

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005400.D
 Acq On : 17 Oct 2018 20:14
 Operator : JC/MD
 Sample : VX1017WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:23:46 PM

Quant Time: Oct 19 01:47:54 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	5.65	168	288504	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	411331	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	379189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211506	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	148773	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	5.50	113	126600	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
50) Toluene-d8	8.71	98	476098	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	11.14	95	176236	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	42857	19.00	ug/l	98
3) Chloromethane	1.32	50	60169	18.41	ug/l	100
4) Vinyl Chloride	1.40	62	61072	18.44	ug/l	99
5) Bromomethane	1.64	94	37659	20.49	ug/l	99
6) Chloroethane	1.71	64	39886	19.41	ug/l	97
7) Trichlorofluoromethane	1.93	101	85853	19.43	ug/l	99
8) Diethyl Ether	2.19	74	37558	19.91	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	51228	20.09	ug/l	97
10) Methyl Iodide	2.51	142	53751	20.75	ug/l	99
11) Tert butyl alcohol	3.07	59	92912	102.87	ug/l	100
12) 1,1-Dichloroethene	2.37	96	49566	19.62	ug/l	99
13) Acrolein	2.29	56	36828	62.27	ug/l	95
14) Allyl chloride	2.73	41	108067	19.48	ug/l	93
15) Acrylonitrile	3.15	53	197371	96.43	ug/l	97
16) Acetone	2.45	43	169713	91.67	ug/l	97
17) Carbon Disulfide	2.57	76	133955	17.50	ug/l	100
18) Methyl Acetate	2.78	43	106790	20.28	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	182070	20.46	ug/l	96
20) Methylene Chloride	2.85	84	61367	22.02	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	53943	19.26	ug/l	94
22) Diisopropyl ether	3.87	45	185764	19.94	ug/l #	91
23) Vinyl Acetate	3.82	43	766563	94.12	ug/l	97
24) 1,1-Dichloroethane	3.70	63	105189	19.70	ug/l	98
25) 2-Butanone	4.70	43	267450	98.74	ug/l #	87
26) 2,2-Dichloropropane	4.59	77	70960	17.77	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	57291	18.83	ug/l	97
28) Bromochloromethane	5.02	49	46428	19.07	ug/l	96
29) Tetrahydrofuran	5.15	42	164265	95.07	ug/l	94
30) Chloroform	5.21	83	96893	19.55	ug/l	98
31) Cyclohexane	5.57	56	87794	19.95	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	82634	19.16	ug/l	98
36) 1,1-Dichloropropene	5.80	75	67792	17.02	ug/l	98
37) Ethyl Acetate	4.85	43	90481	17.66	ug/l	99
38) Carbon Tetrachloride	5.78	117	71879	17.96	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005400.D
 Acq On : 17 Oct 2018 20:14
 Operator : JC/MD
 Sample : VX1017WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1017WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:23:46 PM

Quant Time: Oct 19 01:47:54 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	82707	19.18	ug/l #	90
40) Benzene	6.14	78	212335	17.77	ug/l	100
41) Methacrylonitrile	5.06	41	50264	18.30	ug/l	96
42) 1,2-Dichloroethane	6.20	62	75252	17.83	ug/l	98
43) Isopropyl Acetate	6.46	43	135146	19.80	ug/l	98
44) Trichloroethene	7.21	130	60932	19.59	ug/l	95
45) 1,2-Dichloropropane	7.51	63	56879	19.40	ug/l	99
46) Dibromomethane	7.66	93	36428	18.83	ug/l	96
47) Bromodichloromethane	7.90	83	69544	19.43	ug/l	99
48) Methyl methacrylate	7.77	41	69027	19.50	ug/l	96
49) 1,4-Dioxane	7.76	88	33481	410.11	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	479769	101.53	ug/l	96
52) Toluene	8.79	92	134754	20.61	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	75874	19.59	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	84504	20.14	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	57586	20.80	ug/l	99
56) Ethyl methacrylate	9.18	69	83908	20.79	ug/l	95
57) 1,3-Dichloropropane	9.37	76	93782	20.29	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	235883	104.19	ug/l	95
59) 2-Hexanone	9.49	43	373693	98.31	ug/l	95
60) Dibromochloromethane	9.59	129	56582	19.77	ug/l	100
61) 1,2-Dibromoethane	9.67	107	59118	20.34	ug/l	98
64) Tetrachloroethene	9.34	164	60812	19.92	ug/l	96
65) Chlorobenzene	10.14	112	153663	19.05	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	55721	19.39	ug/l	98
67) Ethyl Benzene	10.25	91	254348	19.40	ug/l	97
68) m/p-Xylenes	10.36	106	200006	39.30	ug/l	95
69) o-Xylene	10.70	106	96776	19.72	ug/l	97
70) Styrene	10.71	104	162530	20.13	ug/l	98
71) Bromoform	10.86	173	47166	18.36	ug/l	100
73) Isopropylbenzene	11.02	105	267049	21.24	ug/l	100
74) N-amyl acetate	10.90	43	121015	19.96	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	91222	19.23	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	84556m	20.61	ug/l	
77) Bromobenzene	11.26	156	72979	20.30	ug/l	99
78) n-propylbenzene	11.36	91	303071	20.95	ug/l	100
79) 2-Chlorotoluene	11.42	91	180334	20.35	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	223158	20.73	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	24146	17.88	ug/l	98
82) 4-Chlorotoluene	11.51	91	211643	20.15	ug/l	99
83) tert-Butylbenzene	11.77	119	225964	20.72	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	232545	20.99	ug/l	97
85) sec-Butylbenzene	11.94	105	273020	21.16	ug/l	99
86) p-Isopropyltoluene	12.07	119	241477	20.71	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	133191	19.83	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	134932	19.63	ug/l	98
89) n-Butylbenzene	12.39	91	210015	19.83	ug/l	97
90) Hexachloroethane	12.60	117	37258	18.54	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	133841	19.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21063	18.21	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
Data File : VX005400.D
Acq On : 17 Oct 2018 20:14
Operator : JC/MD
Sample : VX1017WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM

