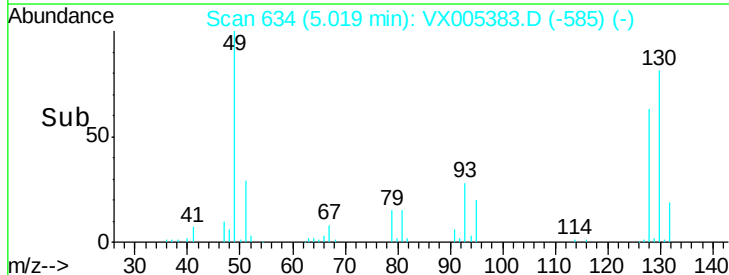
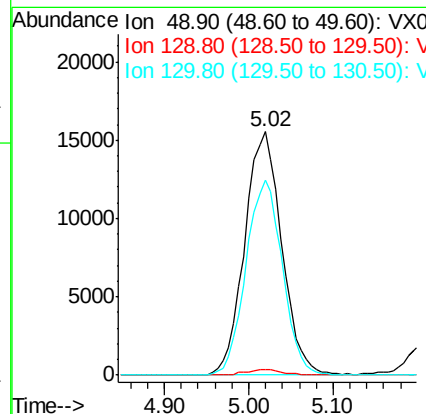
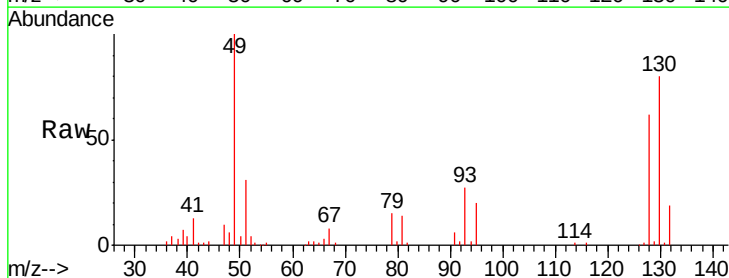
MMDadoda
10/19/2018 12:23:16 PM

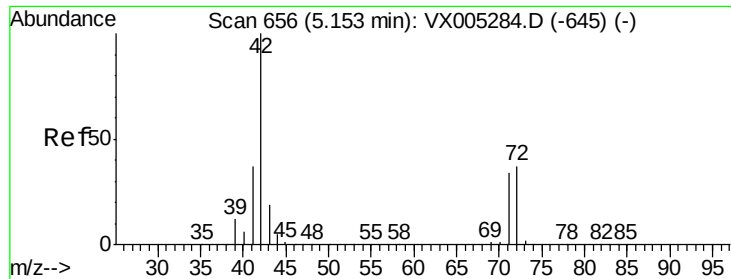


#28

Bromochloromethane
Concen: 20.48 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	46298		
129	2.2	0.0	4.2	
130	78.8	67.5	101.3	





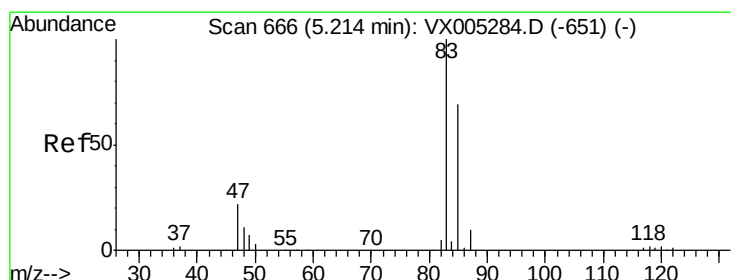
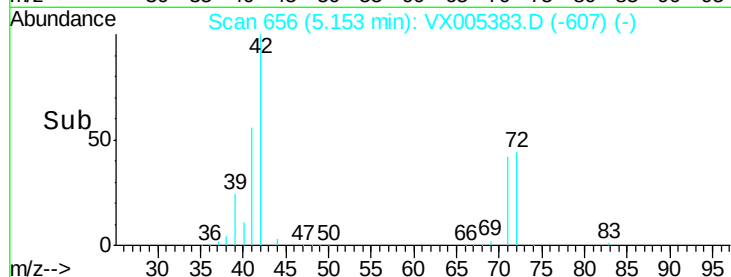
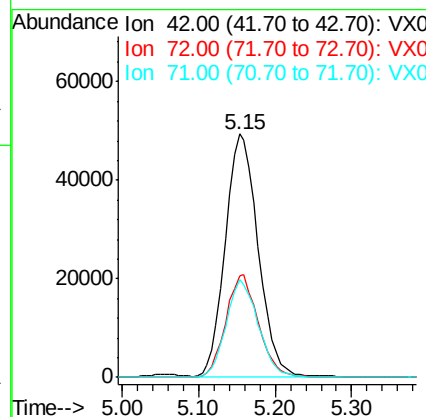
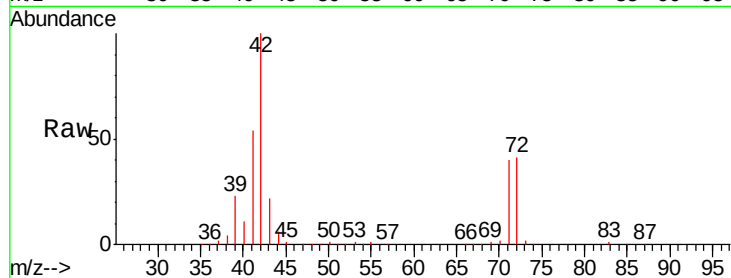
#29
Tetrahydrofuran
Concen: 90.77 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.3	37.4	56.0
71	39.8	34.5	51.7

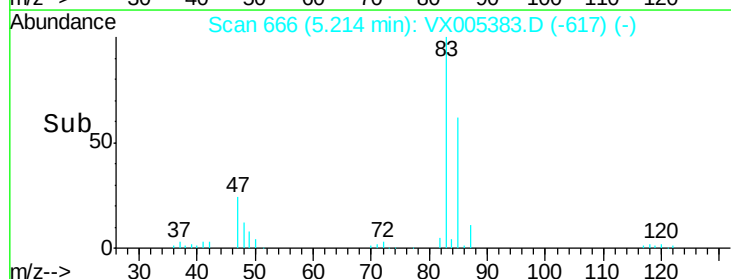
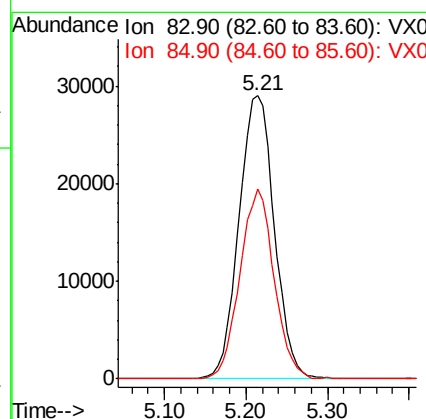
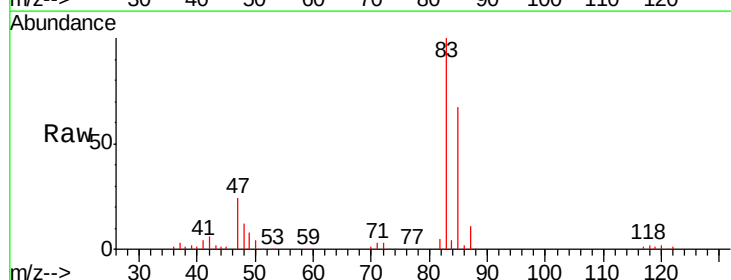
Manual Integrations
APPROVED

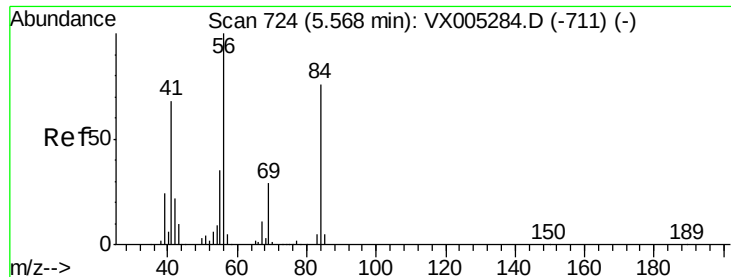
MMDadoda
10/19/2018 12:23:16 PM



#30
Chloroform
Concen: 18.97 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.6	79.0





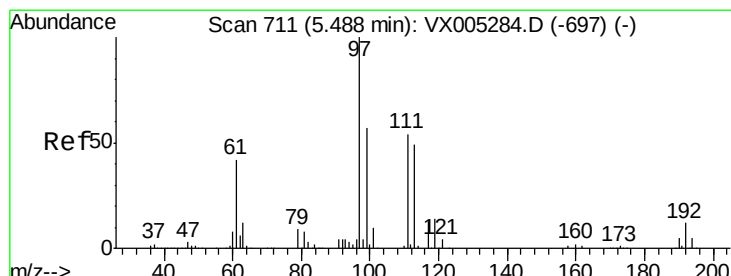
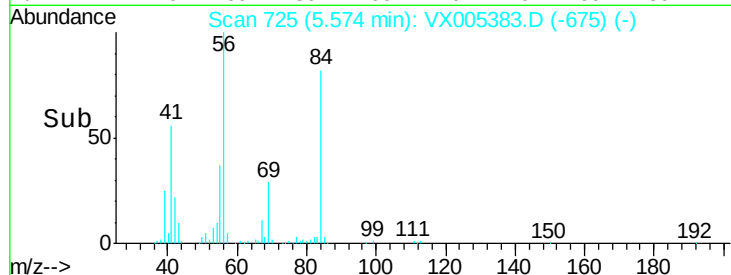
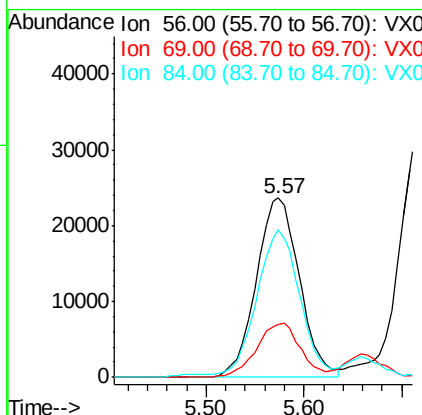
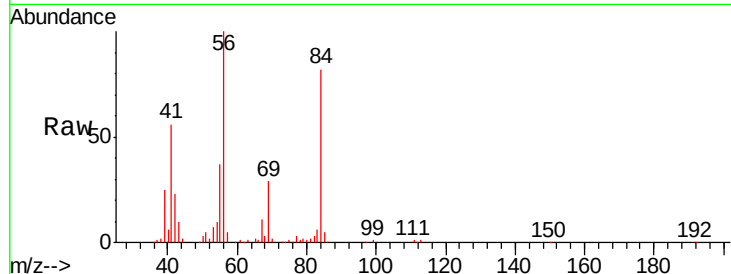
#31
Cyclohexane
Concen: 17.83 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion: 56 Resp: 72875
Ion Ratio Lower Upper
56 100
69 29.0 25.4 38.2
84 81.1 71.4 107.2

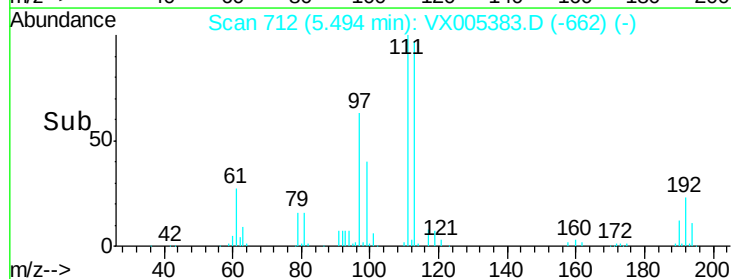
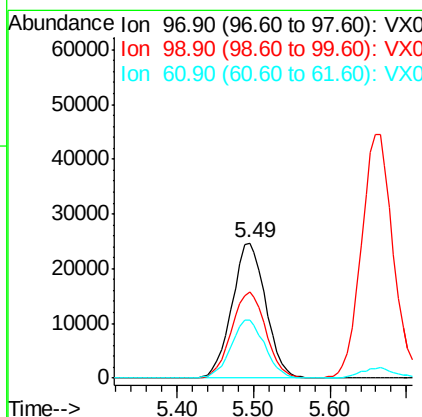
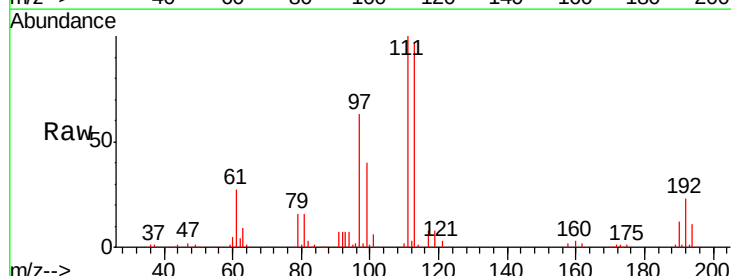
Manual Integrations
APPROVED

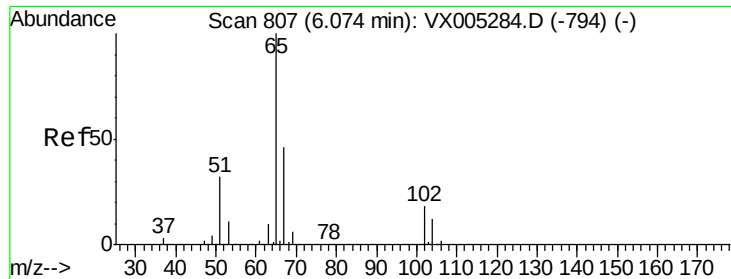
MMDadoda
10/19/2018 12:23:16 PM



#32
1,1,1-Trichloroethane
Concen: 18.83 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion: 97 Resp: 75403
Ion Ratio Lower Upper
97 100
99 64.9 52.0 78.0
61 43.2 34.9 52.3





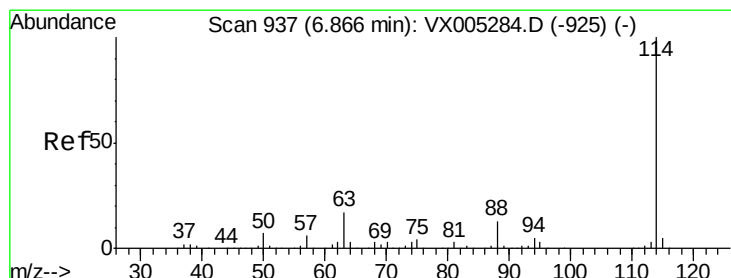
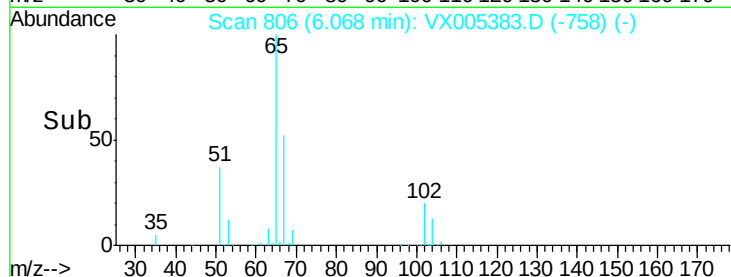
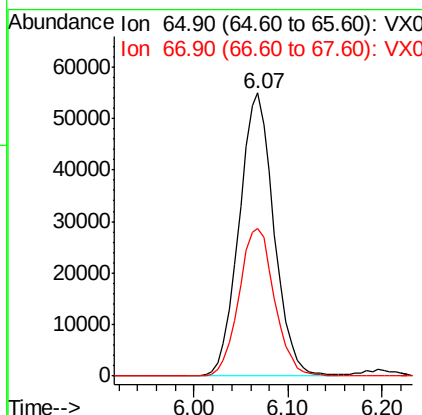
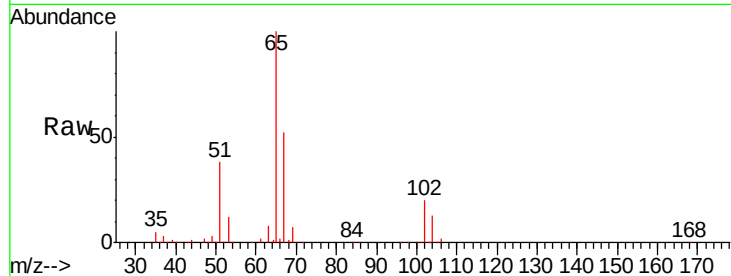
#33
 1,2-Dichloroethane-d4
 Concen: 47.75 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	141951		
67	53.4	0.0	106.8	

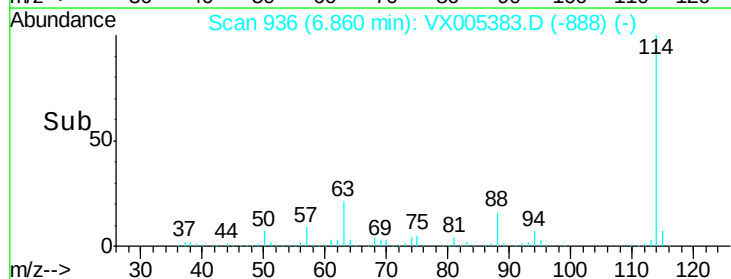
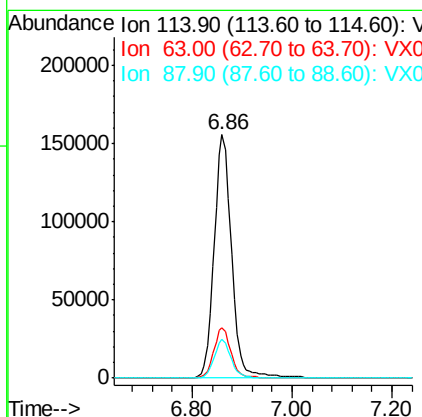
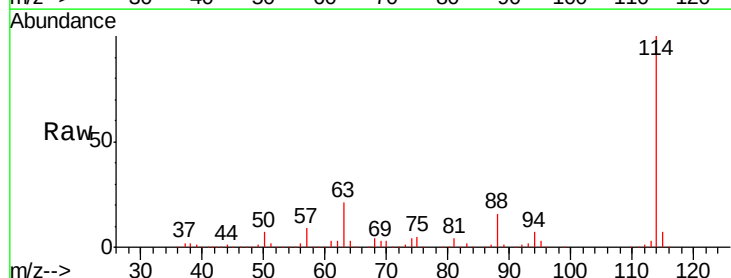
Manual Integrations
 APPROVED

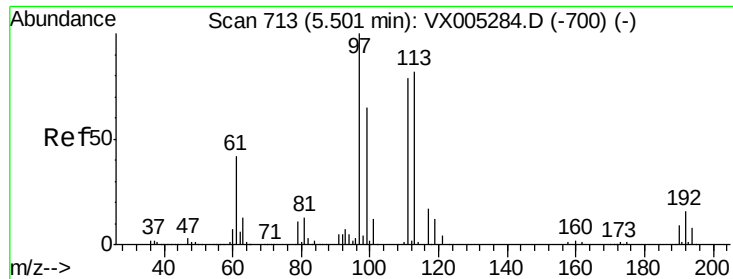
MMDadoda
 10/19/2018 12:23:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	380611		
63	20.7	0.0	39.0	
88	16.0	0.0	30.4	





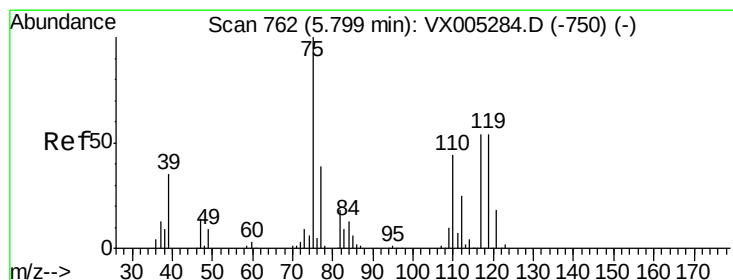
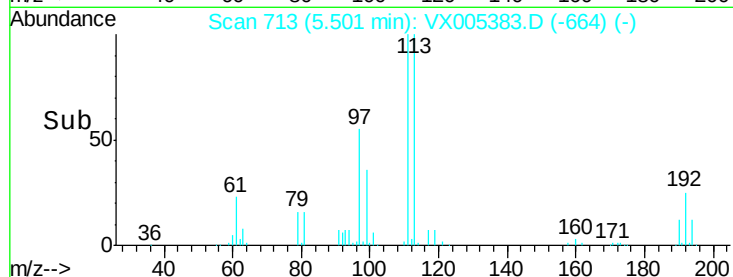
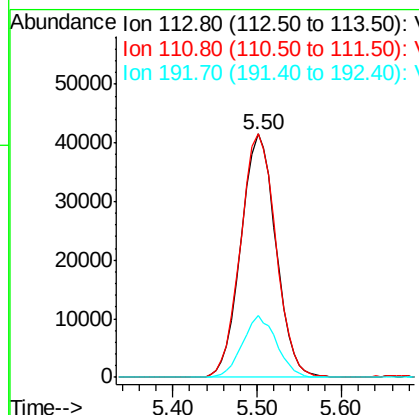
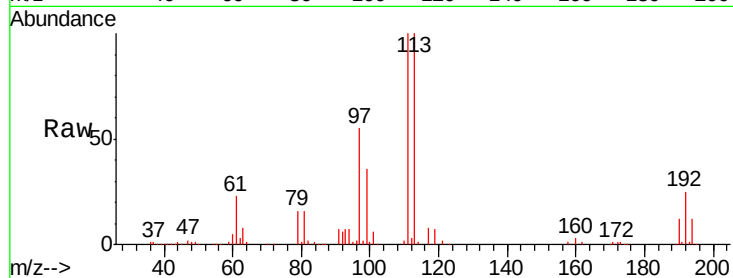
#35
 Dibromofluoromethane
 Concen: 46.26 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	116625		
111	101.2	82.4	123.6	
192	24.6	19.4	29.2	

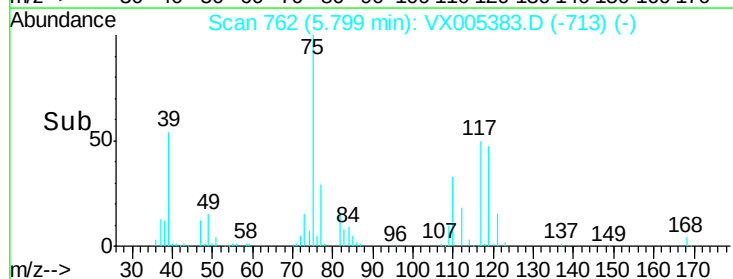
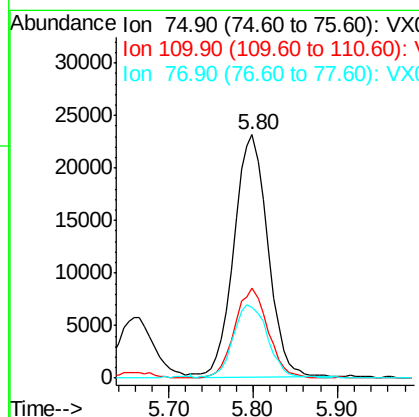
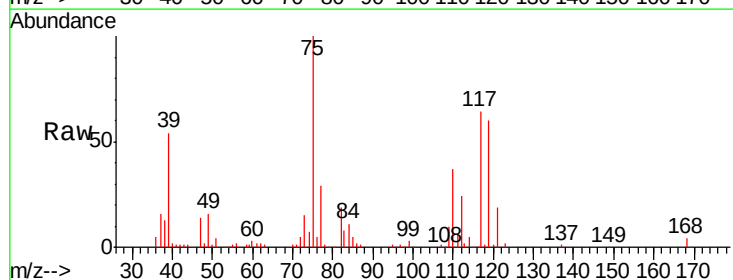
Manual Integrations
 APPROVED