Quant Time: Oct 19 01:47:54 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)
93) 1,2,4-Trichlorobenzene	13.65	180	101180	20.12	ug/l	99
94) Hexachlorobutadiene	13.79	225	52038	19.59	ug/l	98
95) Naphthalene	13.83	128	304942	20.91	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	105002	20.40	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion: 168 Resp: 288504

Ion Ratio Lower Upper

168 100

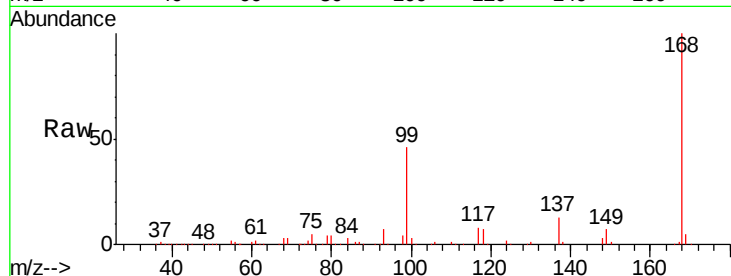
99 45.8 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:46 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

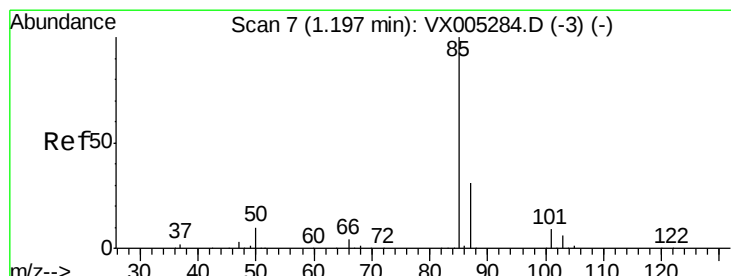
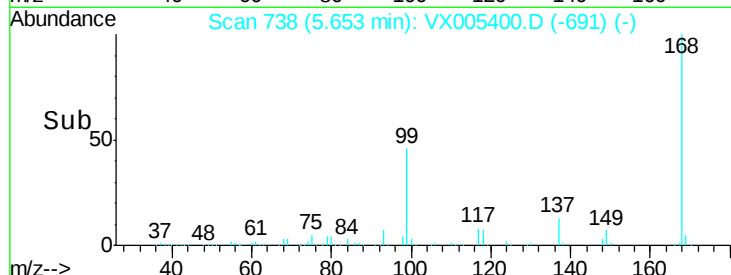
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.00 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005400.D

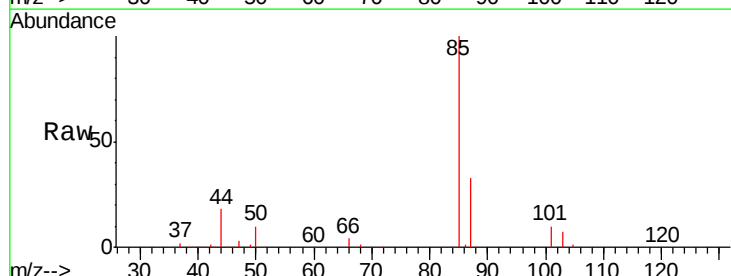
Acq: 17 Oct 2018 20:14

Tgt Ion: 85 Resp: 42857

Ion Ratio Lower Upper

85 100

87 32.9 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

50000

40000

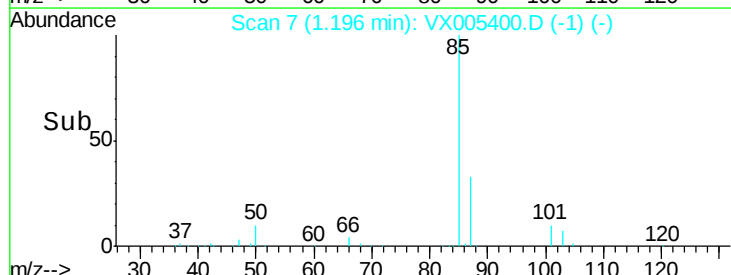
30000

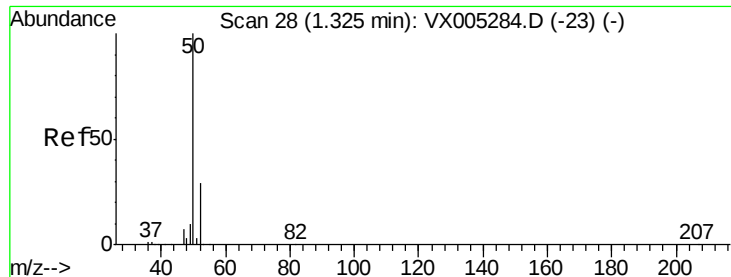
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.41 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion: 50 Resp: 60169

Ion Ratio Lower Upper

50 100

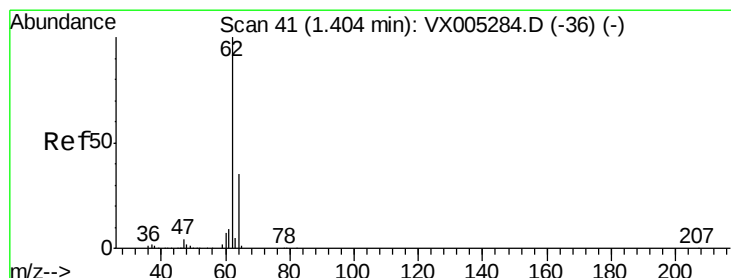
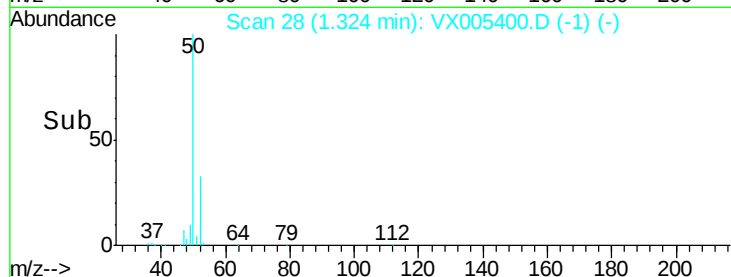
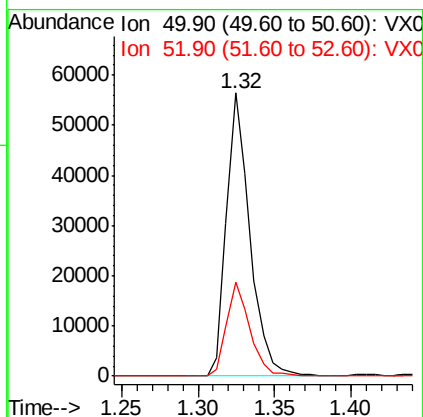
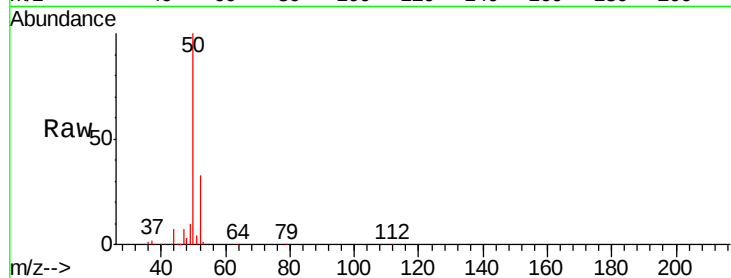
52 33.0 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:46 PM



#4

Vinyl Chloride

Concen: 18.44 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005400.D

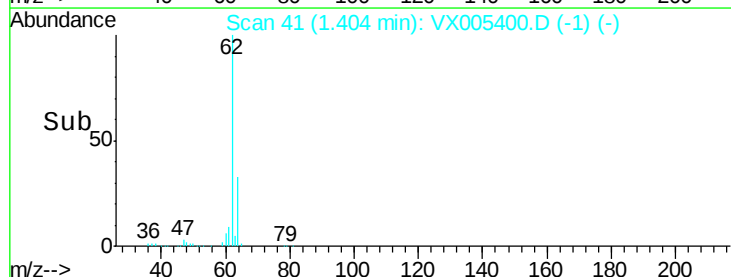
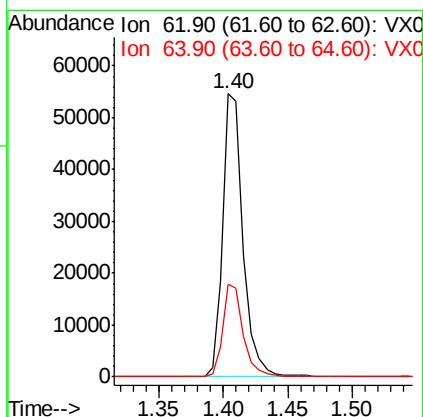
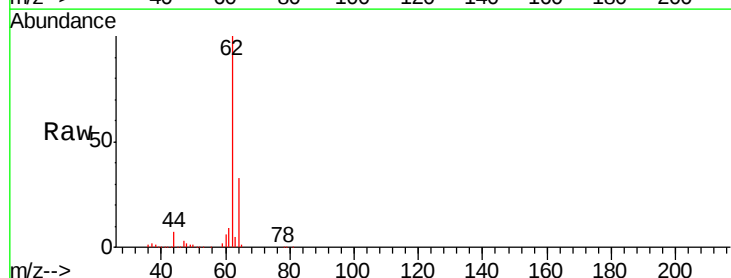
Acq: 17 Oct 2018 20:14