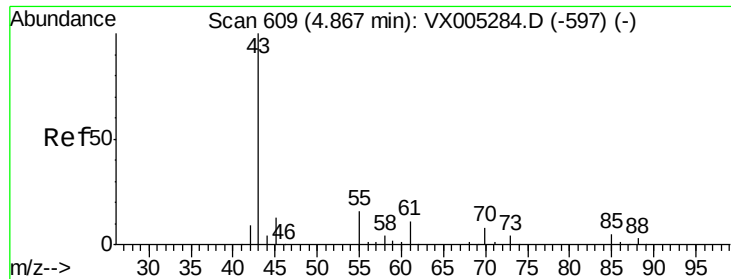
MMDadoda
 10/19/2018 12:23:16 PM



#36
 1,1-Dichloropropene
 Concen: 16.94 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62460		
110	36.7	18.0	54.0	
77	30.6	24.6	36.8	





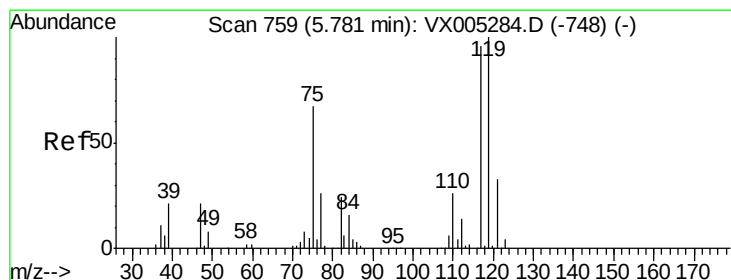
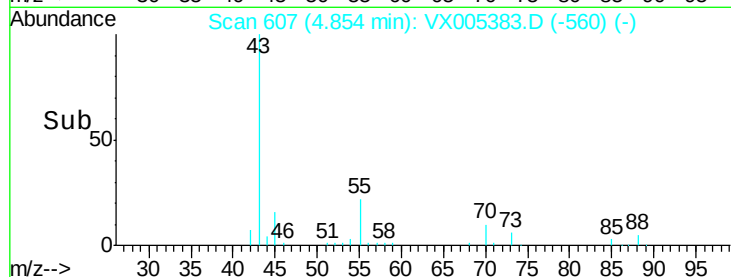
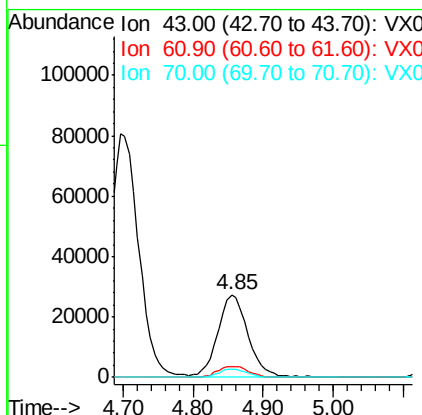
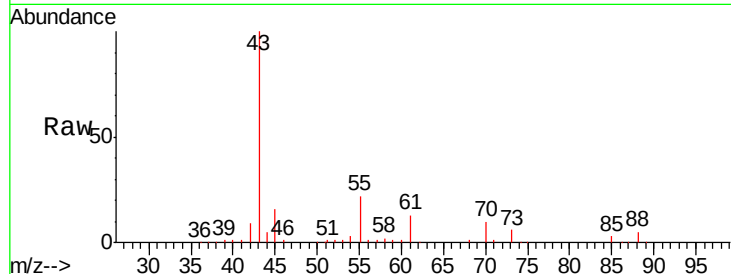
#37
Ethyl Acetate
Concen: 17.14 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion: 43 Resp: 81272
Ion Ratio Lower Upper
43 100
61 14.2 11.5 17.3
70 10.3 9.0 13.6

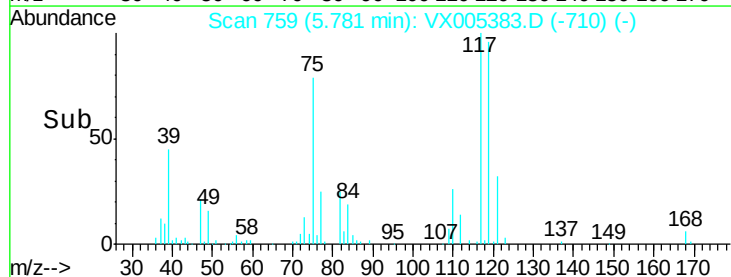
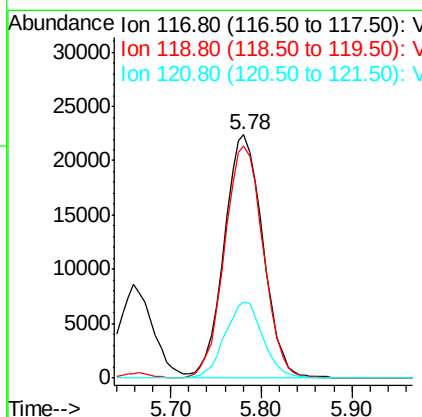
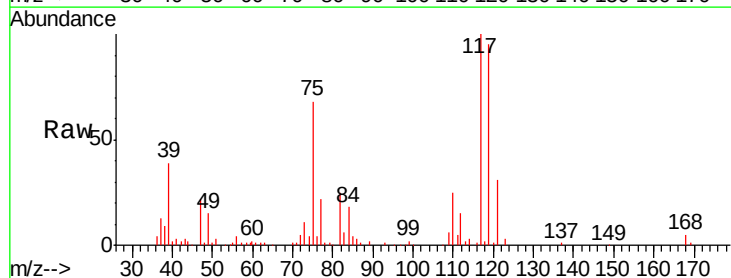
Manual Integrations
APPROVED

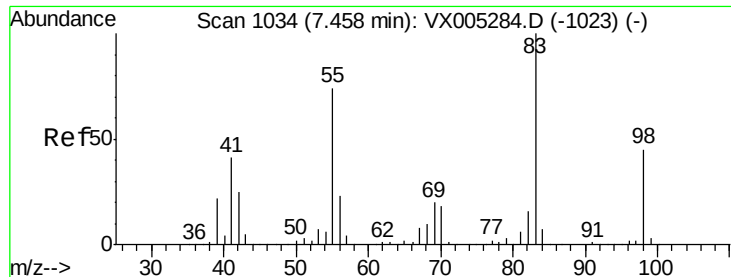
MMDadoda
10/19/2018 12:23:16 PM



#38
Carbon Tetrachloride
Concen: 17.92 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion: 117 Resp: 66378
Ion Ratio Lower Upper
117 100
119 95.1 78.8 118.2
121 31.3 24.9 37.3





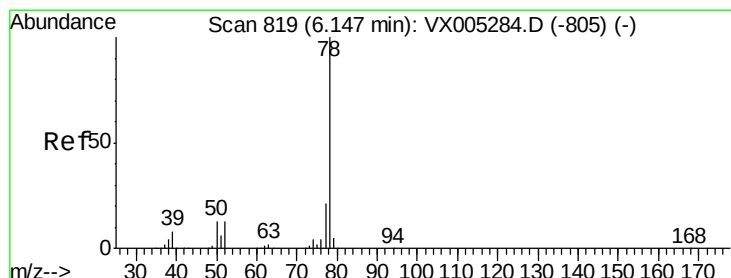
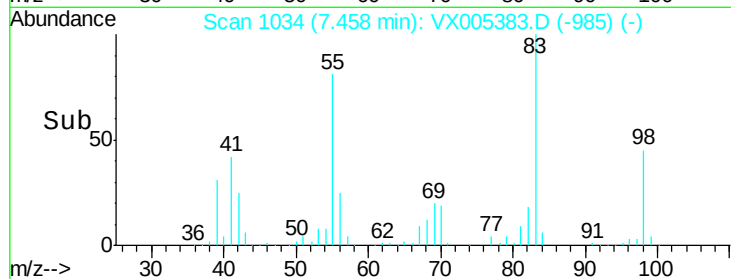
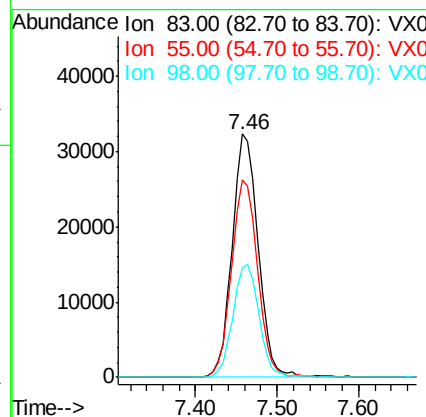
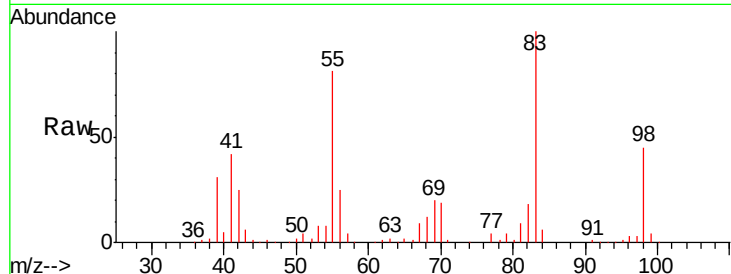
#39
Methylcyclohexane
Concen: 17.79 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.1	61.0	91.4
98	45.0	39.6	59.4

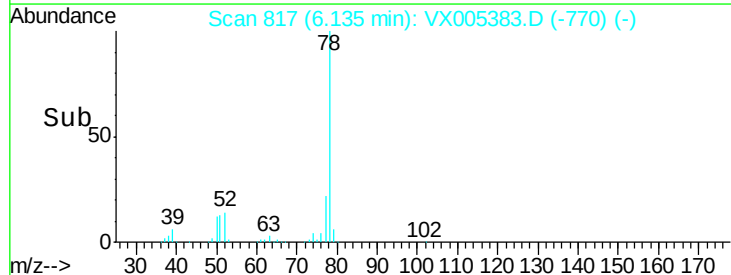
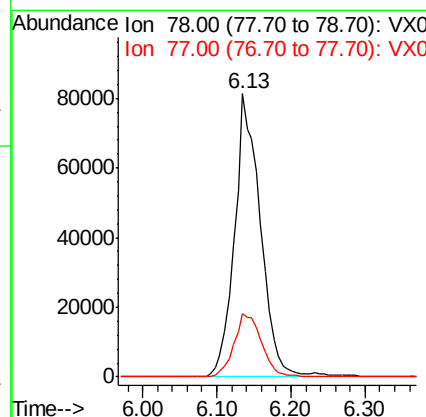
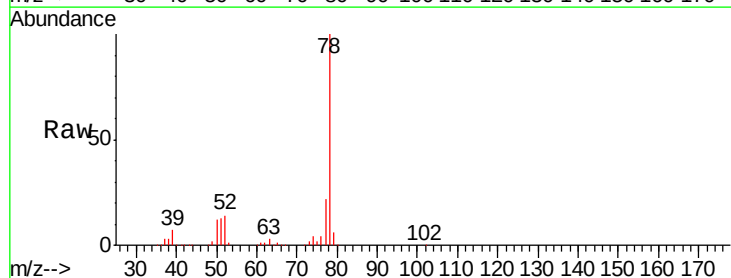
Manual Integrations
APPROVED

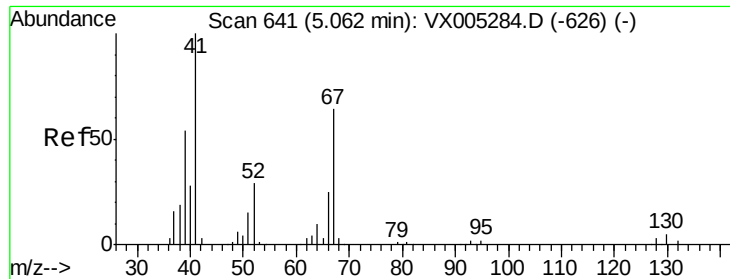
MMDadoda
10/19/2018 12:23:16 PM



#40
Benzene
Concen: 17.93 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.0	28.4





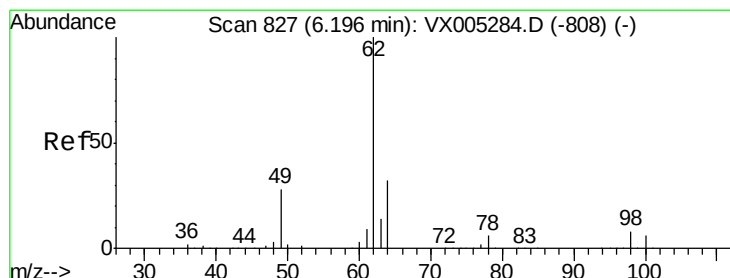
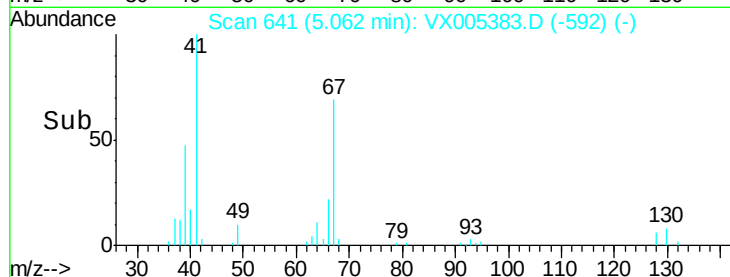
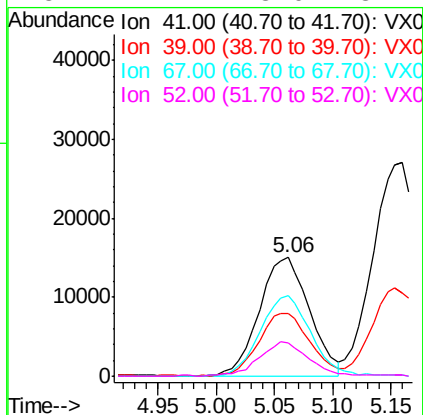
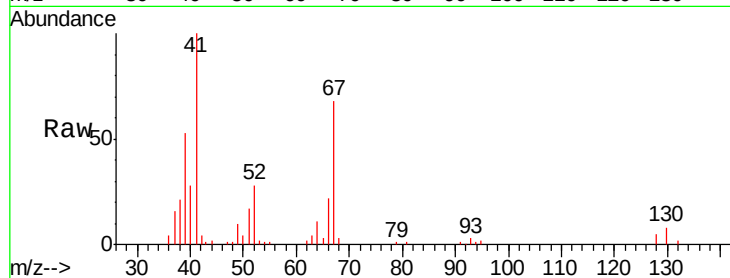
#41
Methacrylonitrile
Concen: 17.78 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	42.4	63.6	
67	68.5	59.2	88.8	
52	27.7	23.0	34.4	

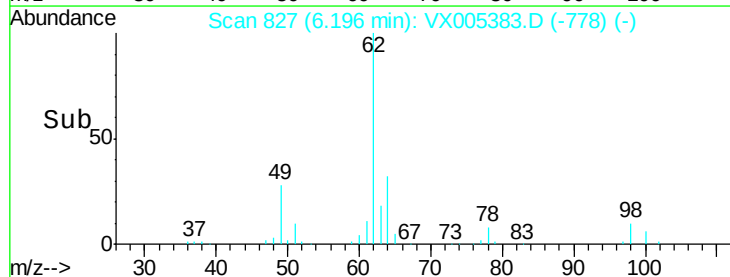
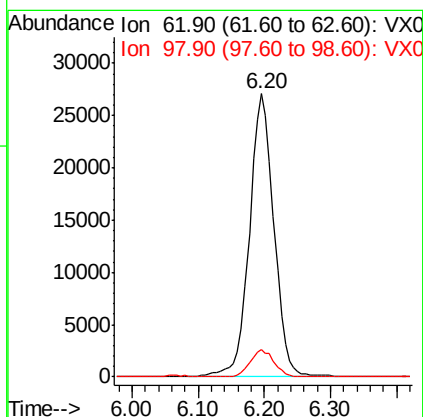
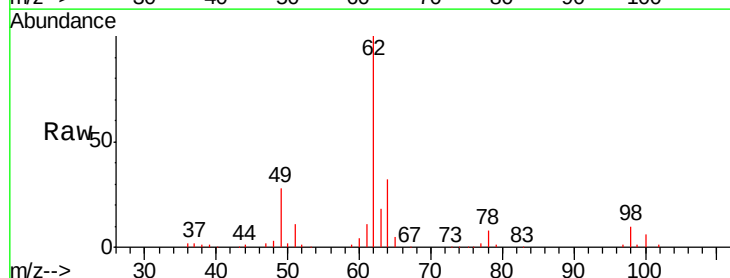
Manual Integrations
APPROVED

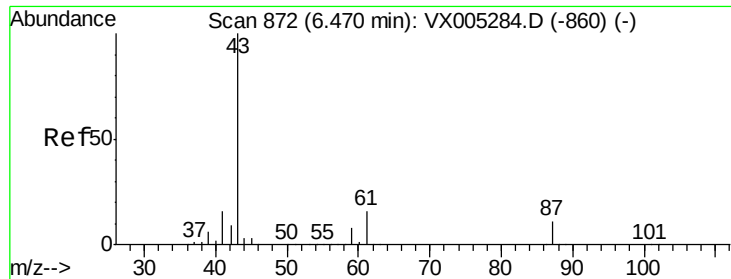
MMDadoda
10/19/2018 12:23:16 PM



#42
1,2-Dichloroethane
Concen: 17.96 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	20.6	





#43

Isopropyl Acetate

Concen: 18.87 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

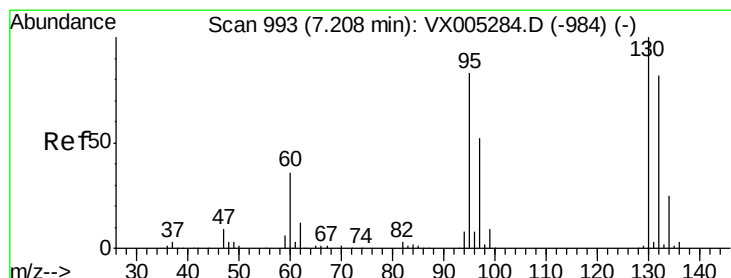
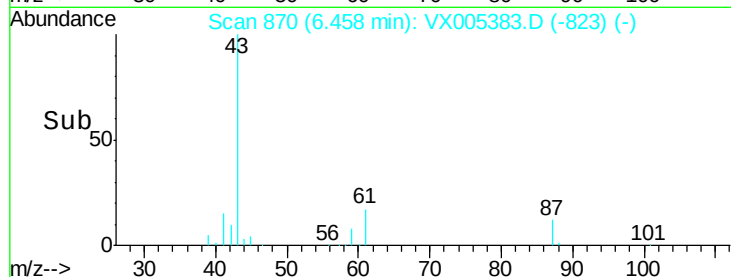
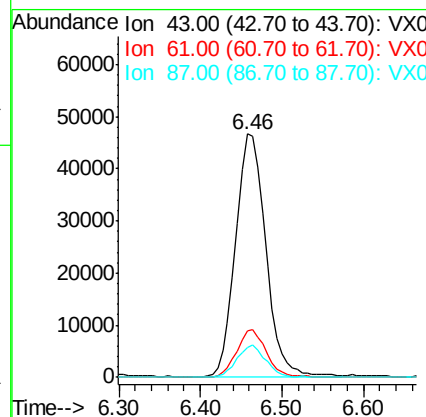
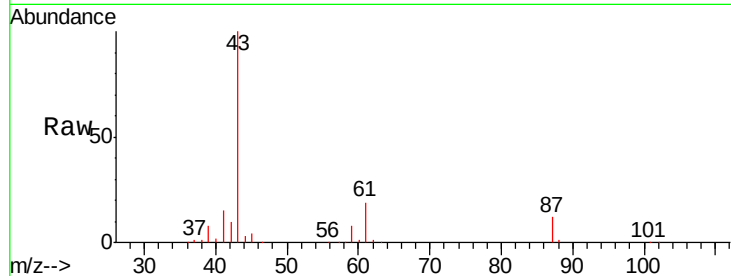
ClientSampleId :

VX1017WBS01

Tgt Ion:	43	Resp:	119178
Ion Ratio		Lower	Upper
43	100		
61	19.5	17.0	25.4
87	12.8	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:16 PM



#44

Trichloroethene

Concen: 19.01 ug/l

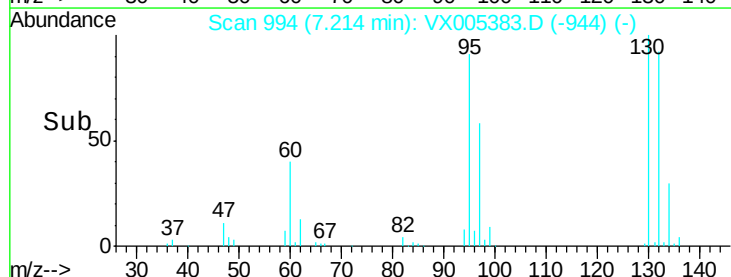
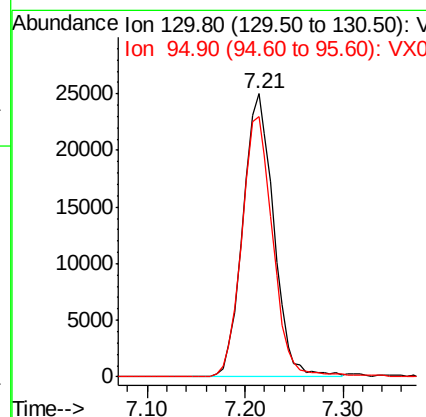
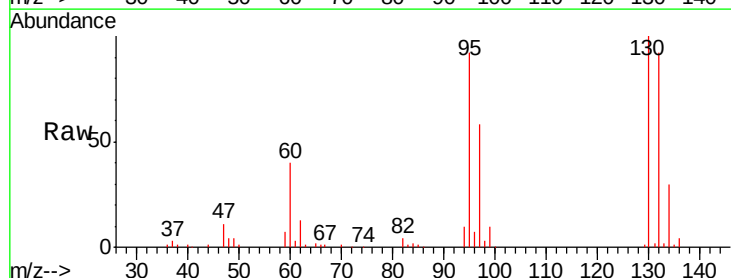
RT: 7.21 min Scan# 994

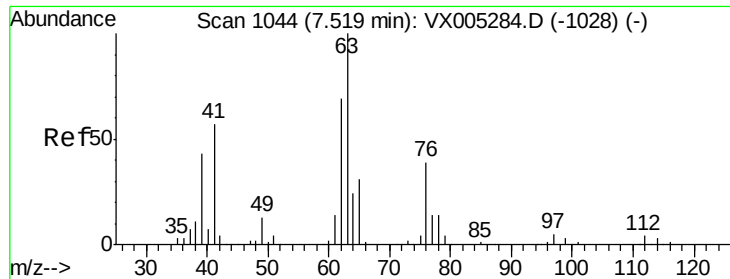
Delta R.T. 0.01 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Tgt Ion:	130	Resp:	54776
Ion Ratio		Lower	Upper
130	100		
95	92.1	0.0	181.6