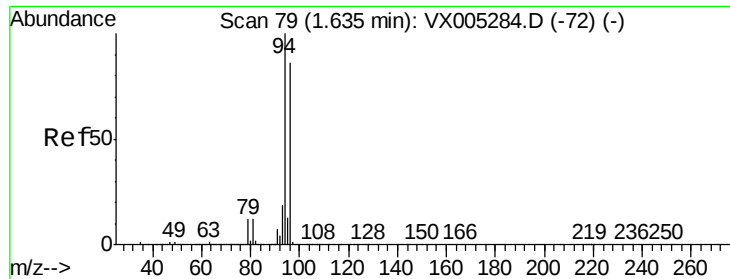
Tgt Ion: 62 Resp: 61072

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 20.49 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion: 94 Resp: 37659

Ion Ratio Lower Upper

94 100

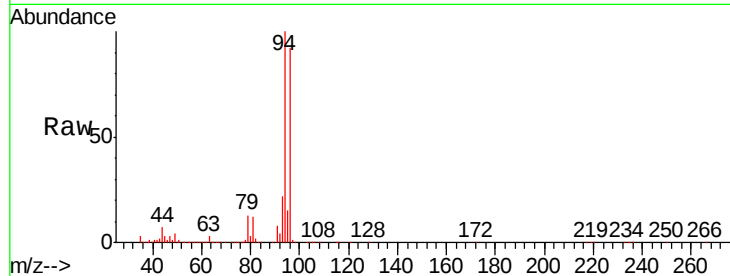
96 92.4 74.5 111.7

Manual Integrations

APPROVED

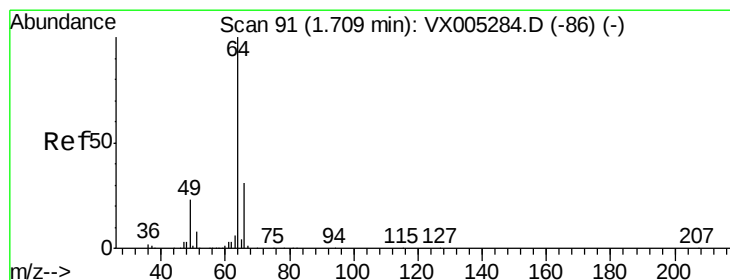
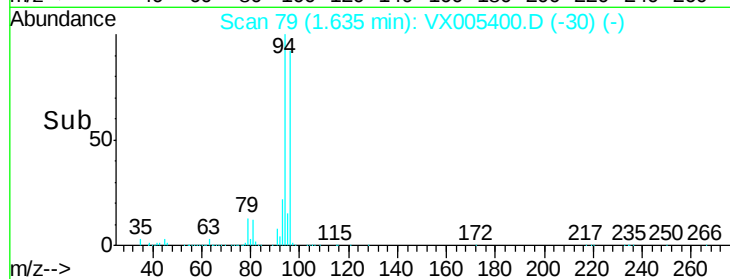
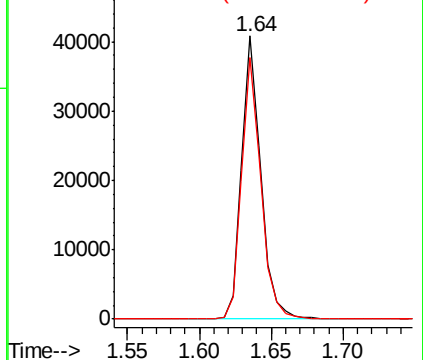
MMDadoda

10/19/2018 12:23:46 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.41 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005400.D

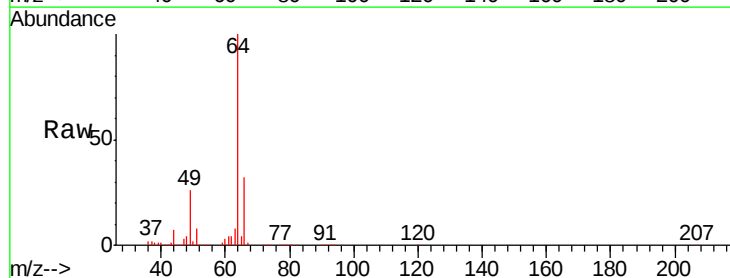
Acq: 17 Oct 2018 20:14

Tgt Ion: 64 Resp: 39886

Ion Ratio Lower Upper

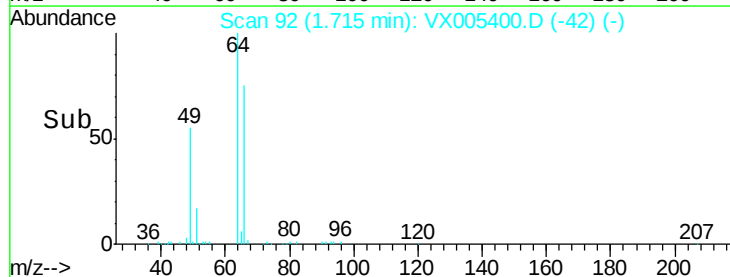
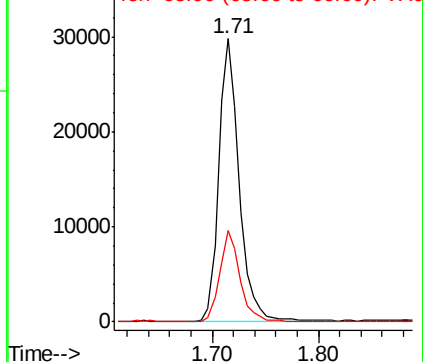
64 100

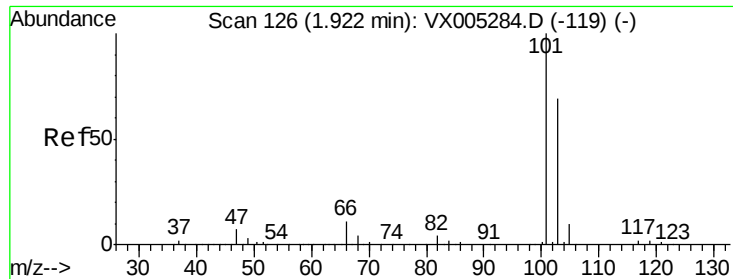
66 32.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

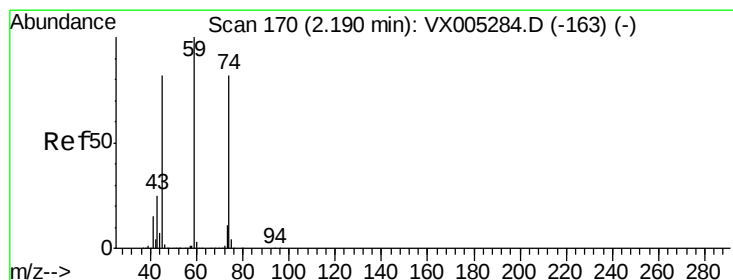
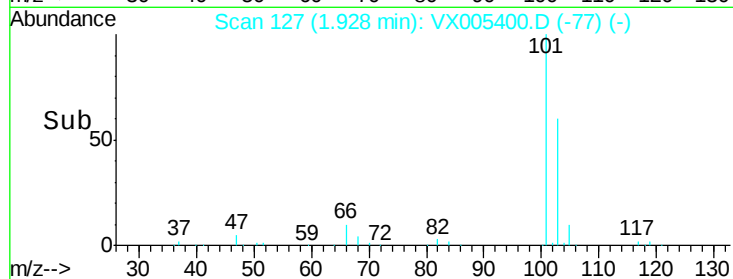
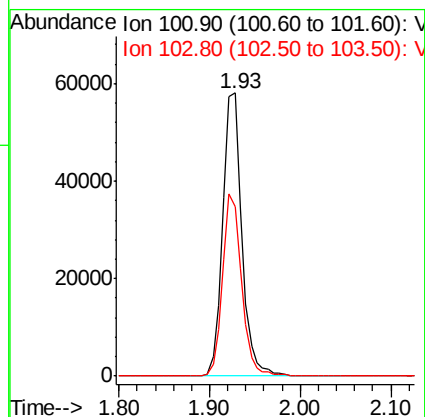
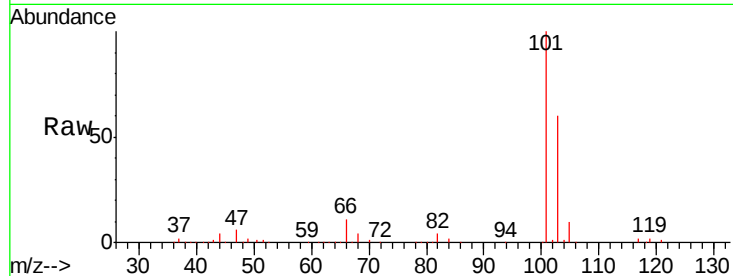
Trichlorofluoromethane
Concen: 19.43 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion:101 Resp: 85853
Ion Ratio Lower Upper
101 100
103 60.1 48.9 73.3

Manual Integrations
APPROVED

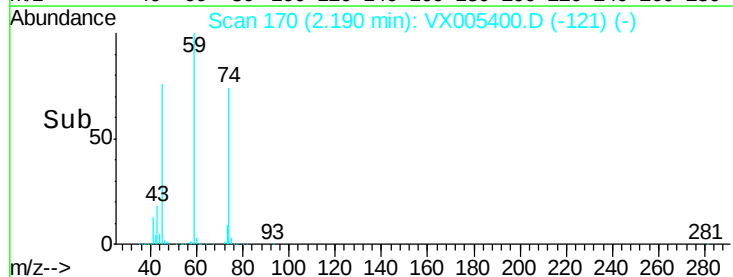
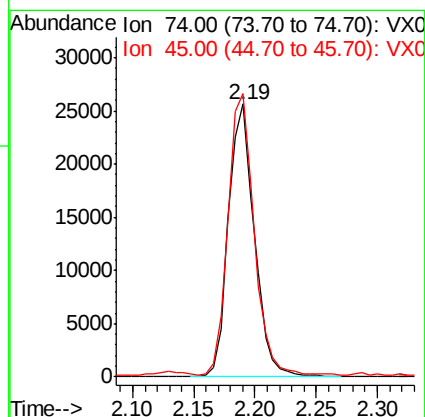
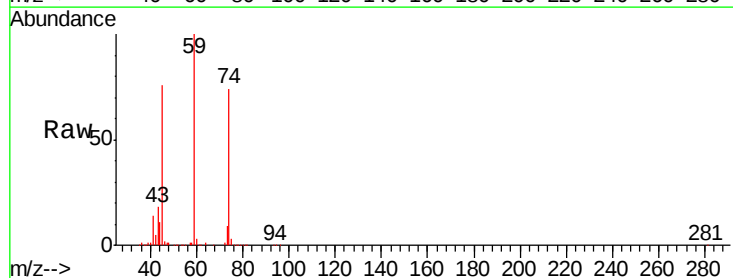
MMDadoda
10/19/2018 12:23:46 PM