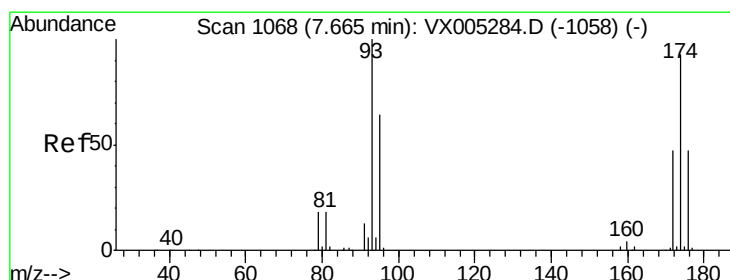
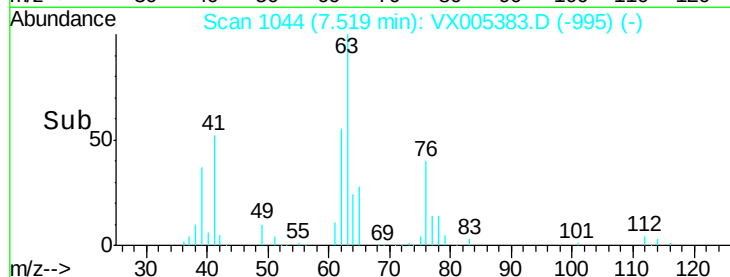
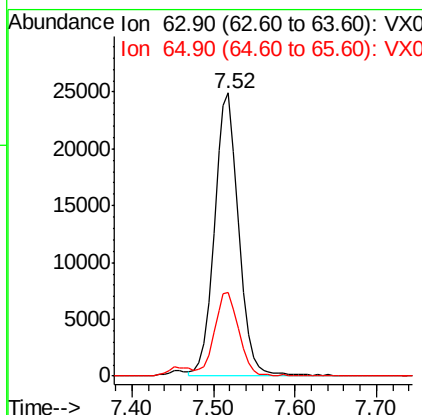
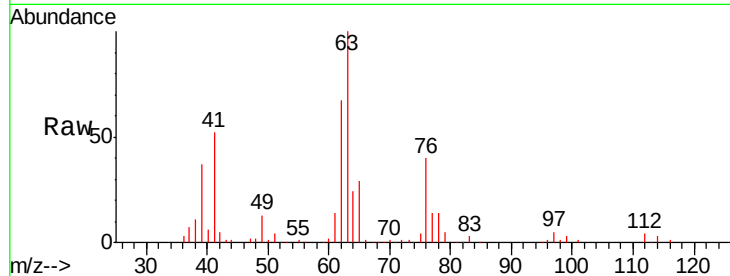
#45
 1,2-Dichloropropane
 Concen: 19.09 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS01

Tgt Ion: 63 Resp: 51788
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.3 36.5

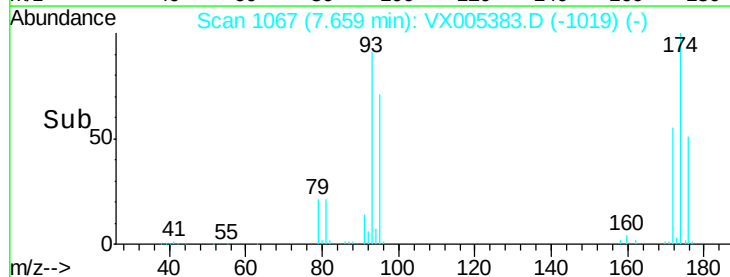
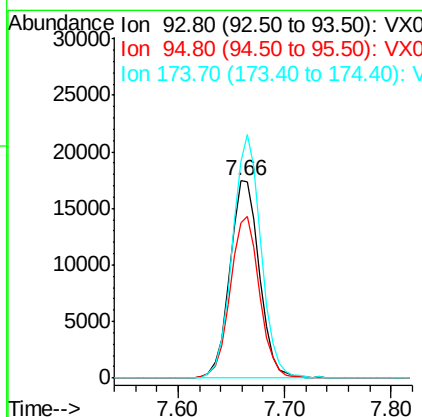
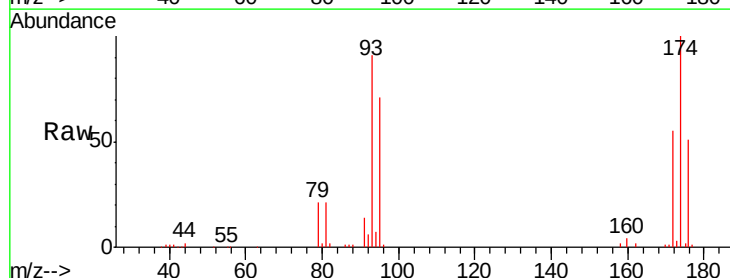
Manual Integrations
 APPROVED

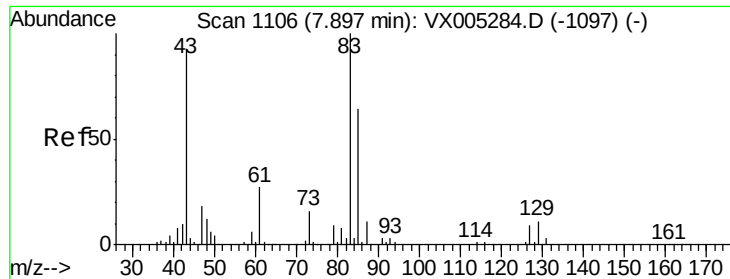
MMDadoda
 10/19/2018 12:23:16 PM



#46
 Dibromomethane
 Concen: 19.02 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Tgt Ion: 93 Resp: 34046
 Ion Ratio Lower Upper
 93 100
 95 81.1 65.5 98.3
 174 118.6 94.2 141.4





#47

Bromodichloromethane

Concen: 19.27 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

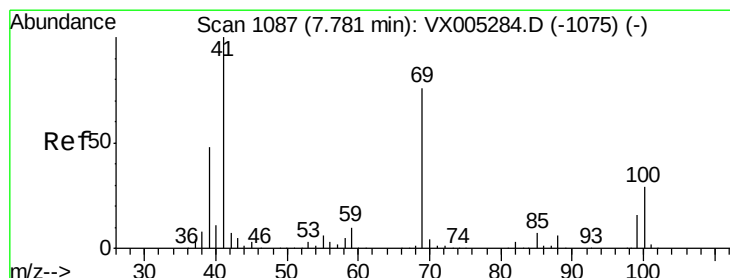
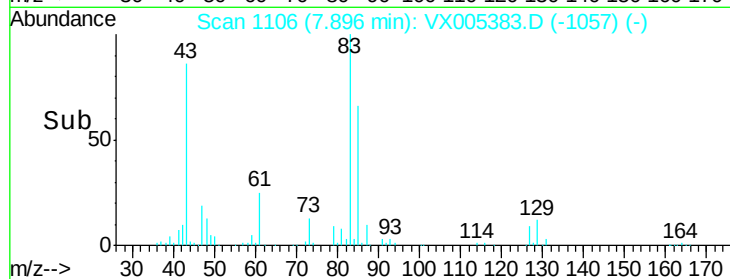
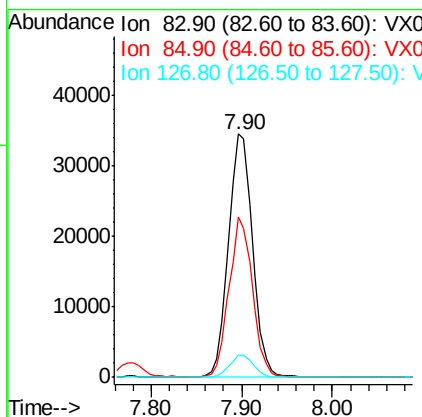
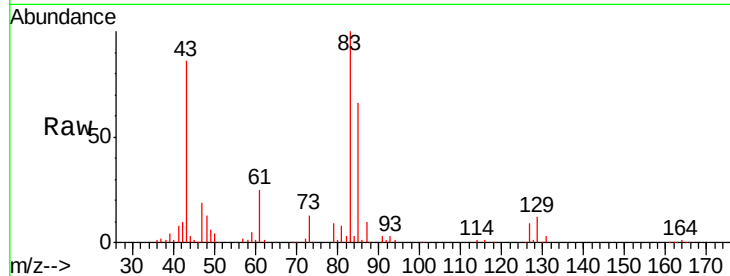
ClientSampleId :

VX1017WBS01

Tgt Ion:	83	Resp:	63808
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.9	76.3
127	8.9	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:16 PM



#48

Methyl methacrylate

Concen: 19.02 ug/l

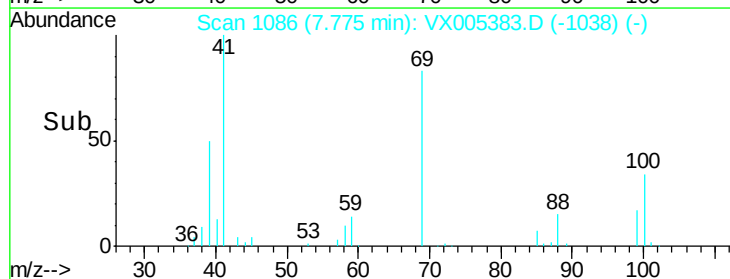
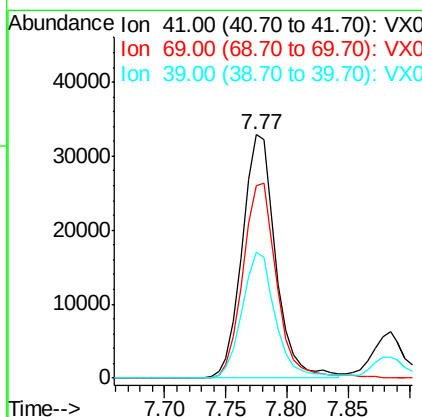
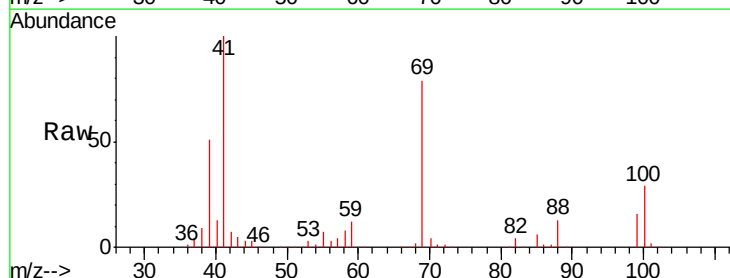
RT: 7.77 min Scan# 1086

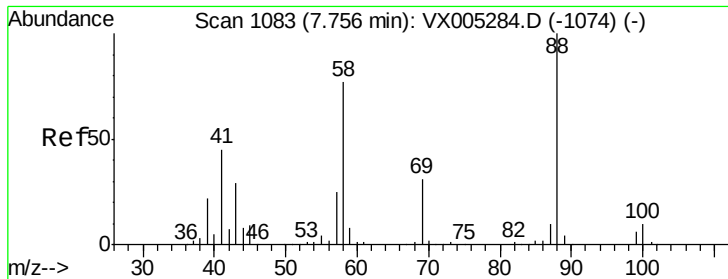
Delta R.T. -0.01 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Tgt Ion:	41	Resp:	62303
Ion	Ratio	Lower	Upper
41	100		
69	81.9	70.2	105.4
39	52.1	42.7	64.1





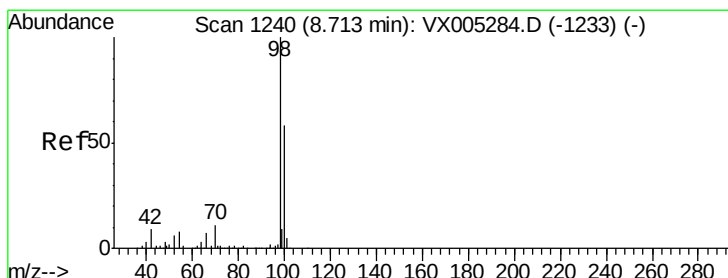
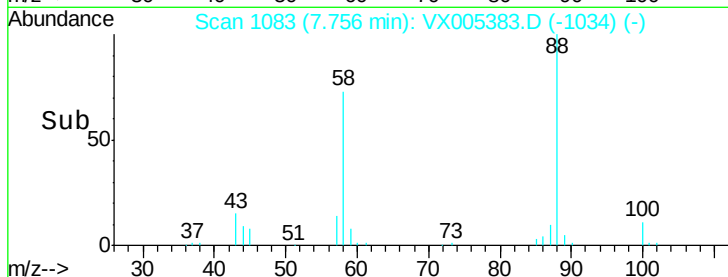
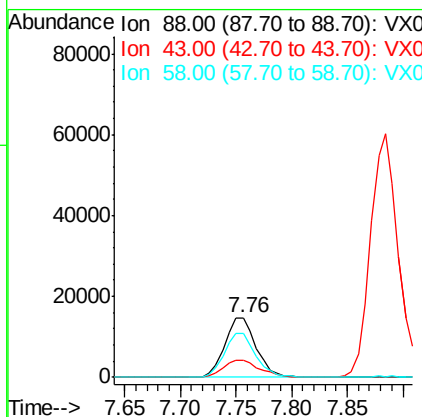
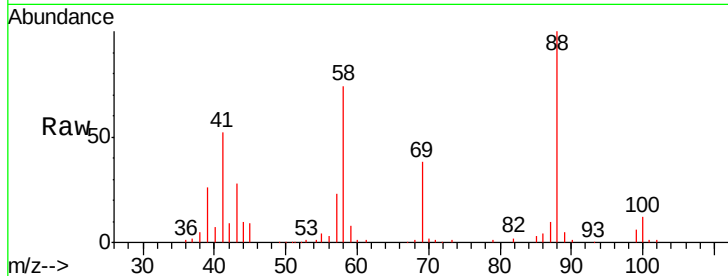
#49
1,4-Dioxane
Concen: 382.56 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.9	24.7	37.1
58	74.7	55.3	82.9

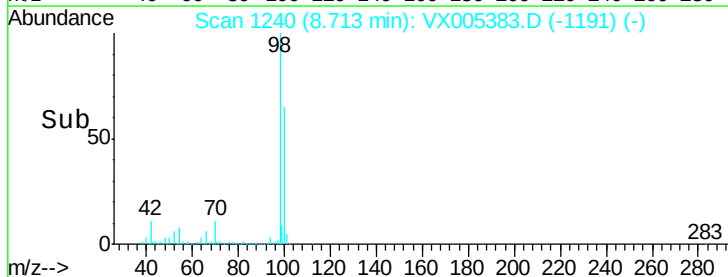
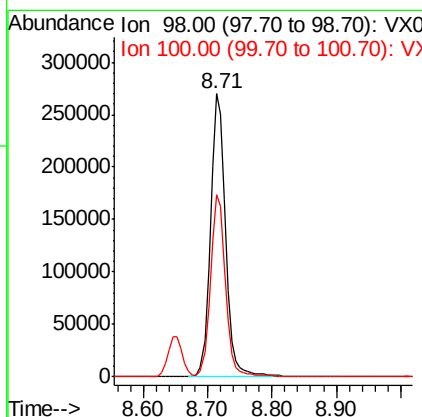
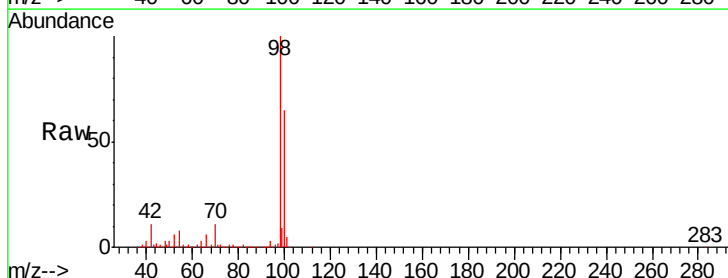
Manual Integrations
APPROVED

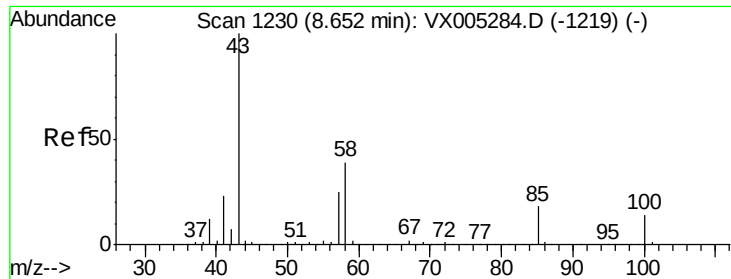
MMDadoda
10/19/2018 12:23:16 PM



#50
Toluene-d8
Concen: 51.11 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.9	79.3





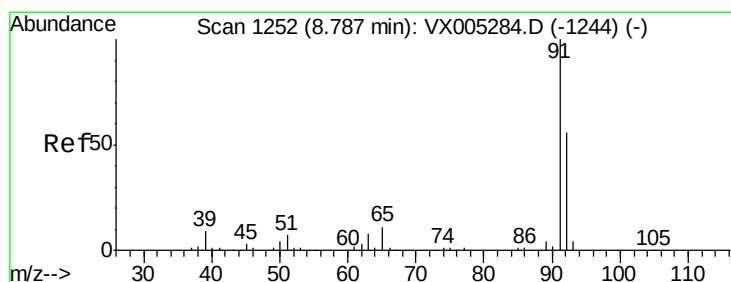
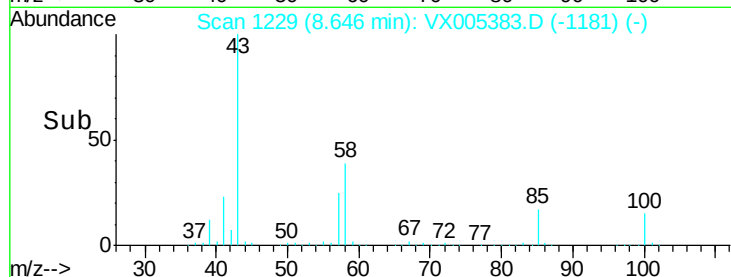
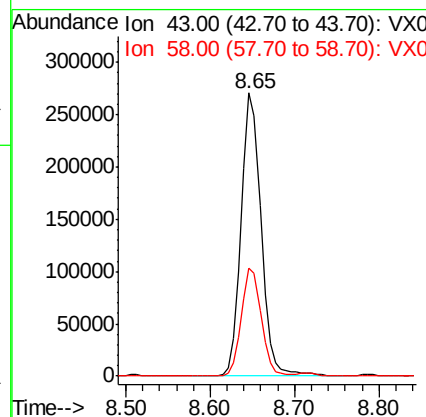
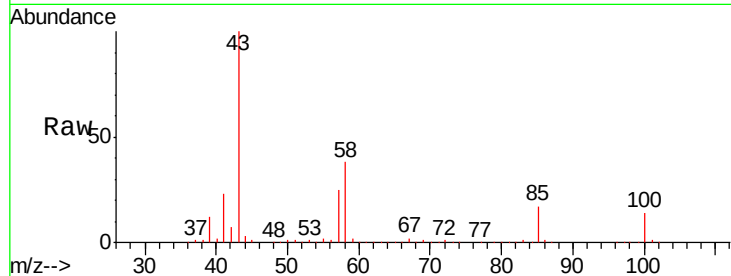
#51
4-Methyl-2-Pentanone
Concen: 98.74 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion: 43 Resp: 431727
Ion Ratio Lower Upper
43 100
58 37.9 33.1 49.7

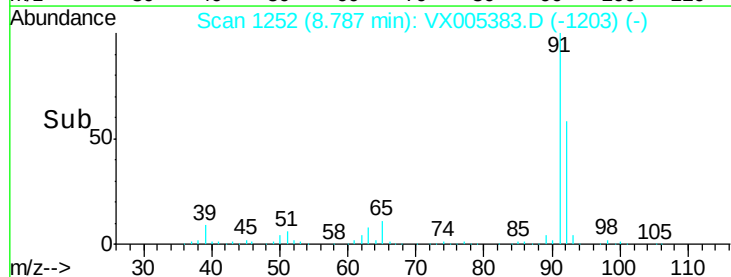
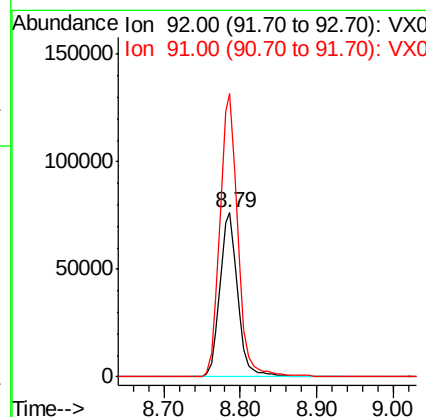
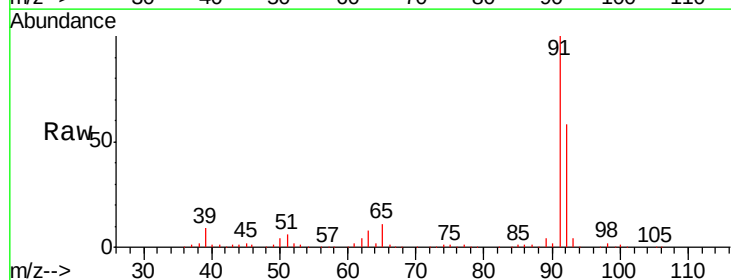
Manual Integrations
APPROVED

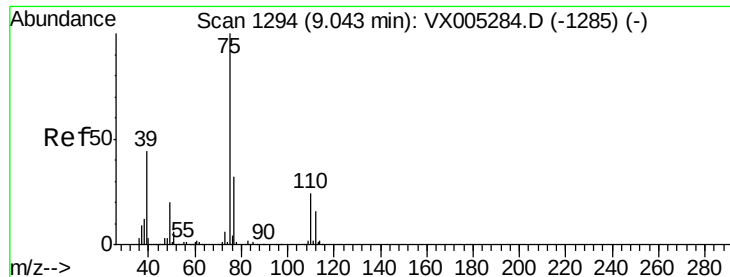
MMDadoda
10/19/2018 12:23:16 PM



#52
Toluene
Concen: 20.43 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion: 92 Resp: 123596
Ion Ratio Lower Upper
92 100
91 173.4 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.49 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion: 75 Resp: 69835

Ion Ratio Lower Upper

75 100

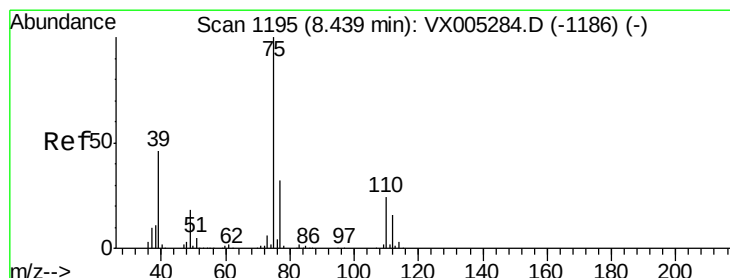
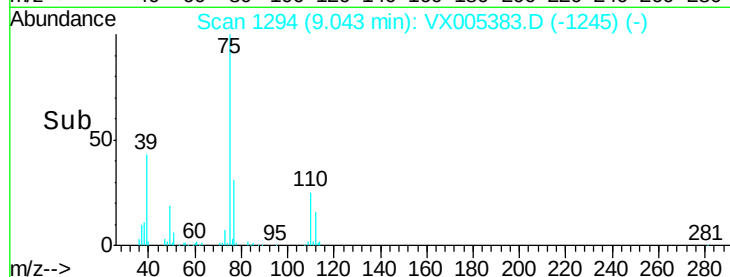
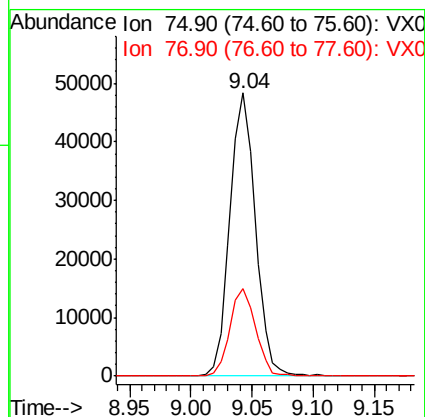
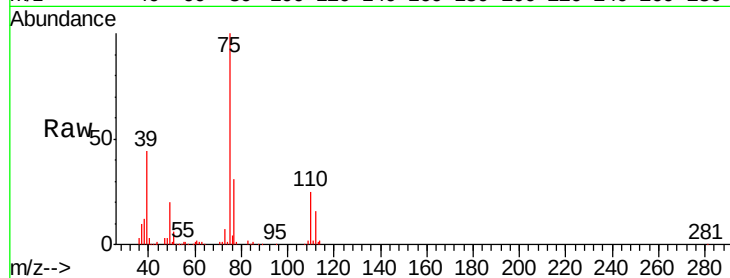
77 30.8 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:16 PM



#54

cis-1,3-Dichloropropene

Concen: 19.78 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

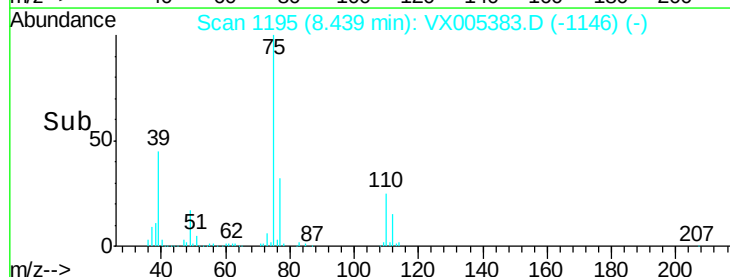
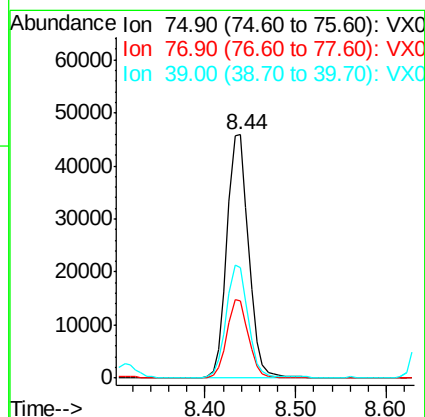
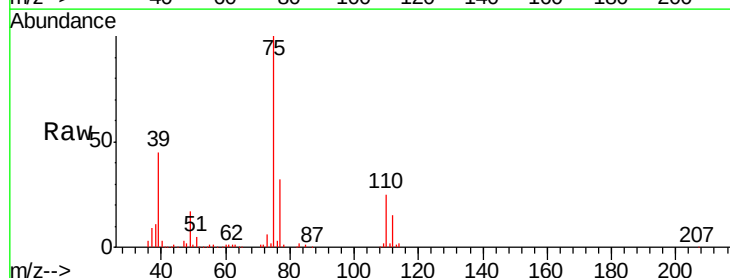
Tgt Ion: 75 Resp: 76821

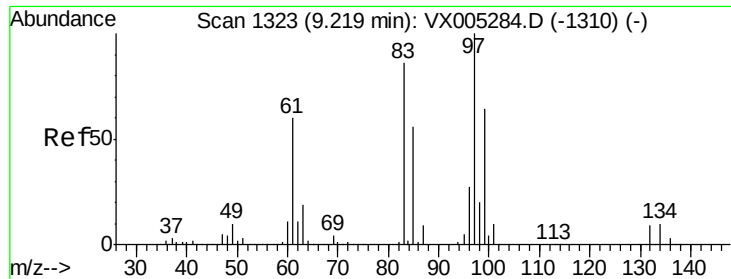
Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2

39 44.9 36.4 54.6





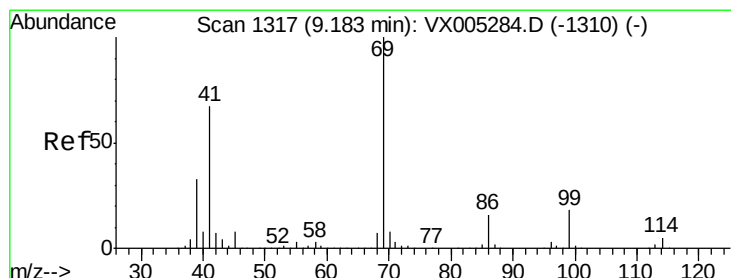
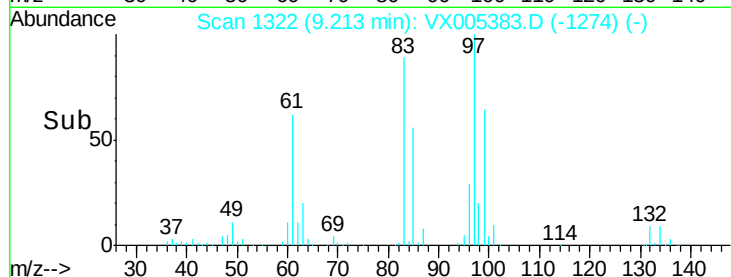
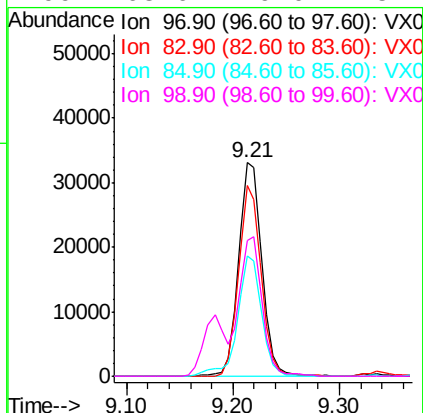
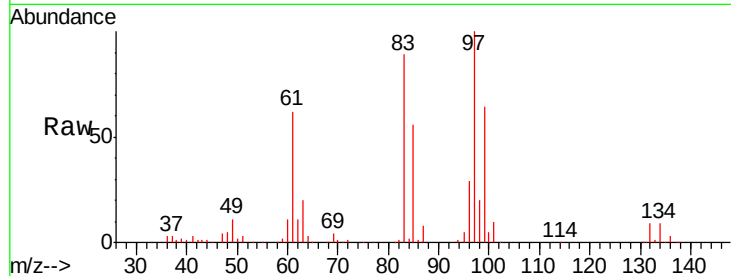
#55
 1,1,2-Trichloroethane
 Concen: 19.89 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	50958		
83	89.1	66.4	99.6	
85	56.4	43.3	64.9	
99	63.6	49.0	73.4	

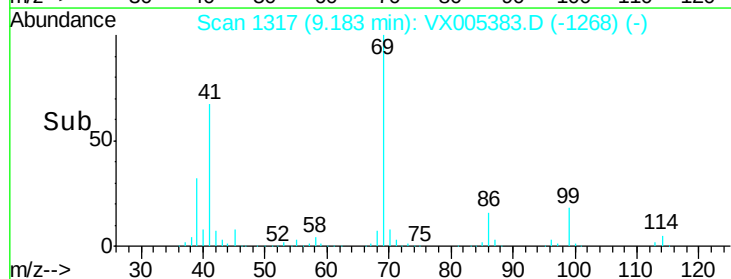
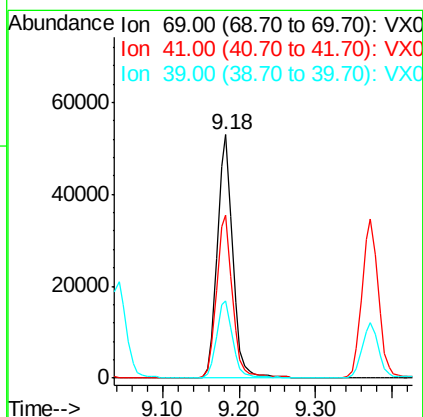
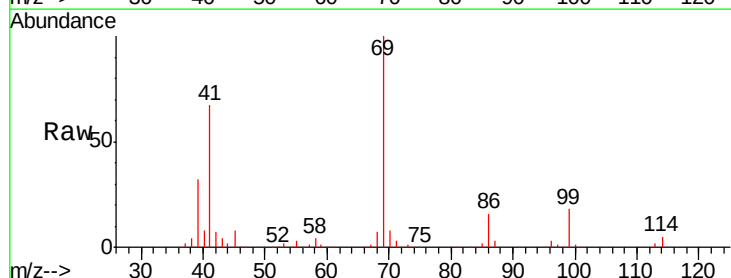
Manual Integrations
 APPROVED

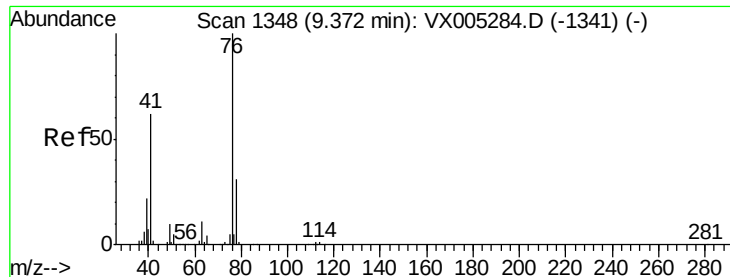
MMDadoda
 10/19/2018 12:23:16 PM



#56
 Ethyl methacrylate
 Concen: 19.91 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	74355		
41	68.3	51.0	76.4	
39	32.9	26.1	39.1	





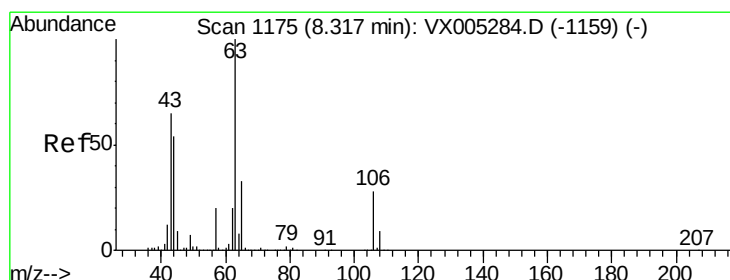
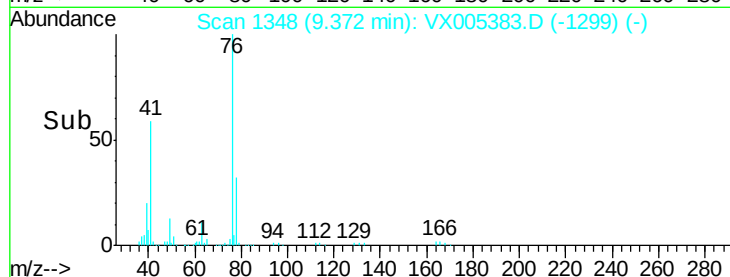
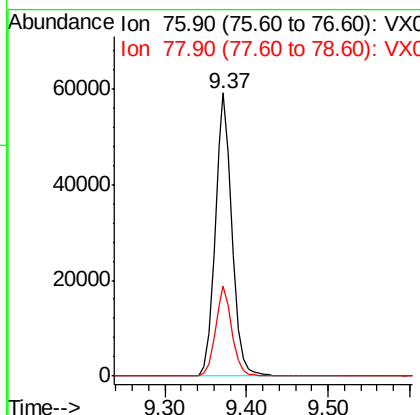
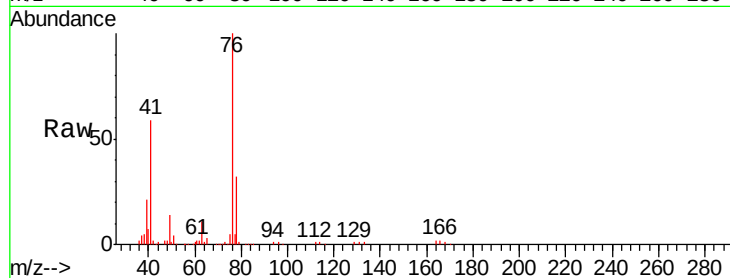
#57
 1,3-Dichloropropane
 Concen: 19.97 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.5	38.3

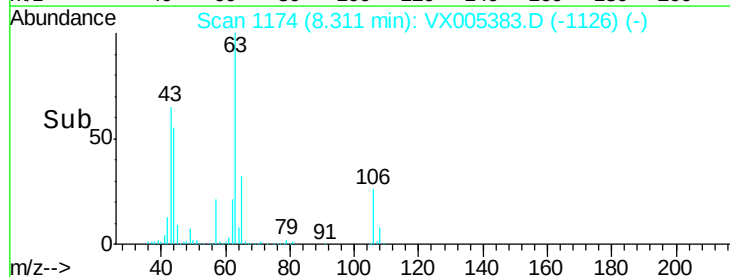
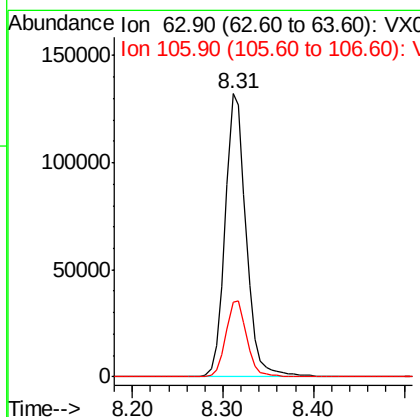
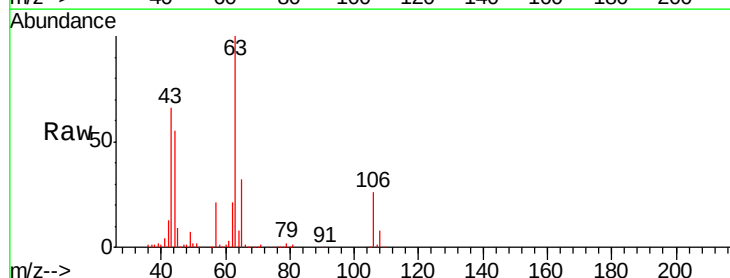
Manual Integrations
 APPROVED

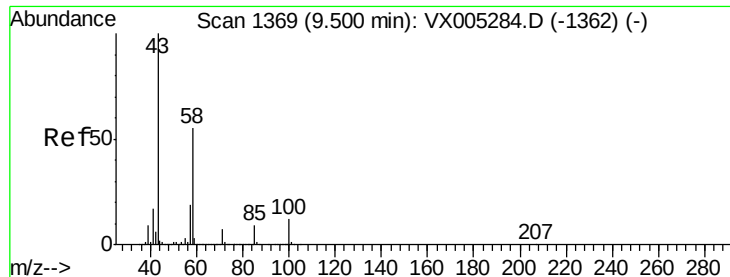
MMDadoda
 10/19/2018 12:23:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.04 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	23.9	35.9





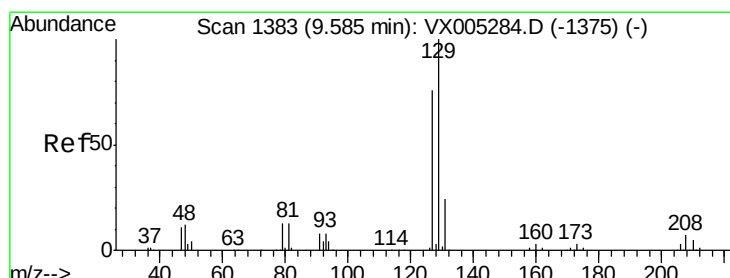
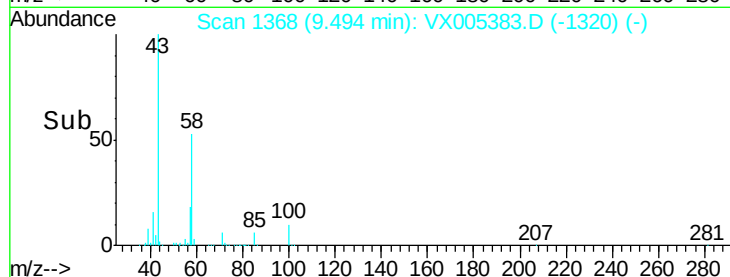
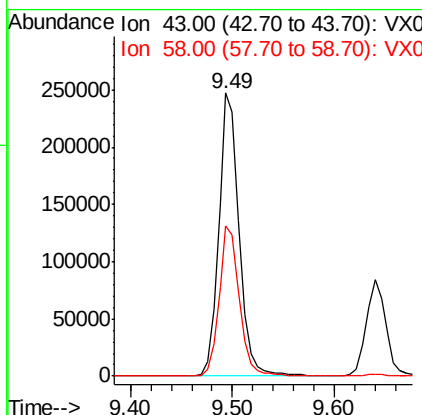
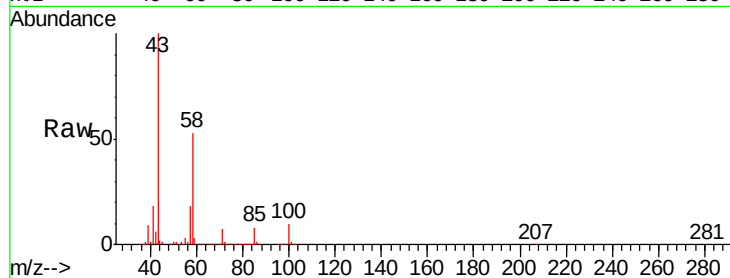
#59
2-Hexanone
Concen: 97.85 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion: 43 Resp: 344155
Ion Ratio Lower Upper
43 100
58 53.2 29.0 87.0

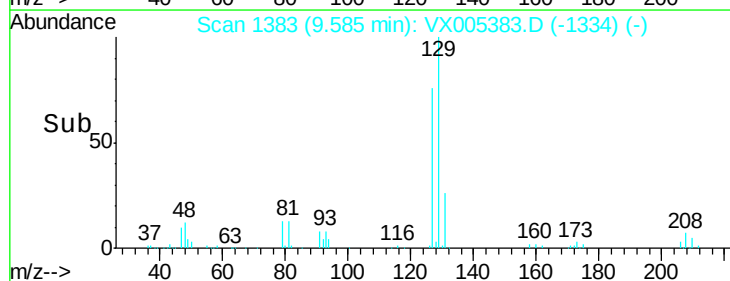
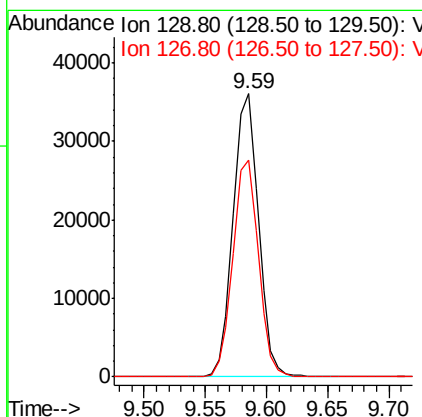
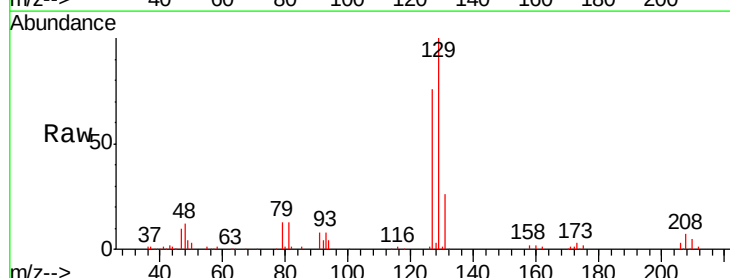
Manual Integrations
APPROVED

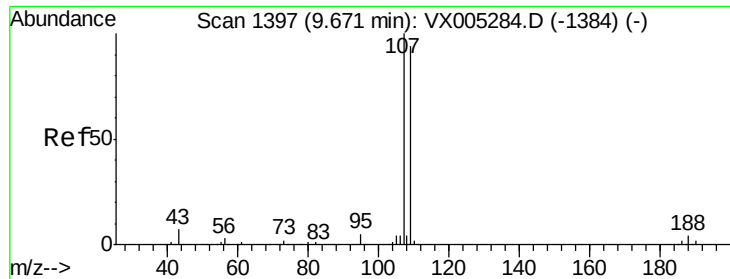
MMDadoda
10/19/2018 12:23:16 PM



#60
Dibromochloromethane
Concen: 19.55 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion: 129 Resp: 51779
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.80 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion: 107 Resp: 53236

Ion Ratio Lower Upper

107 100

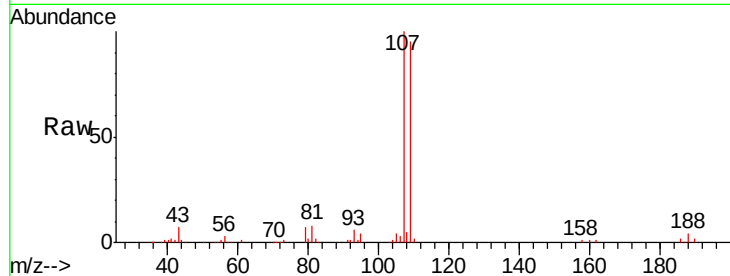
109 95.4 76.0 114.0

Manual Integrations

APPROVED

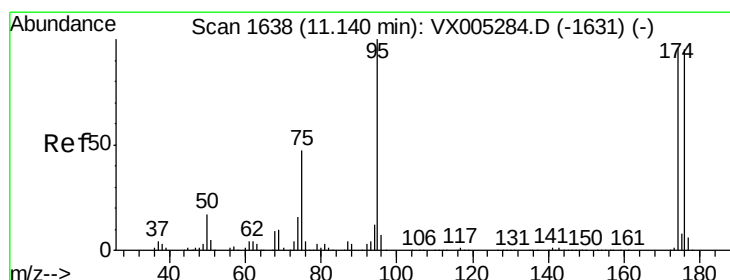
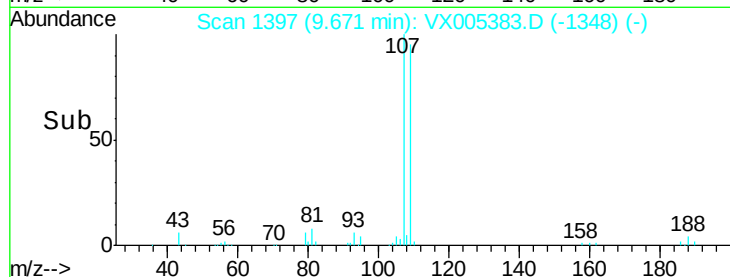
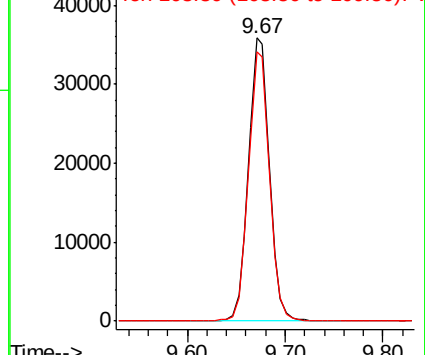
MMDadoda