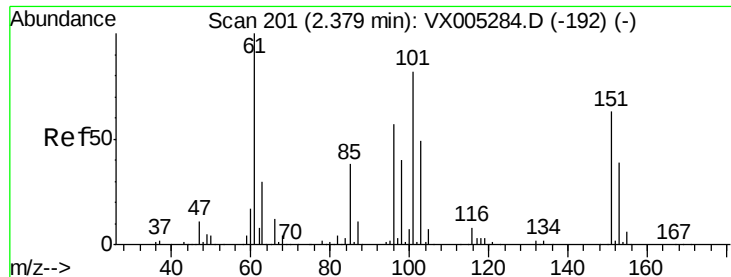


#8

Diethyl Ether
Concen: 19.91 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion: 74 Resp: 37558
Ion Ratio Lower Upper
74 100
45 103.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.09 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

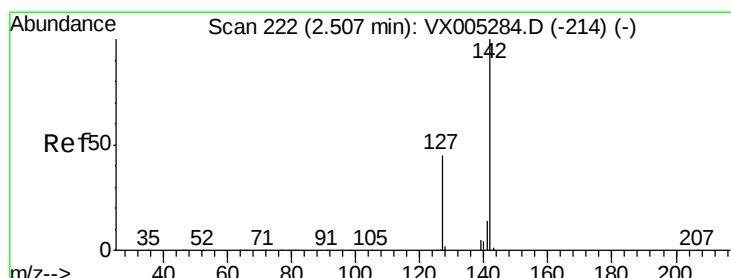
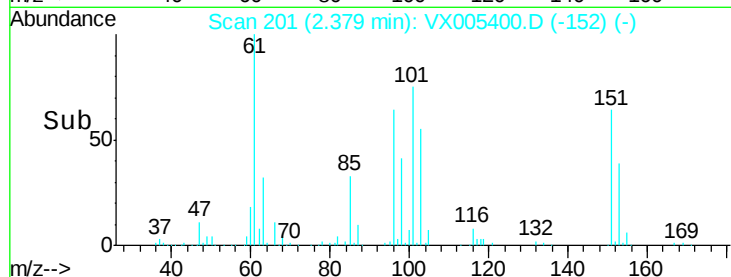
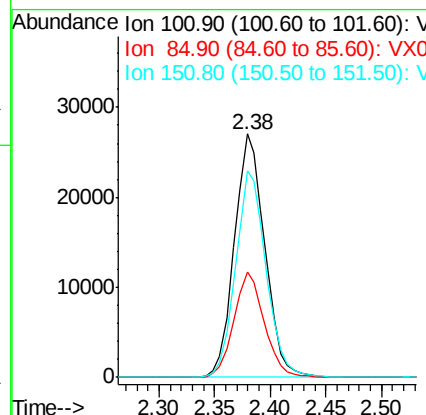
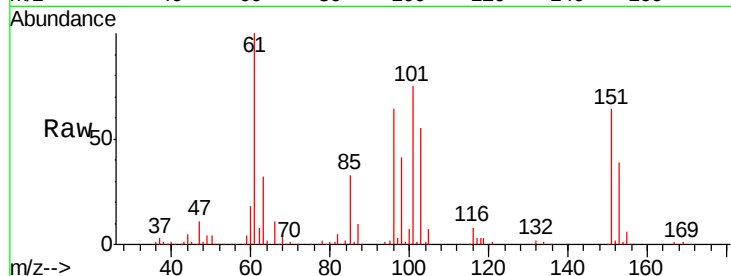
ClientSampleId :

VX1017WBS02

Tgt Ion:	101	Resp:	51228
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.2	51.4
151	85.2	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#10

Methyl Iodide

Concen: 20.75 ug/l

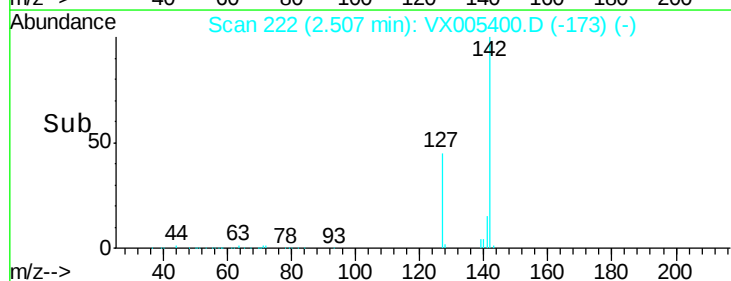
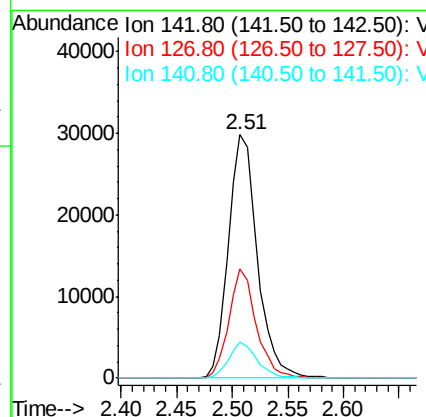
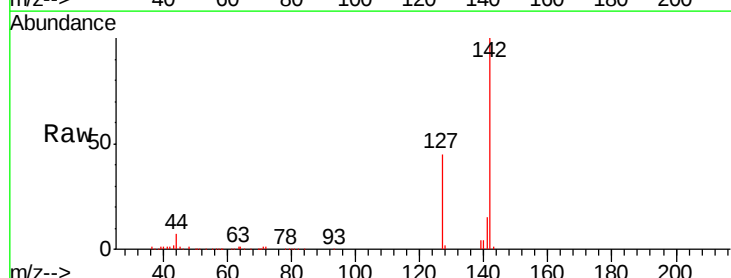
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Tgt Ion:	142	Resp:	53751
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.8	50.6
141	14.7	11.4	17.0





#11

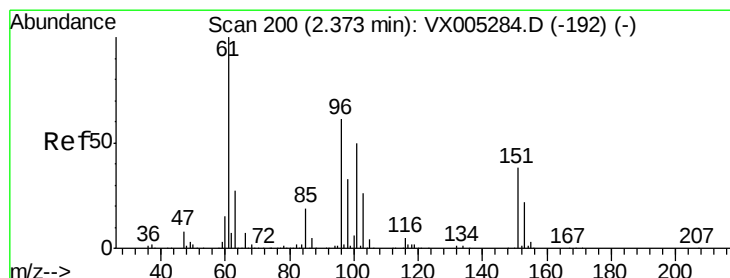
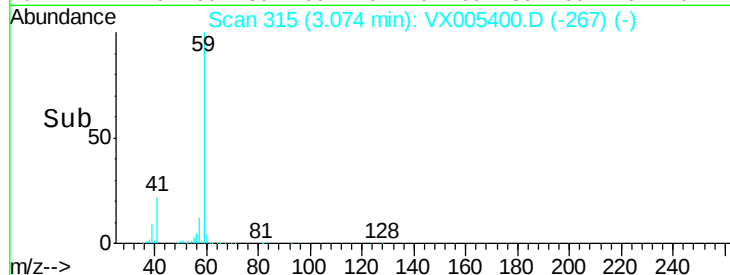
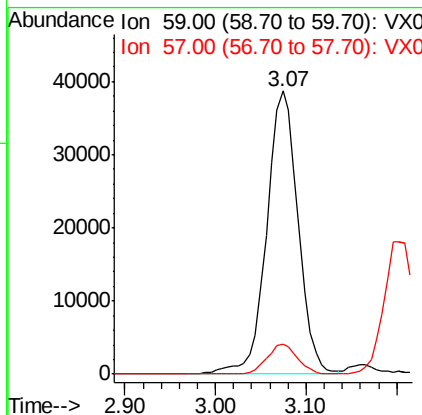
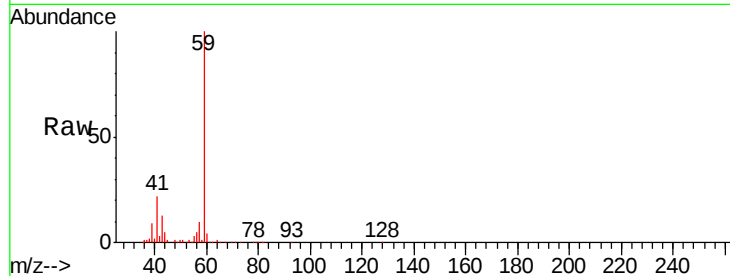
Tert butyl alcohol
Concen: 102.87 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion: 59 Resp: 92912
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

Manual Integrations
APPROVED

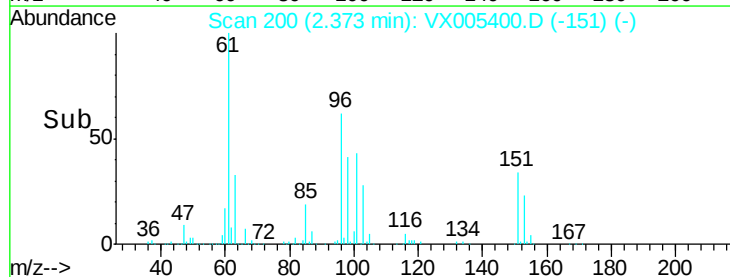
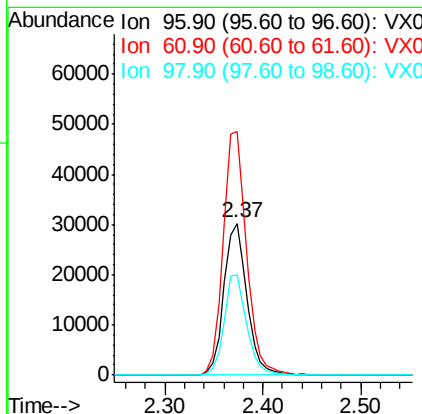
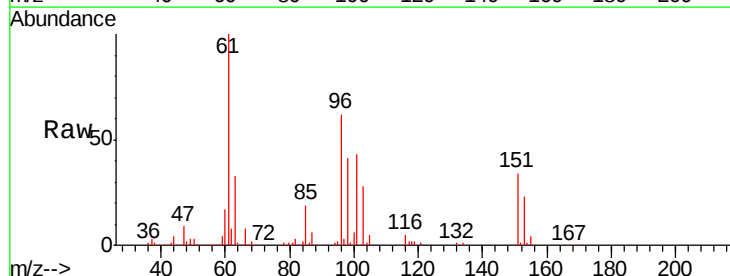
MMDadoda
10/19/2018 12:23:46 PM