10/19/2018 12:23:16 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.12 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

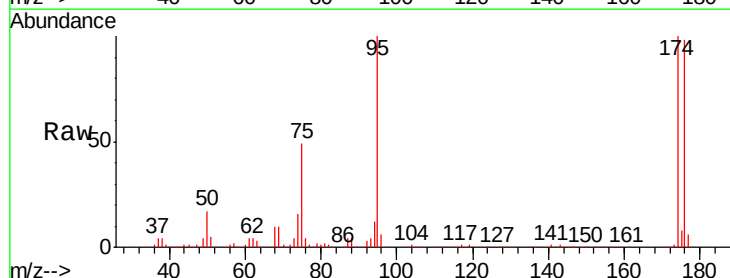
Tgt Ion: 95 Resp: 162935

Ion Ratio Lower Upper

95 100

174 95.8 0.0 185.2

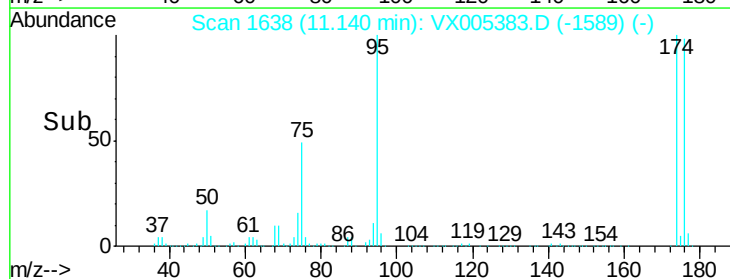
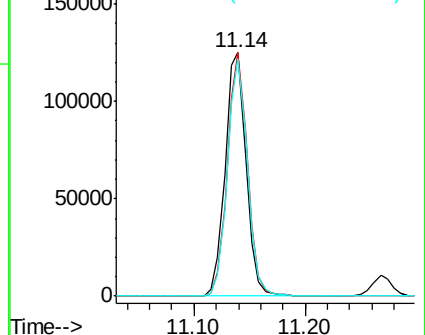
176 93.2 0.0 178.6

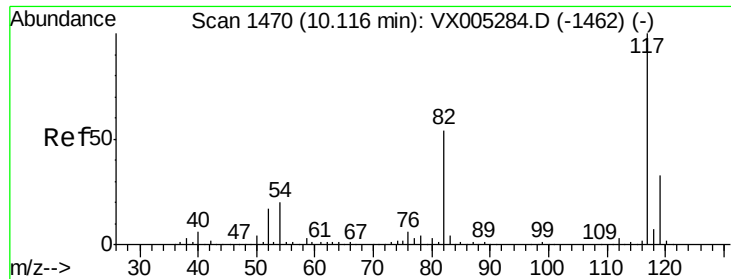


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion:117 Resp: 355133

Ion Ratio Lower Upper

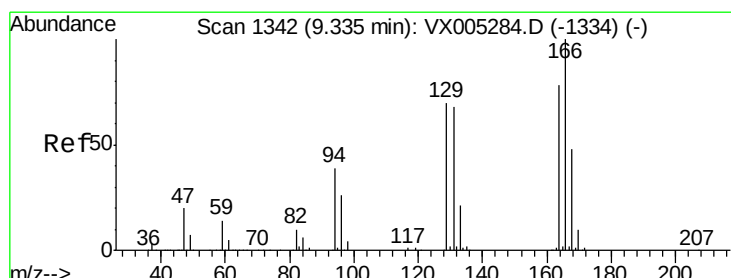
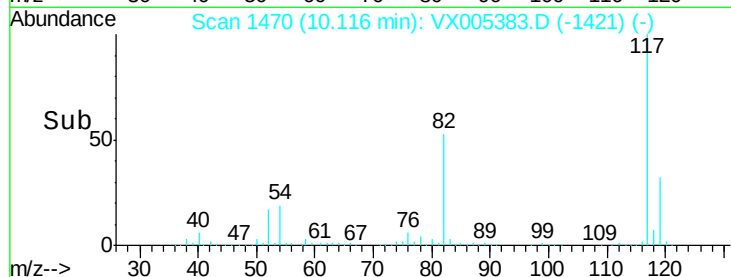
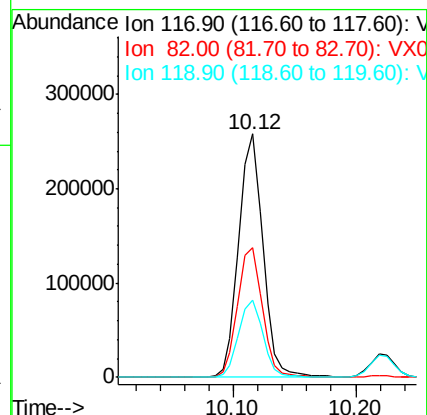
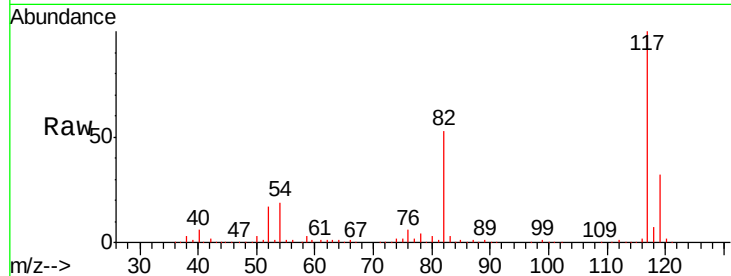
117 100

82 53.3 47.8 71.6

119 31.7 29.3 43.9

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:16 PM



#64

Tetrachloroethene

Concen: 19.80 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Tgt Ion:164 Resp: 56613

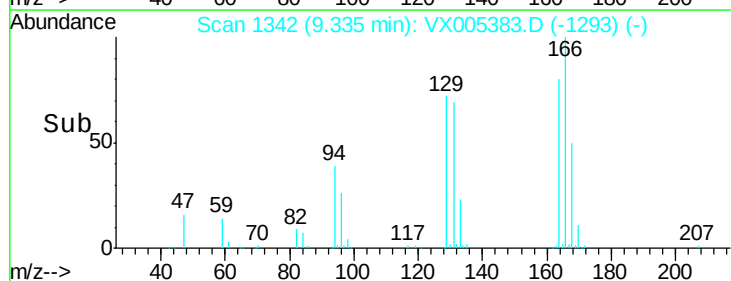
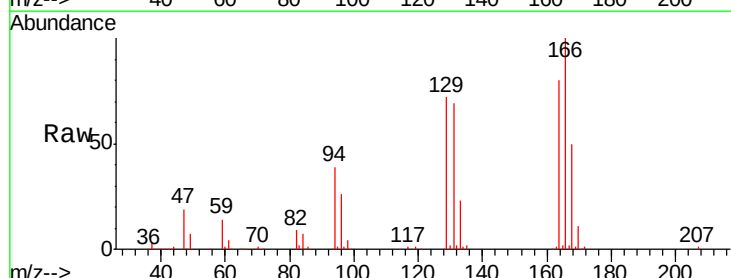
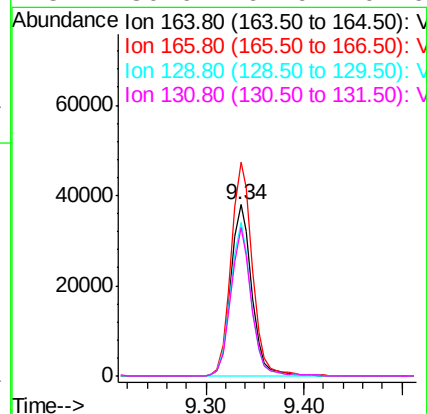
Ion Ratio Lower Upper

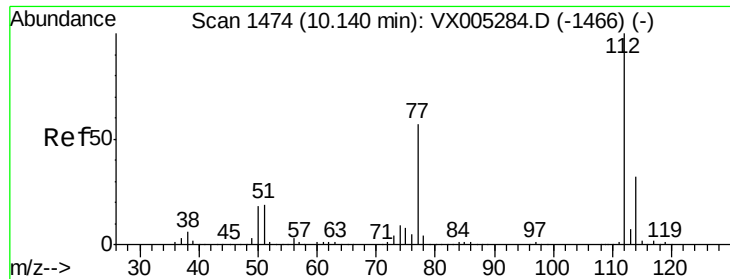
164 100

166 124.9 102.8 154.2

129 90.1 69.4 104.0

131 86.6 67.9 101.9





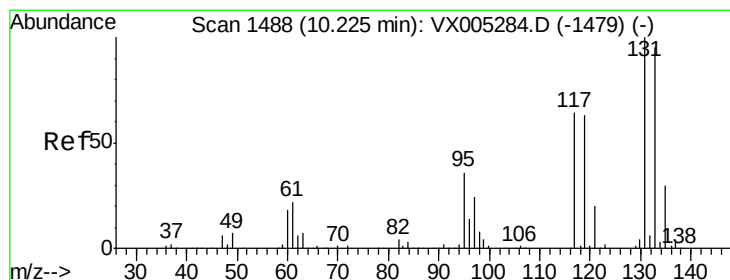
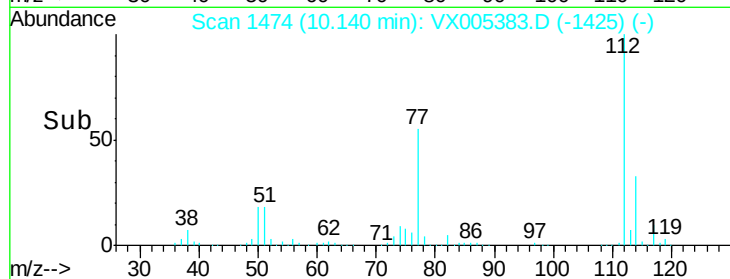
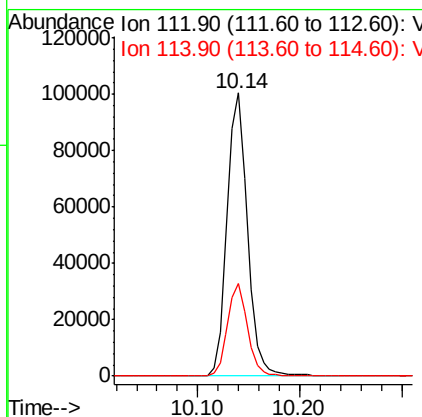
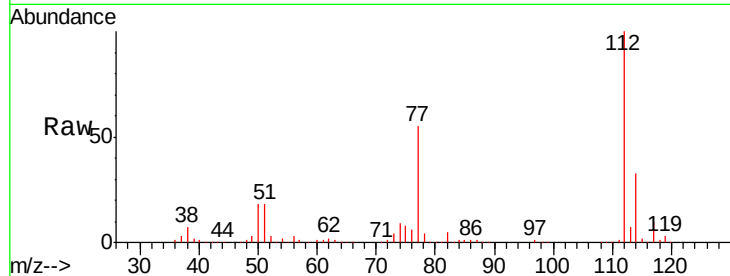
#65
Chlorobenzene
Concen: 18.40 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion:112 Resp: 138986
Ion Ratio Lower Upper
112 100
114 32.6 27.8 41.8

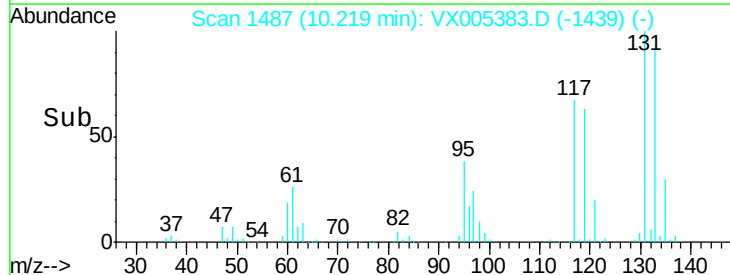
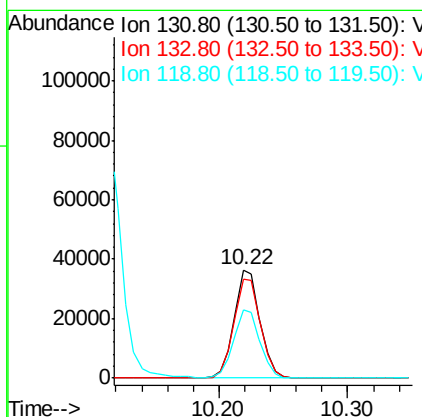
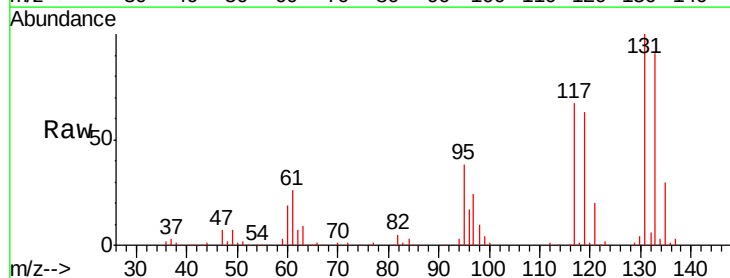
Manual Integrations
APPROVED

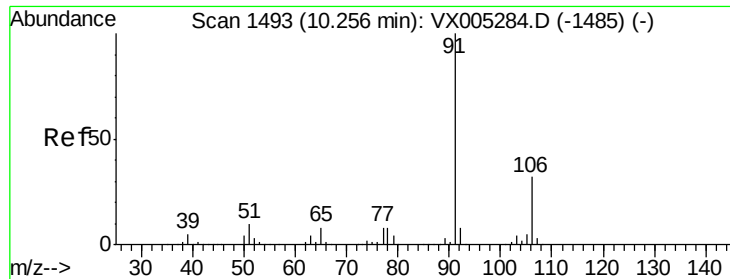
MMDadoda
10/19/2018 12:23:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.90 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion:131 Resp: 50876
Ion Ratio Lower Upper
131 100
133 94.2 48.1 144.4
119 64.6 32.9 98.6





#67

Ethyl Benzene

Concen: 18.74 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion: 91 Resp: 230111

Ion Ratio Lower Upper

91 100

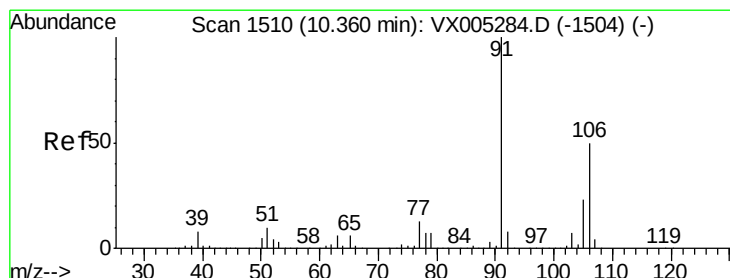
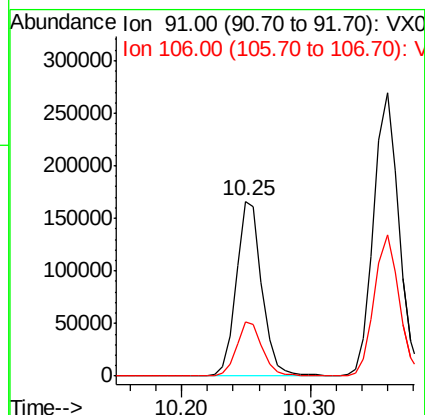
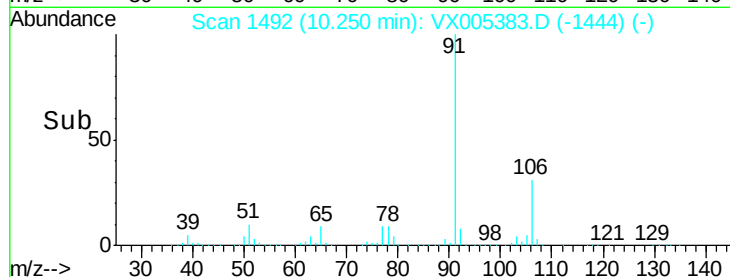
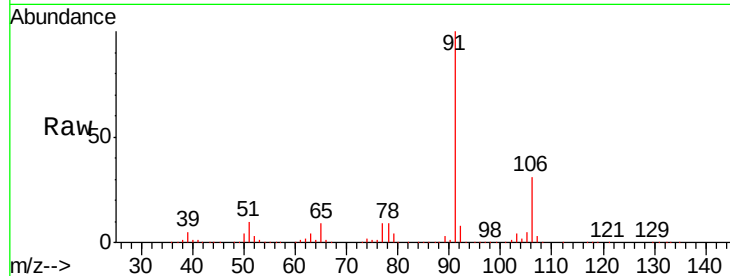
106 30.7 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:16 PM



#68

m/p-Xylenes

Concen: 37.99 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005383.D

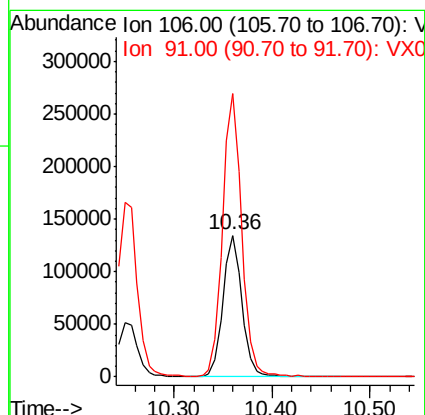
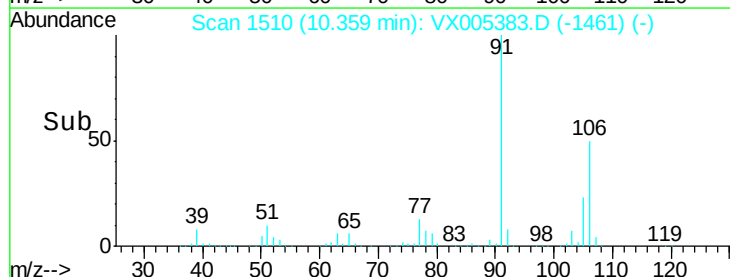
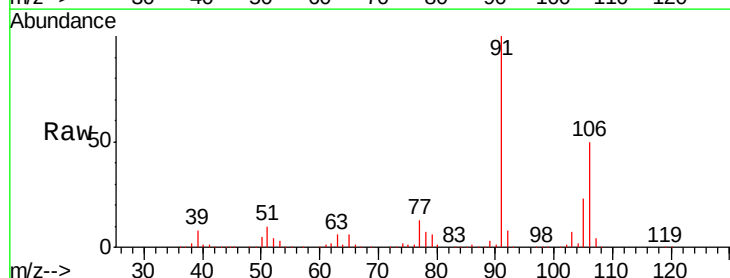
Acq: 17 Oct 2018 10:24

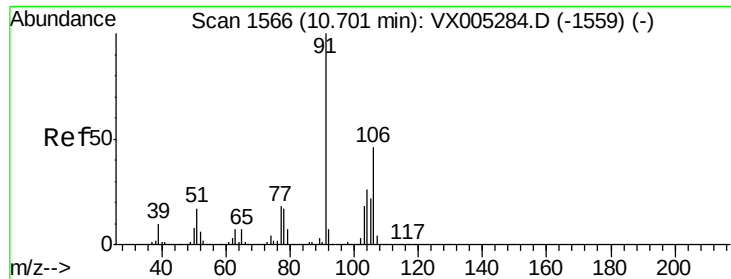
Tgt Ion: 106 Resp: 181077

Ion Ratio Lower Upper

106 100

91 203.0 157.1 235.7





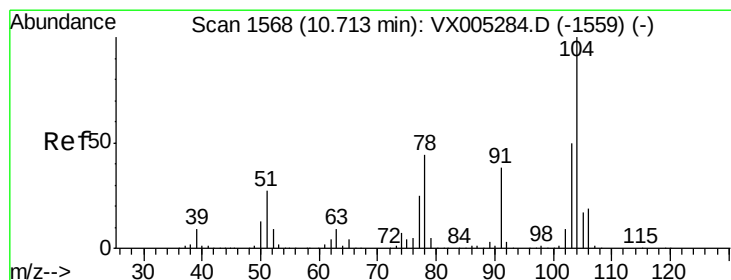
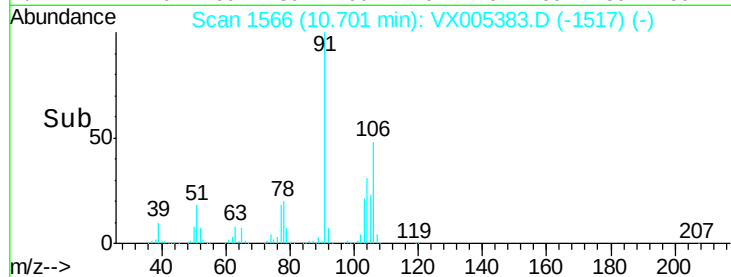
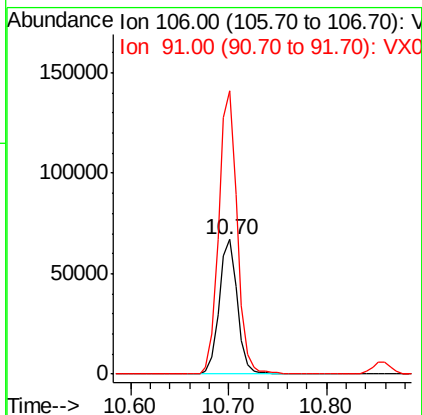
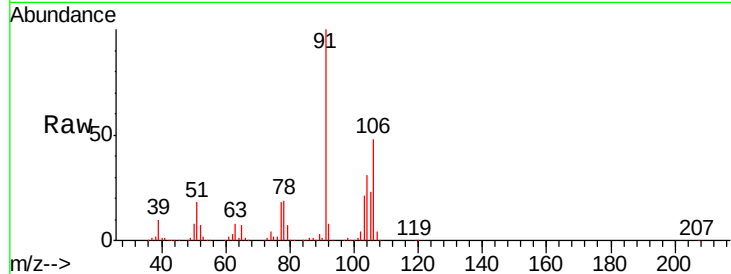
#69
o-Xylene
Concen: 18.80 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion:106 Resp: 86416
Ion Ratio Lower Upper
106 100
91 213.7 105.1 315.1

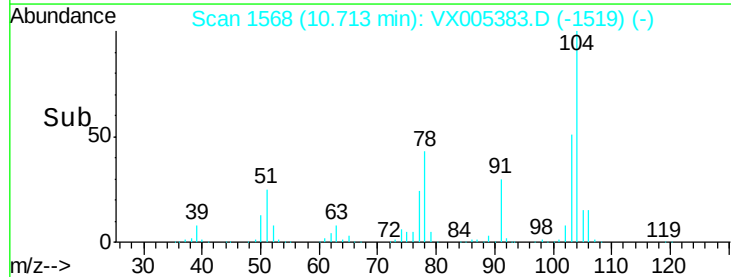
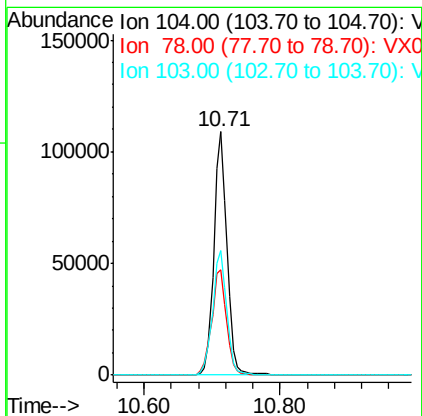
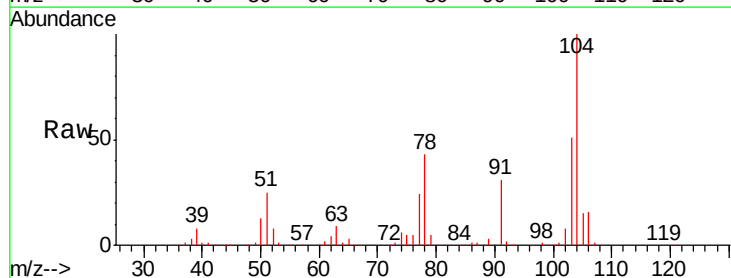
Manual Integrations
APPROVED

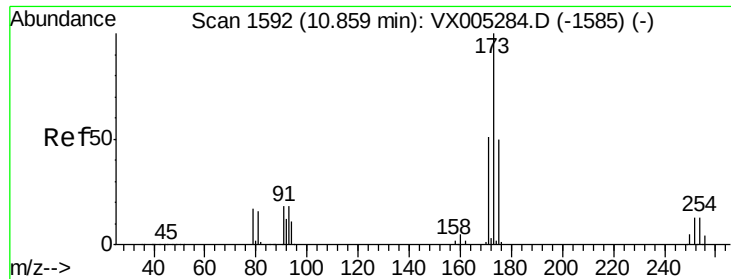
MMDadoda
10/19/2018 12:23:16 PM



#70
Styrene
Concen: 19.25 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion:104 Resp: 145566
Ion Ratio Lower Upper
104 100
78 49.3 37.4 56.0
103 55.9 43.8 65.6





#71

Bromoform

Concen: 17.63 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

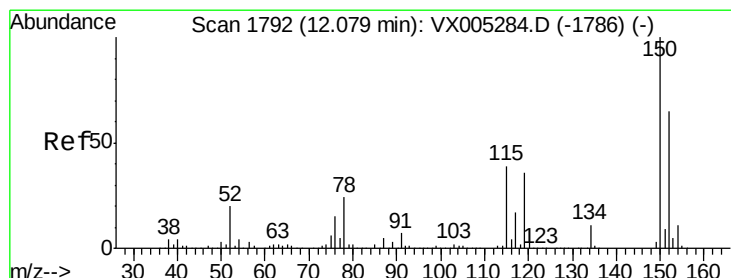
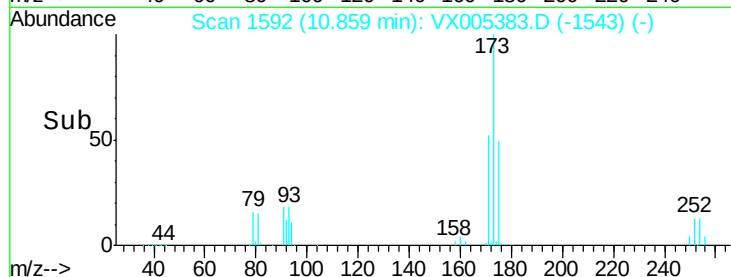
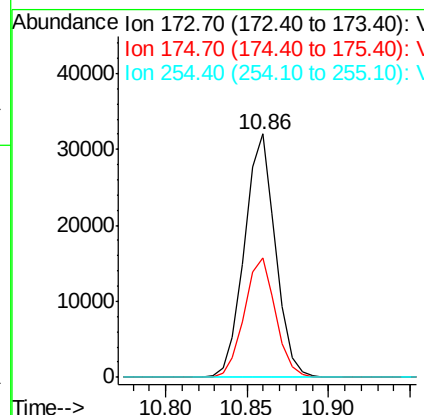
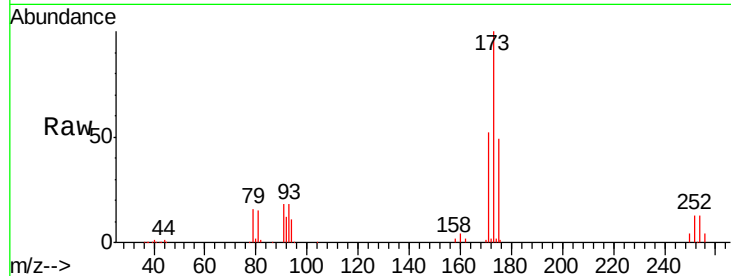
ClientSampleId :

VX1017WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.1	72.3
254	0.1	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:16 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

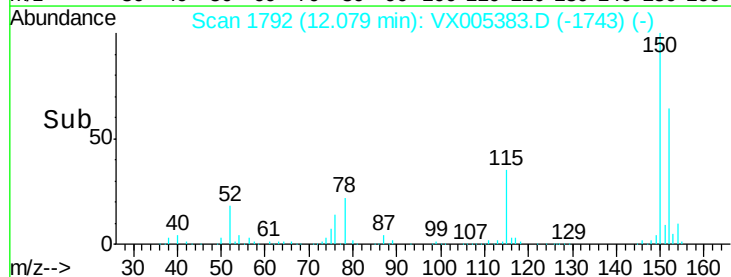
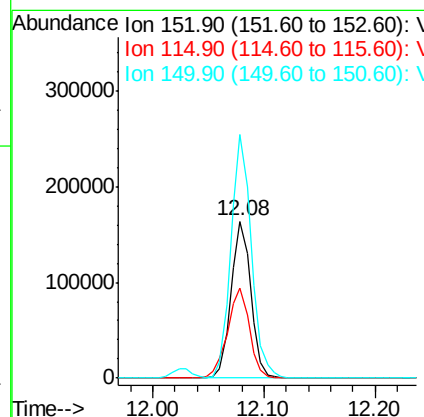
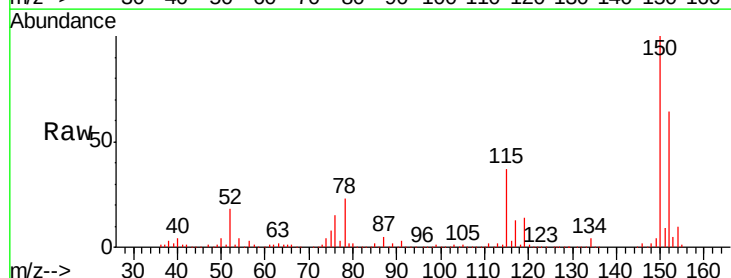
RT: 12.08 min Scan# 1792

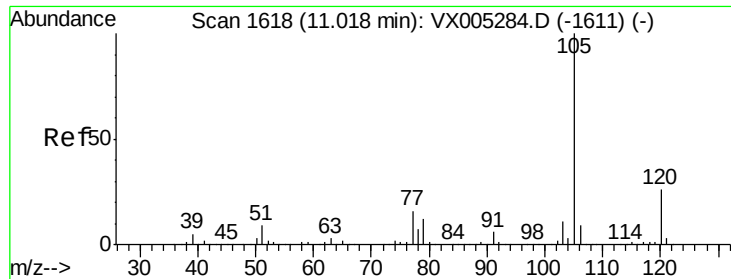
Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	39.0	117.0
150	161.4	0.0	351.0





#73

Isopropylbenzene

Concen: 19.91 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion: 105 Resp: 237351

Ion Ratio Lower Upper

105 100

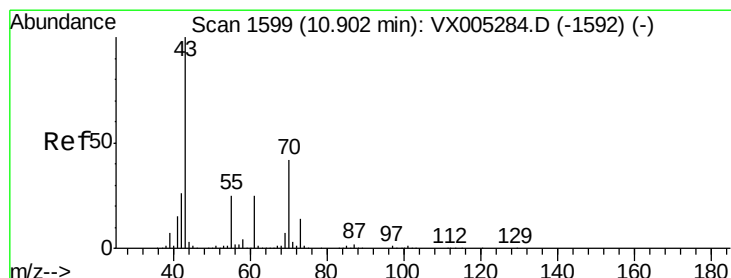
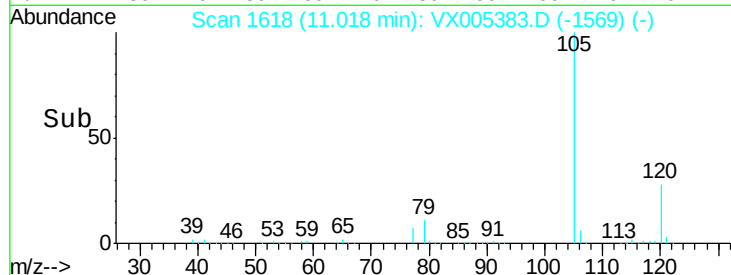
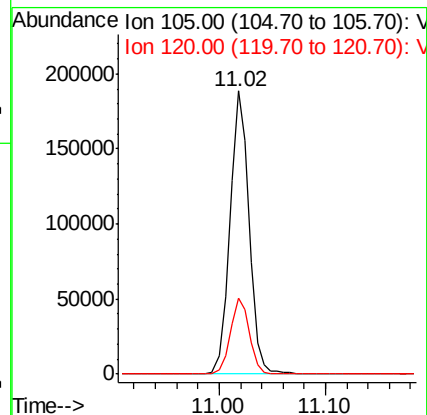
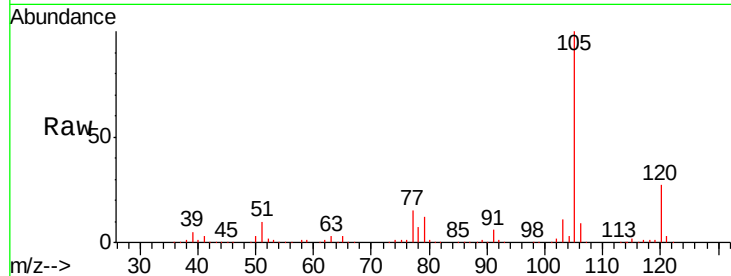
120 26.8 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:16 PM



#74

N-ethyl acetate

Concen: 18.54 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Tgt Ion: 43 Resp: 106638

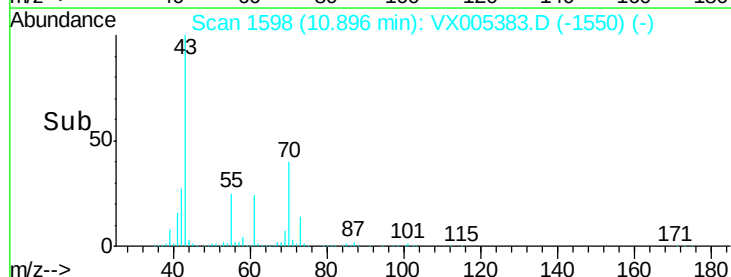
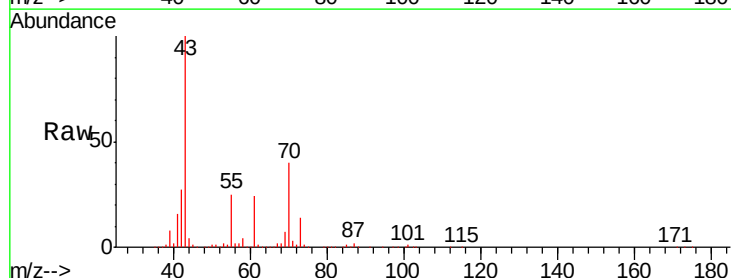
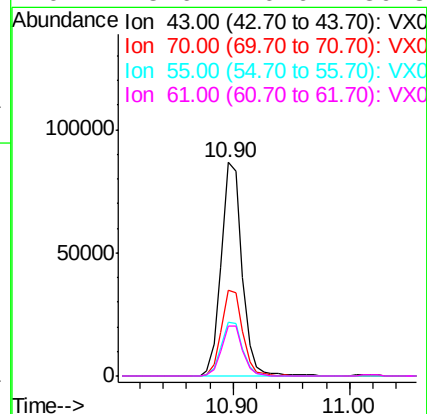
Ion Ratio Lower Upper

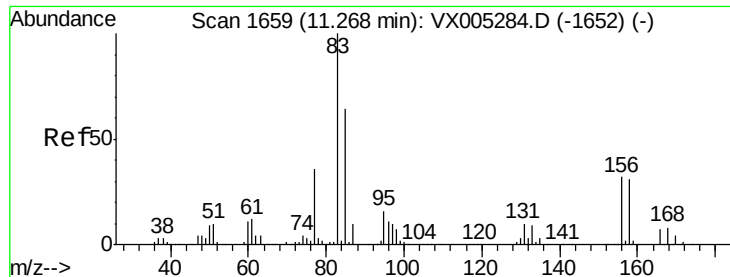
43 100

70 41.0 37.4 56.0

55 26.0 21.8 32.8

61 23.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.33 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion: 83 Resp: 82417

Ion Ratio Lower Upper

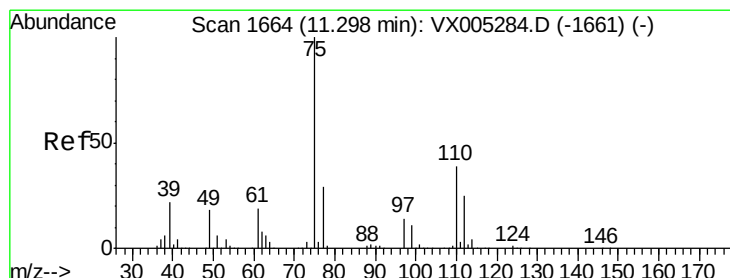
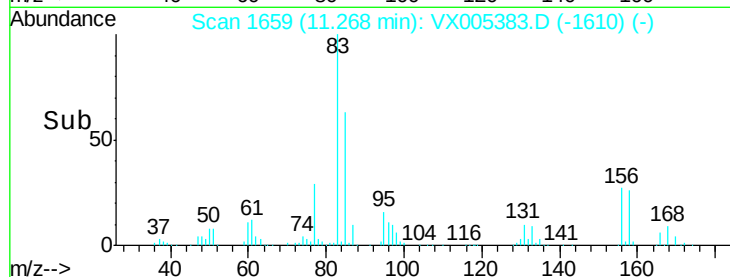
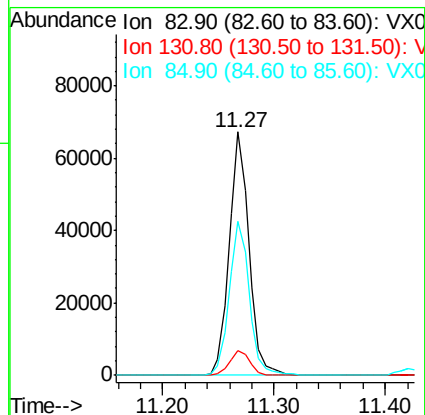
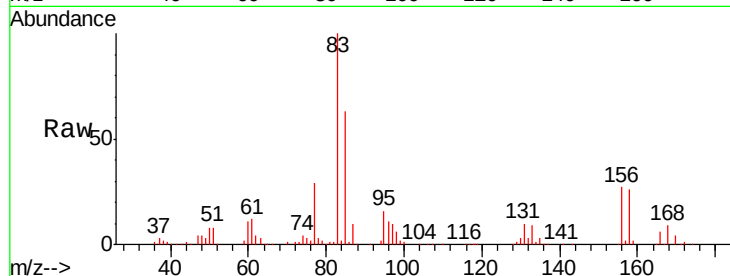
83 100

131 10.3 5.2 15.6

85 64.2 32.3 96.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:16 PM



#76

1,2,3-Trichloropropane

Concen: 22.84 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005383.D

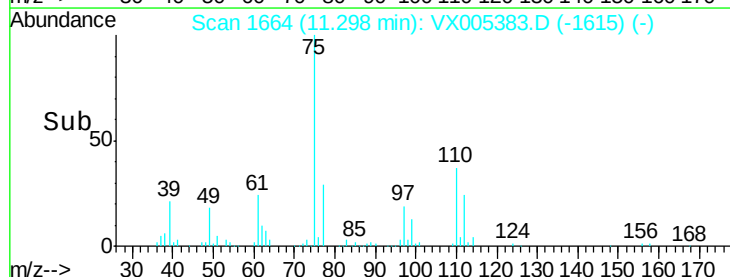
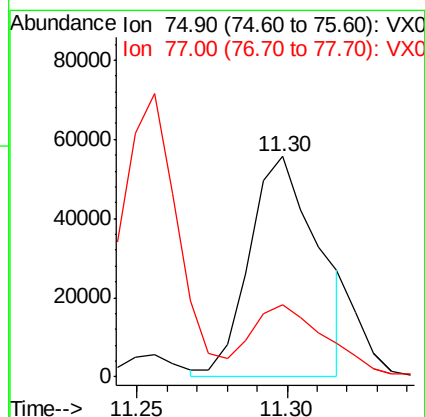
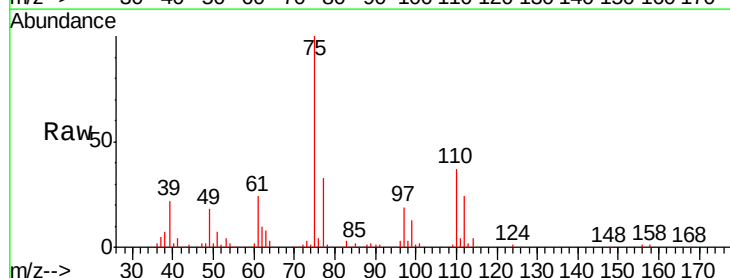
Acq: 17 Oct 2018 10:24

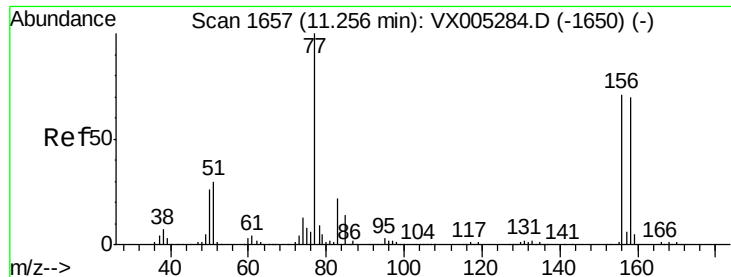
Tgt Ion: 75 Resp: 88849

Ion Ratio Lower Upper

75 100

77 35.2 20.2 60.6





#77

Bromobenzene

Concen: 19.38 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

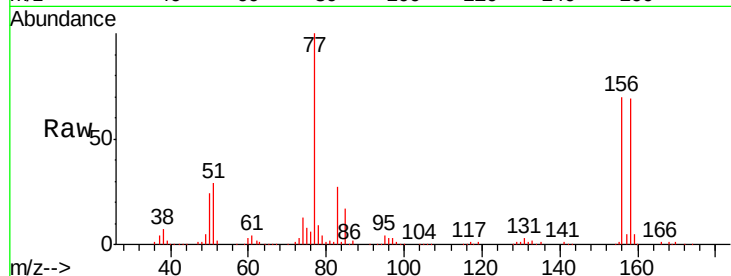
ClientSampleId :

VX1017WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	66065		
77	141.3	71.5	214.3	
158	96.3	48.9	146.8	

Manual Integrations
APPROVED

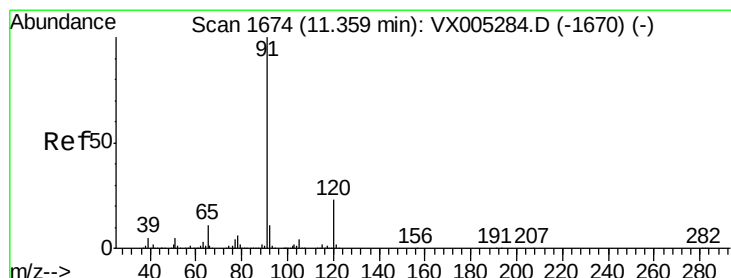
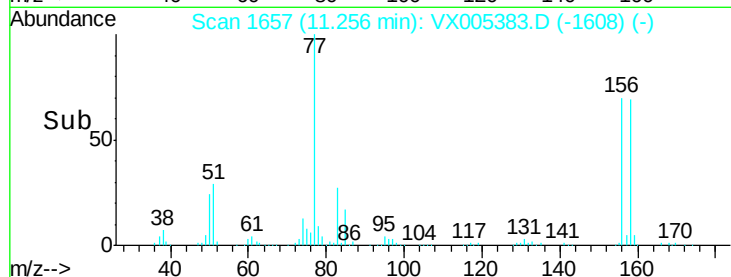
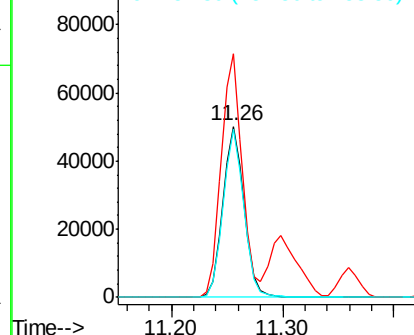
MMDadoda
10/19/2018 12:23:16 PM



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: 19.86 ug/l

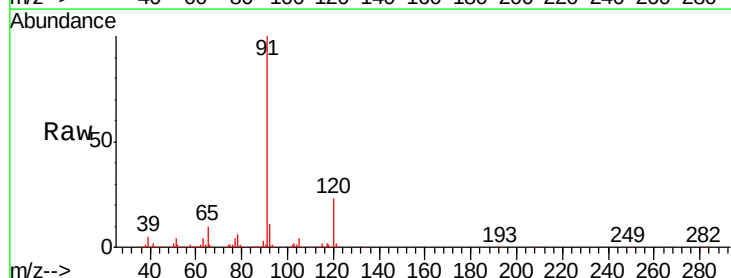
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005383.D

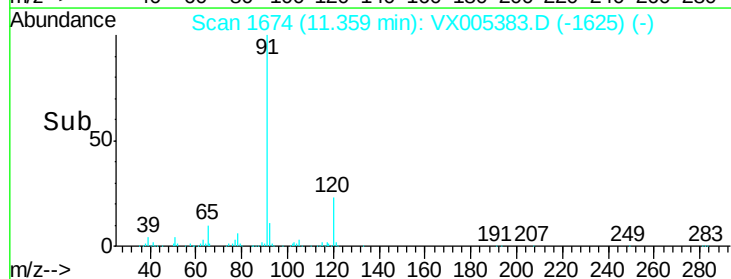
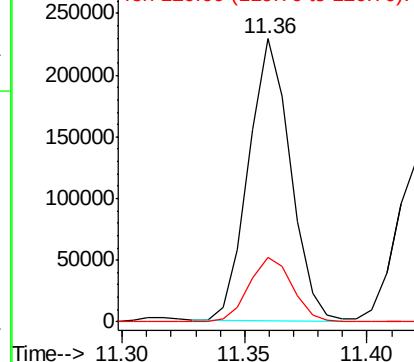
Acq: 17 Oct 2018 10:24

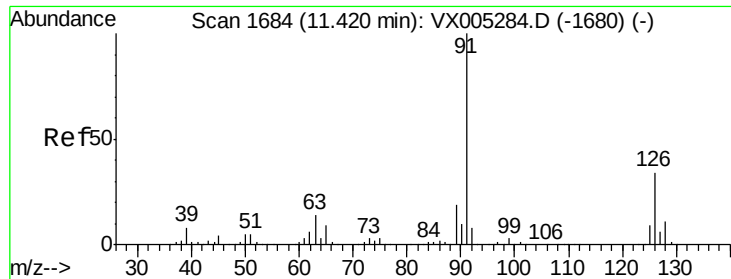
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	272422		
120	23.8	11.9	35.9	



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.36 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion: 91 Resp: 162685

Ion Ratio Lower Upper

91 100

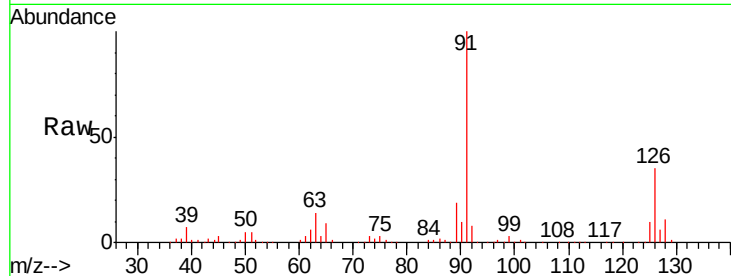
126 35.3 17.9 53.7

Manual Integrations

APPROVED

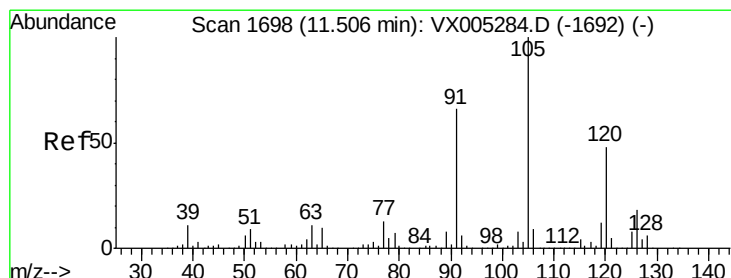
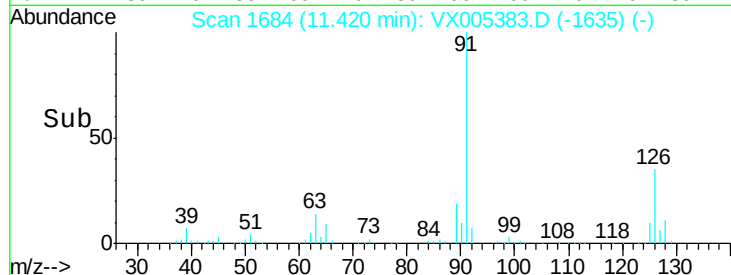
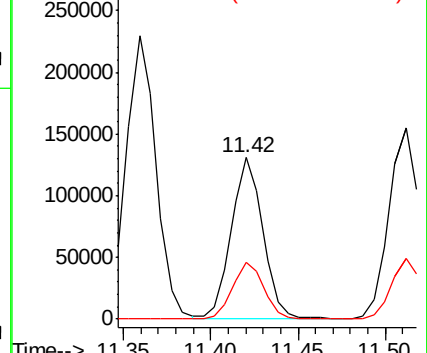
MMDadoda

10/19/2018 12:23:16 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.08 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005383.D

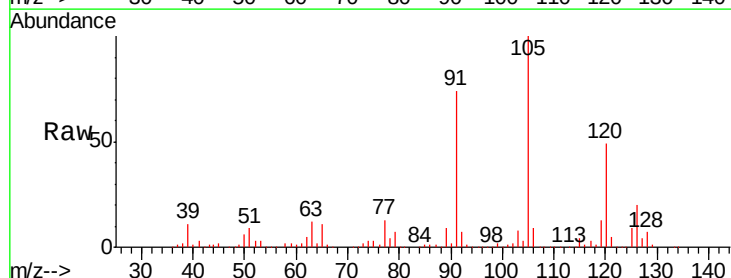
Acq: 17 Oct 2018 10:24

Tgt Ion: 105 Resp: 204971

Ion Ratio Lower Upper

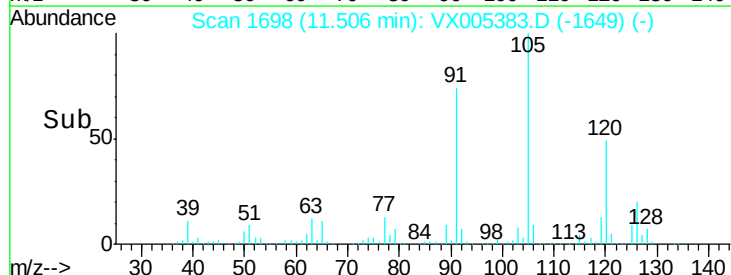
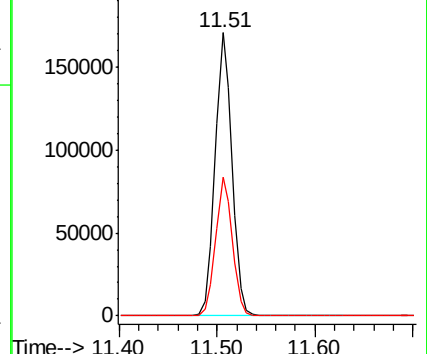
105 100

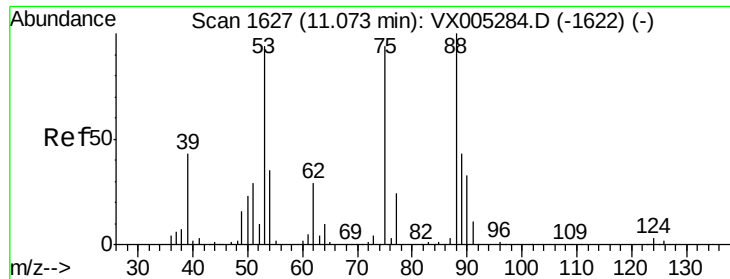
120 48.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.06 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

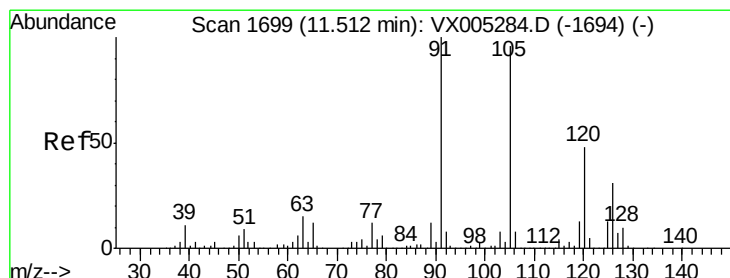
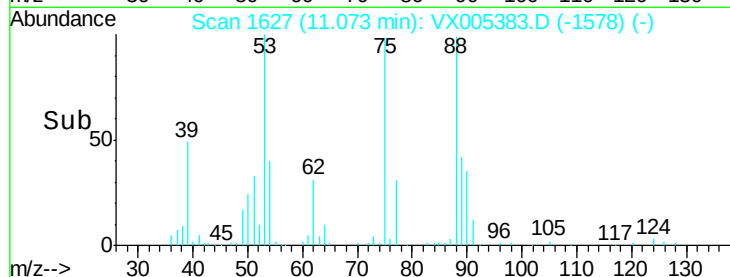
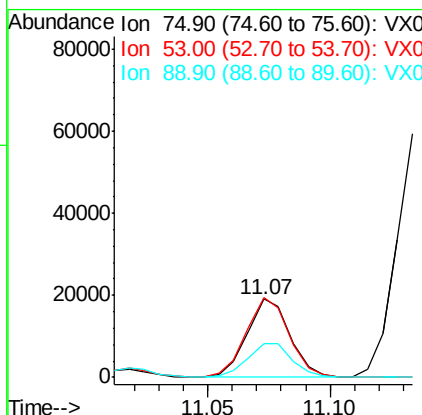
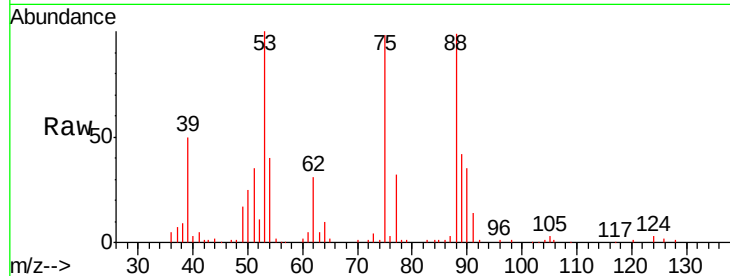
ClientSampleId :

VX1017WBS01

Tgt Ion:	75	Resp:	23116
Ion	Ratio	Lower	Upper
75	100		
53	103.3	80.1	120.1
89	46.8	37.2	55.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:16 PM



#82

4-Chlorotoluene

Concen: 19.26 ug/l

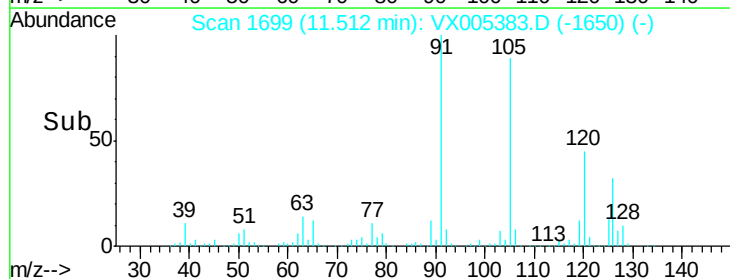
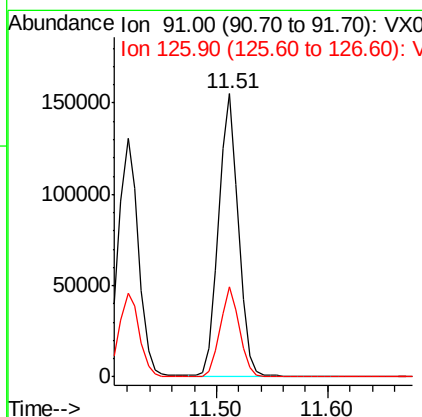
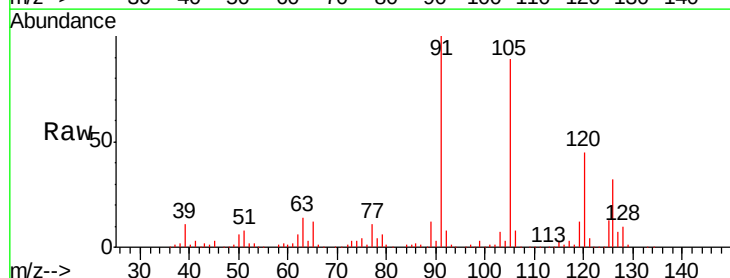
RT: 11.51 min Scan# 1699

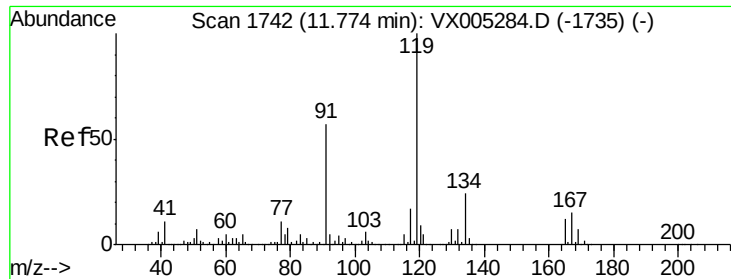
Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Tgt Ion:	91	Resp:	191811
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.5	46.5





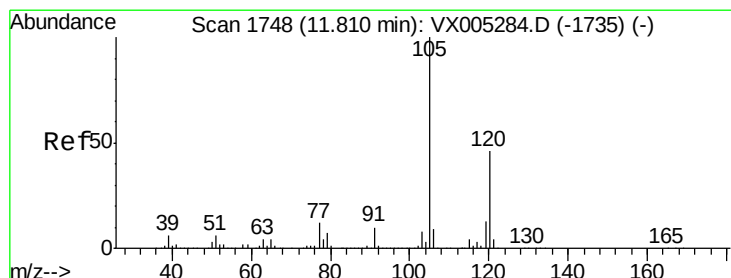
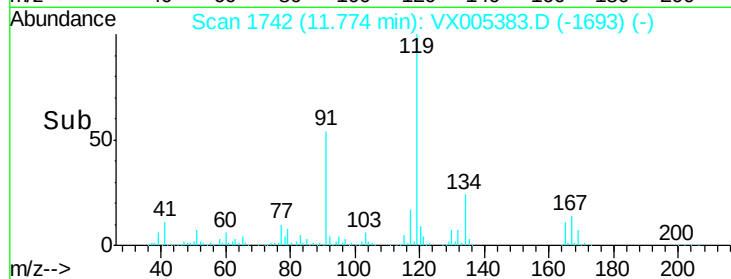
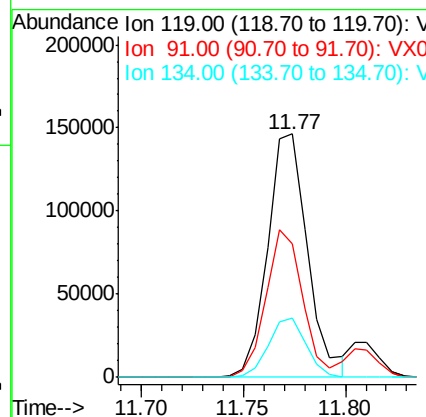
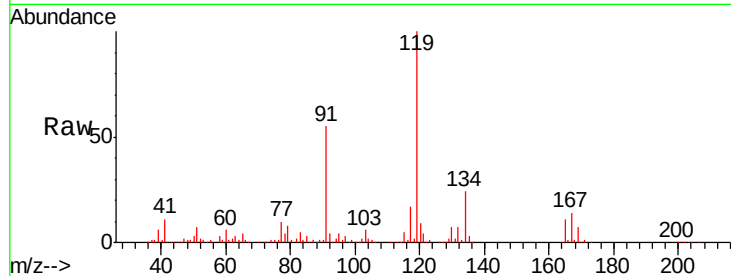
#83
 tert-Butylbenzene
 Concen: 19.37 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	200256		
91	55.8	27.0	81.0	
134	23.1	11.7	35.1	

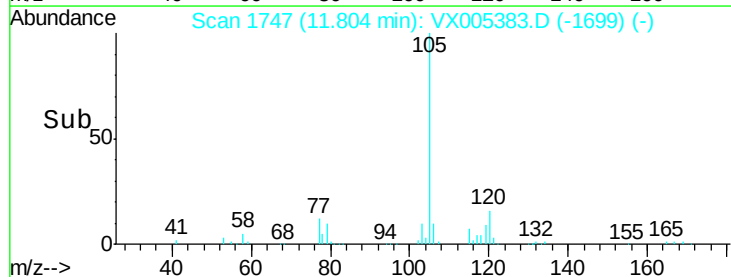
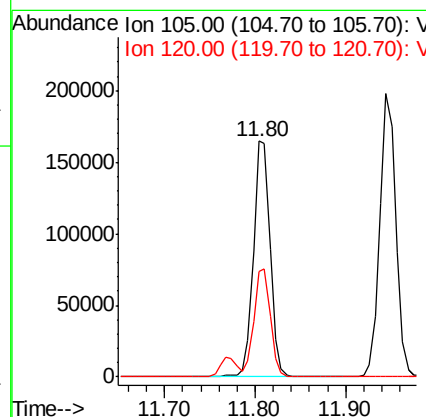
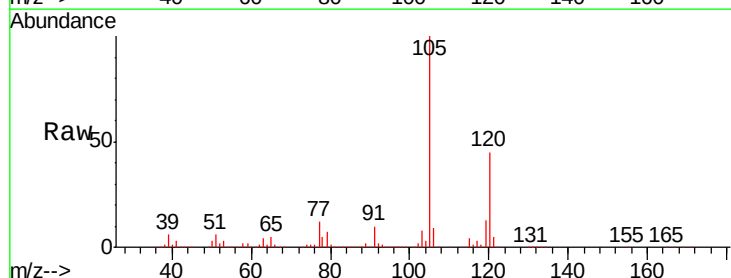
Manual Integrations
 APPROVED

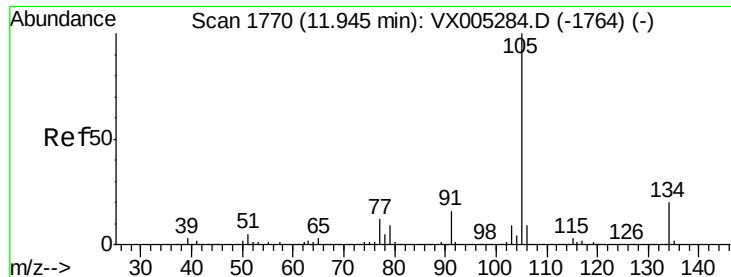
MMDadoda
 10/19/2018 12:23:16 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.99 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210063		
120	45.2	23.2	69.6	





#85

sec-Butylbenzene

Concen: 19.87 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS01

Tgt Ion:105 Resp: 243059

Ion Ratio Lower Upper

105 100

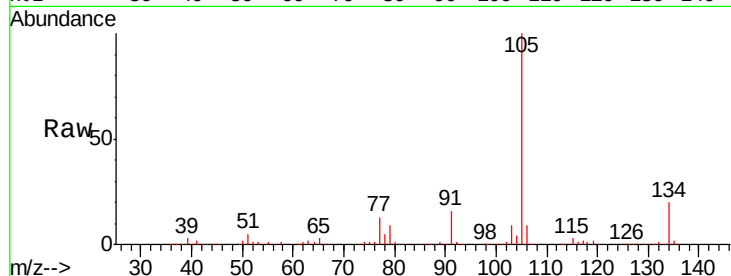
134 20.9 10.5 31.5

Manual Integrations

APPROVED

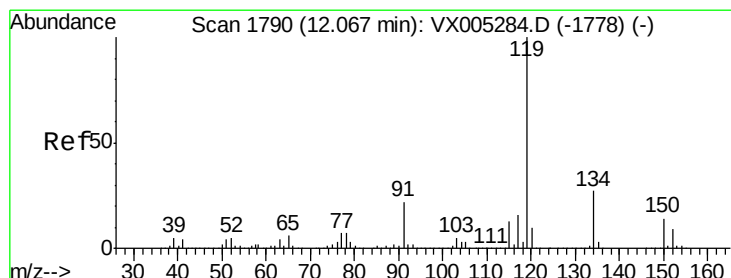
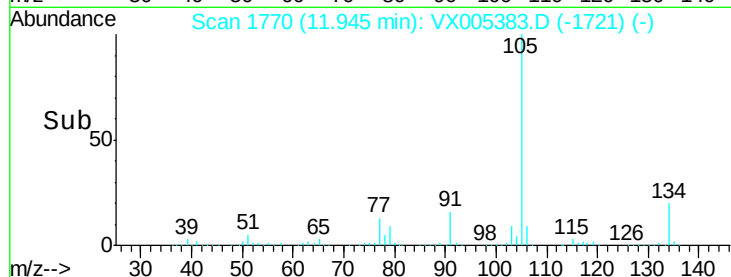
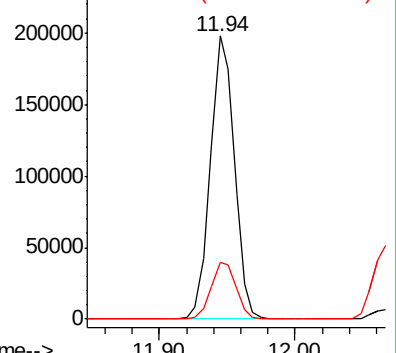
MMDadoda

10/19/2018 12:23:16 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.95 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005383.D

Acq: 17 Oct 2018 10:24

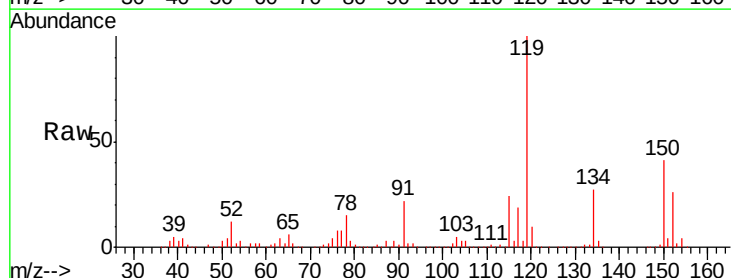
Tgt Ion:119 Resp: 220673

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

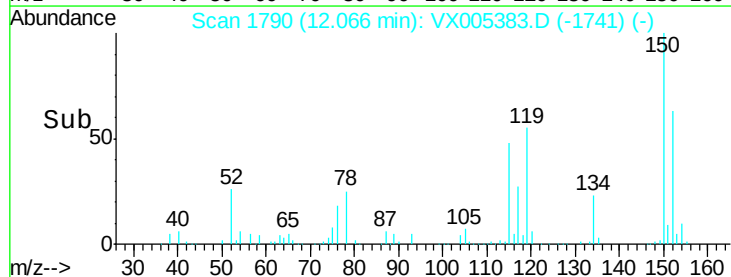
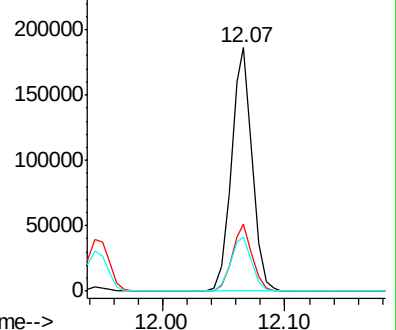
91 22.6 10.9 32.7

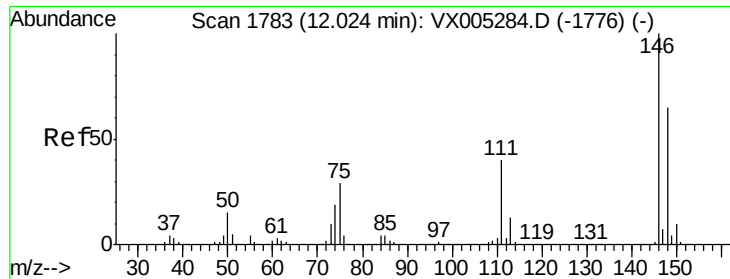


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





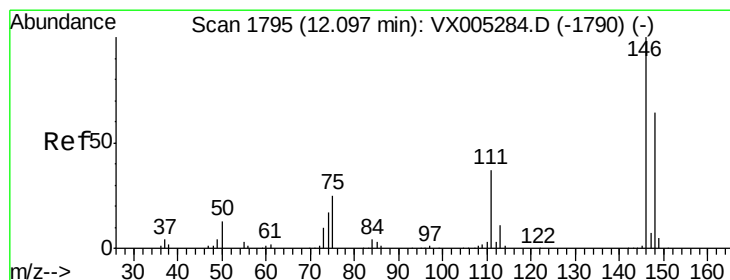
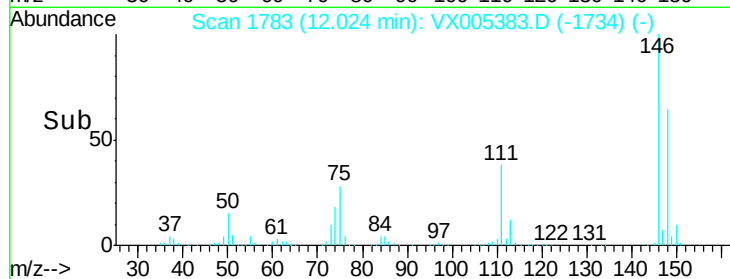
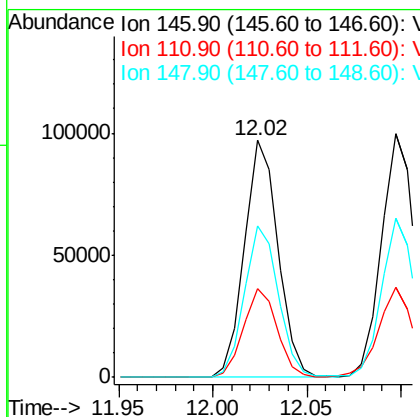
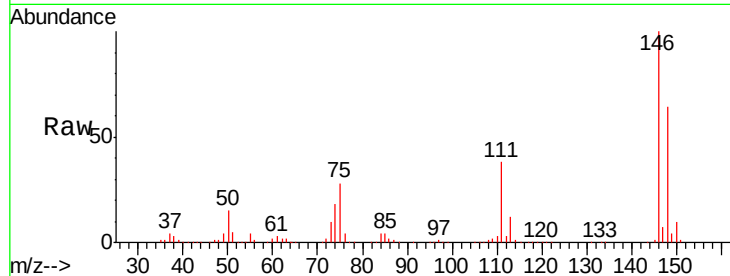
#87
 1,3-Dichlorobenzene
 Concen: 18.94 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.5	32.1	96.5

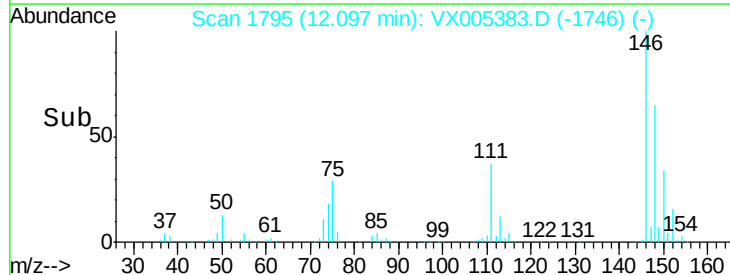
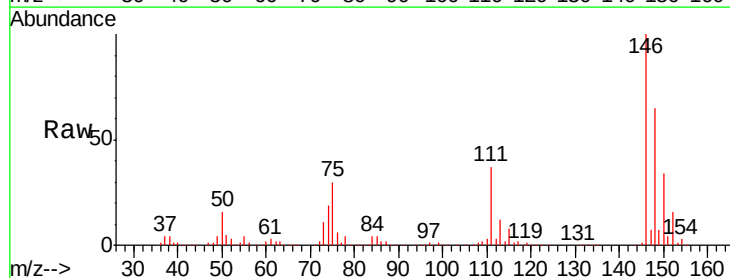
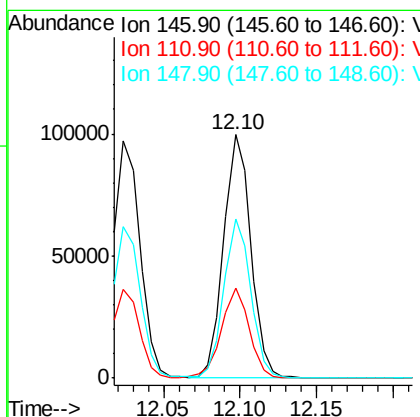
Manual Integrations
 APPROVED

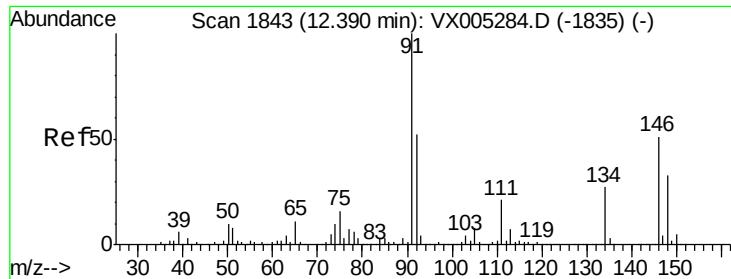
MMDadoda
 10/19/2018 12:23:16 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.90 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.1
148	64.8	32.0	96.0





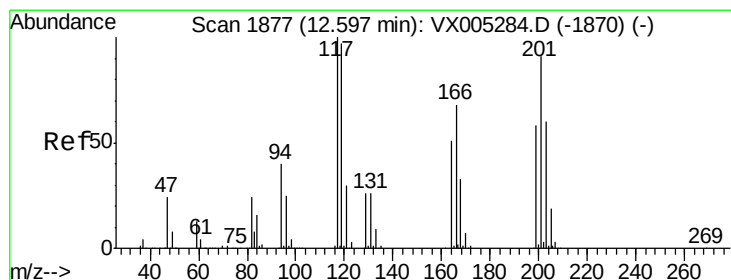
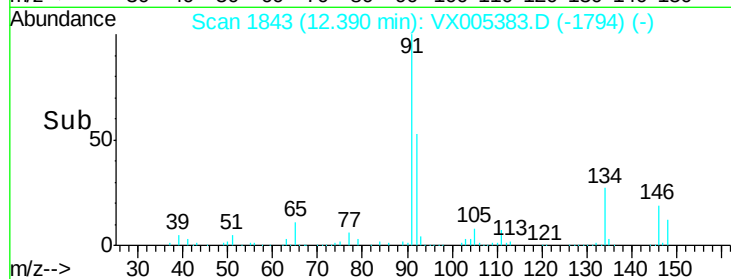
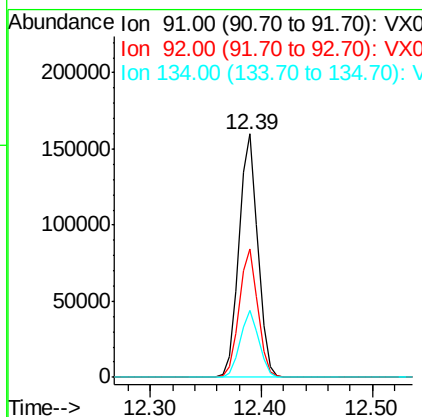
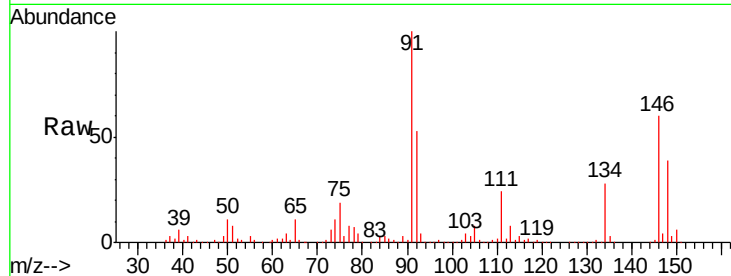
#89
n-Butylbenzene
Concen: 18.67 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	187418		
92	52.0	27.3	81.9	
134	27.1	13.6	40.7	

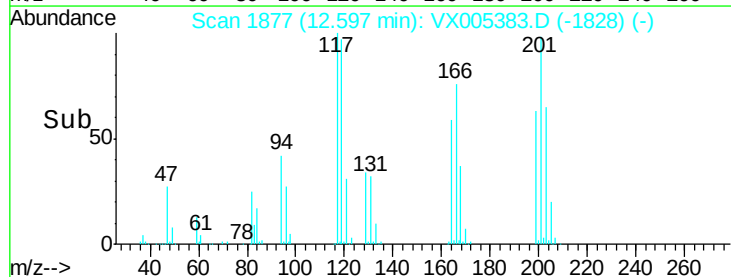
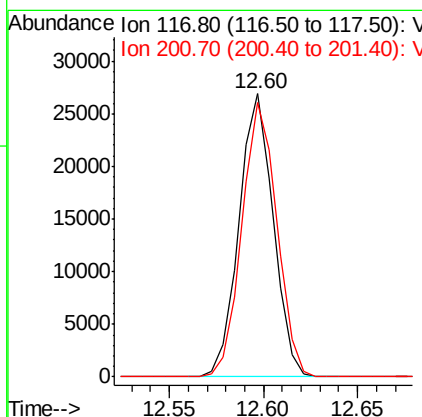
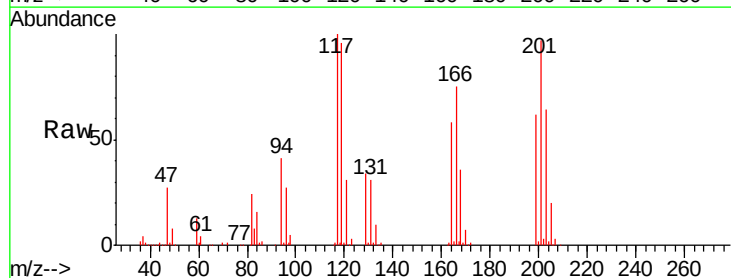
Manual Integrations
APPROVED

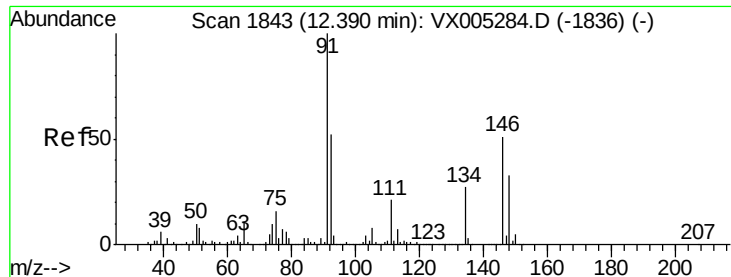
MMDadoda
10/19/2018 12:23:16 PM



#90
Hexachloroethane
Concen: 17.76 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33839		
201	98.8	46.9	140.6	





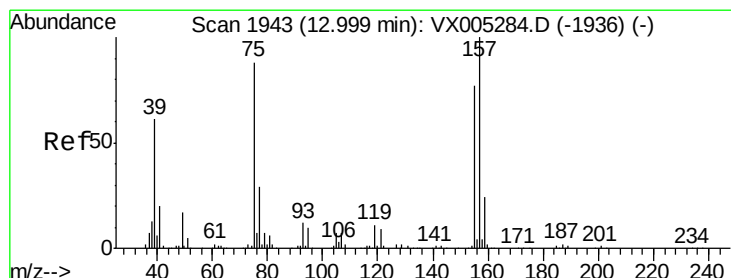
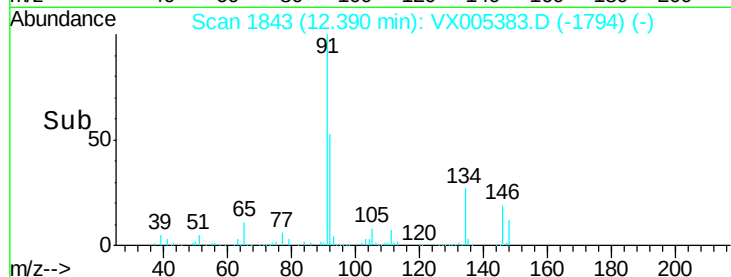
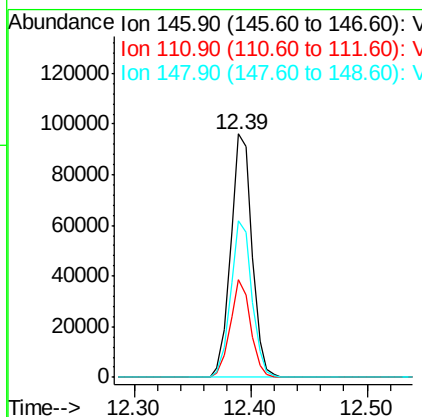
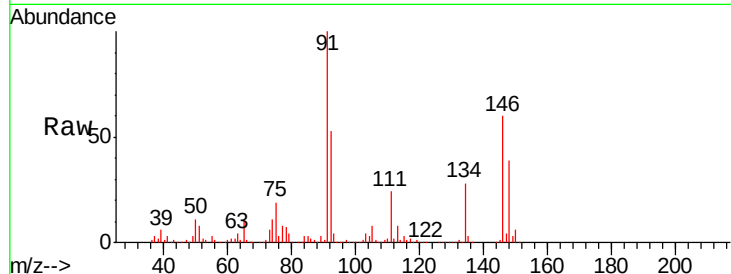
#91
 1,2-Dichlorobenzene
 Concen: 18.85 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.1
148	64.0	32.8	98.3

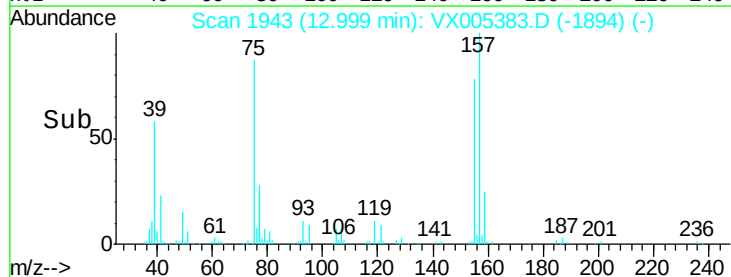
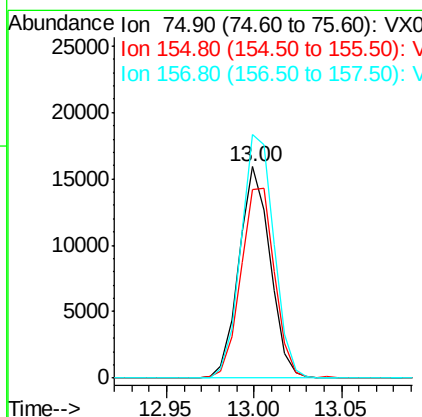
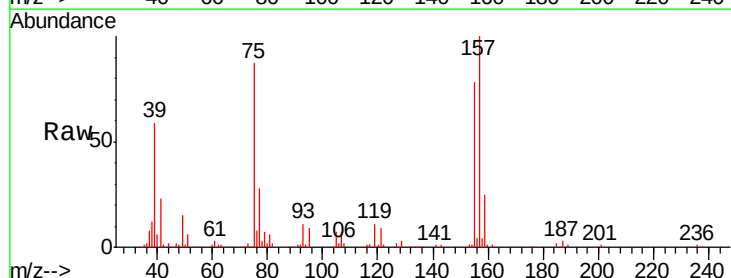
Manual Integrations
 APPROVED

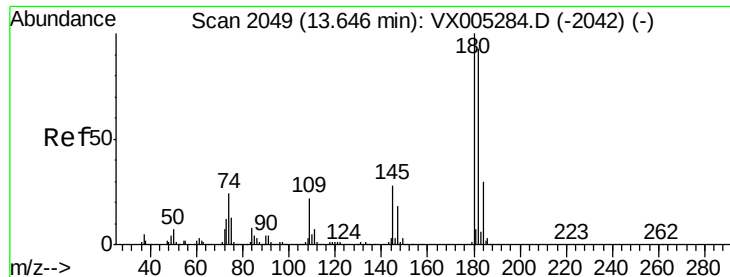
MMDadoda
 10/19/2018 12:23:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.00 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	48.0	144.2
157	121.6	61.4	184.1





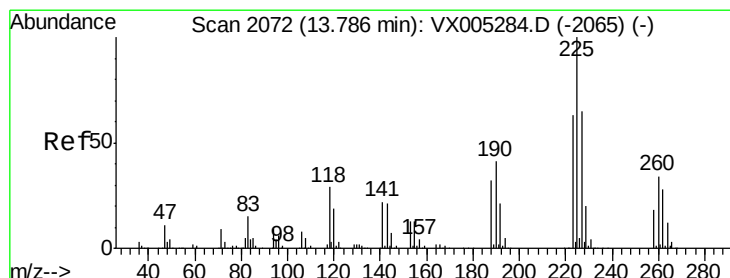
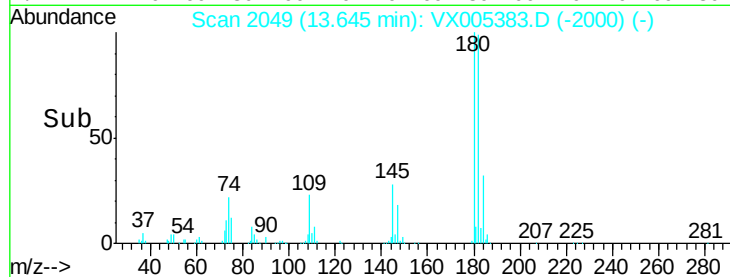
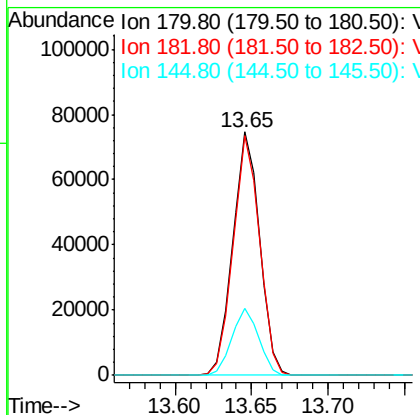
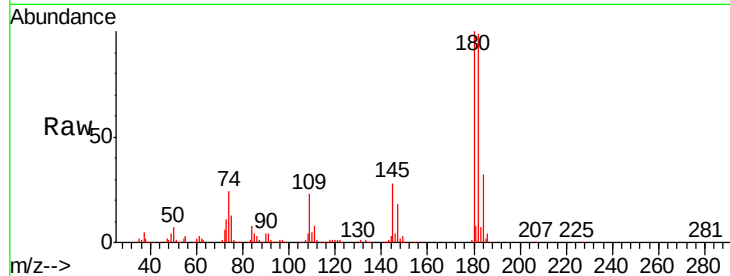
#93
 1,2,4-Trichlorobenzene
 Concen: 18.98 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90528		
182	97.2	48.4	145.0	
145	27.8	14.3	42.9	

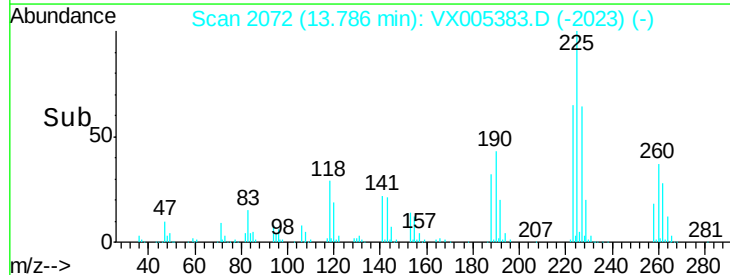
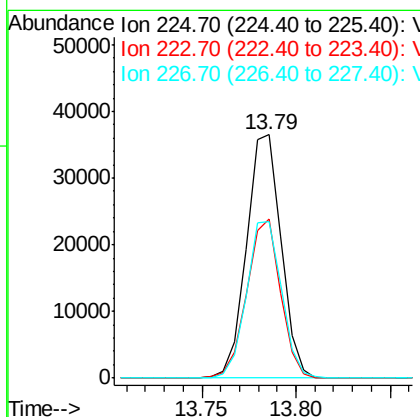
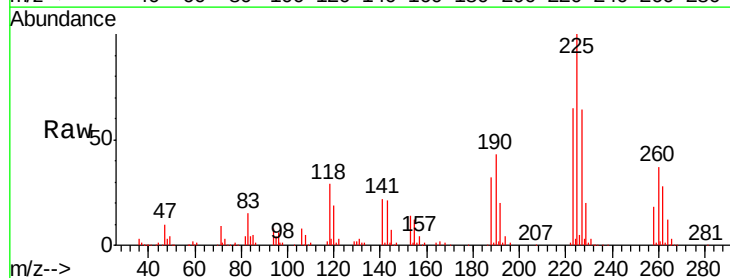
Manual Integrations
 APPROVED

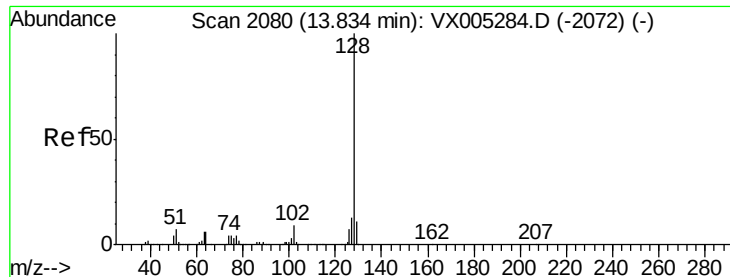
MMDadoda
 10/19/2018 12:23:16 PM



#94
 Hexachlorobutadiene
 Concen: 18.45 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005383.D
 Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46475		
223	63.4	30.1	90.5	
227	64.8	30.8	92.4	





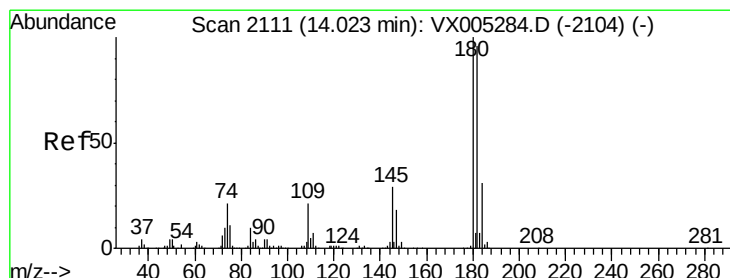
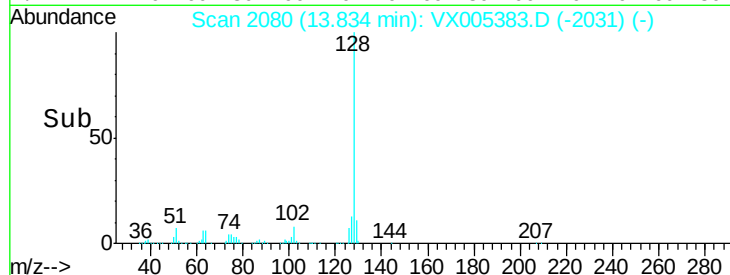
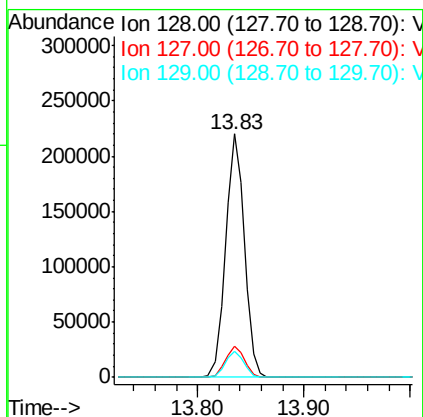
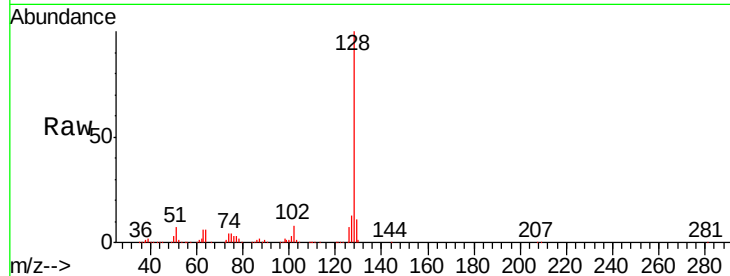
#95
Naphthalene
Concen: 19.63 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	271531		
127	13.0	10.2	15.2	
129	11.0	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.27 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005383.D
Acq: 17 Oct 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94056		
182	95.5	48.5	145.6	
145	29.5	14.9	44.9	