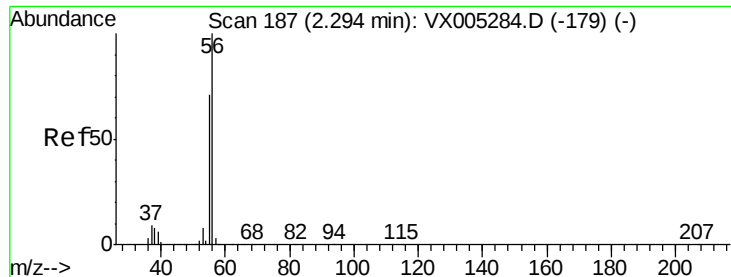


#12

1,1-Dichloroethene
Concen: 19.62 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion: 96 Resp: 49566
Ion Ratio Lower Upper
96 100
61 160.4 128.8 193.2
98 65.9 52.2 78.2





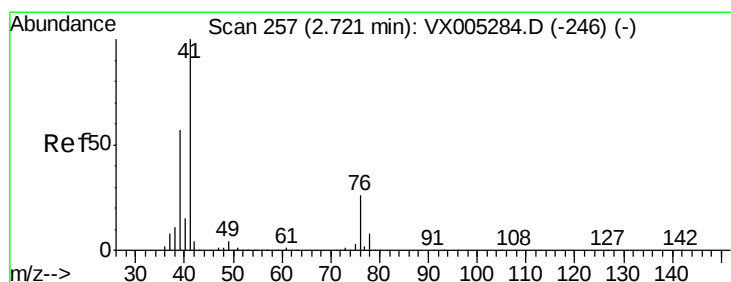
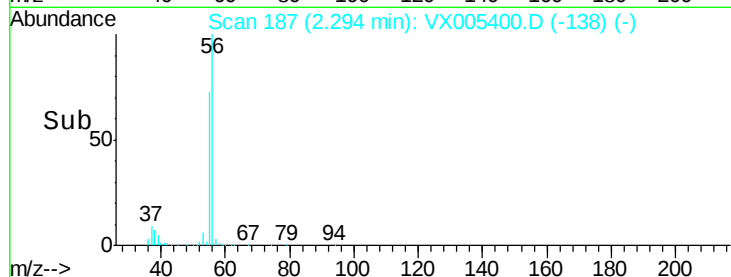
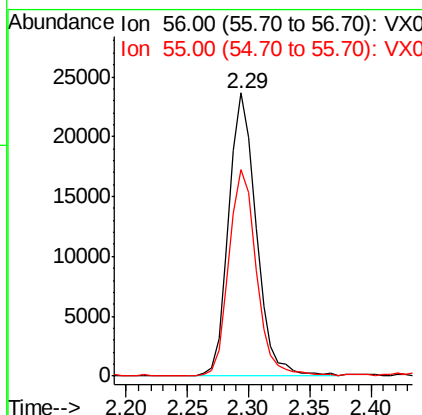
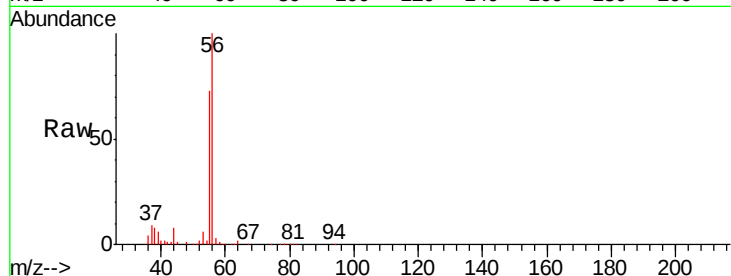
#13
Acrolein
Concen: 62.27 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.1	54.7	82.1

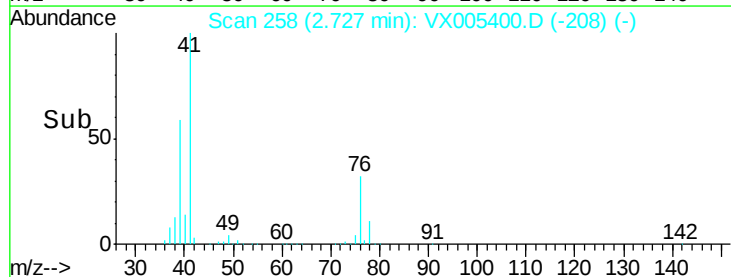
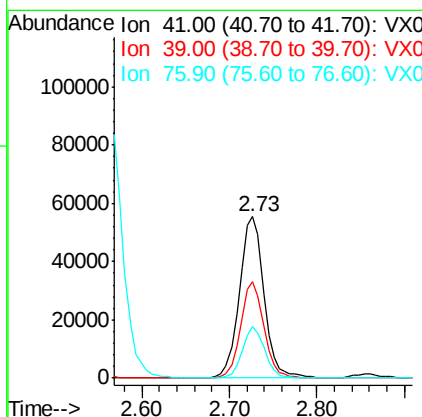
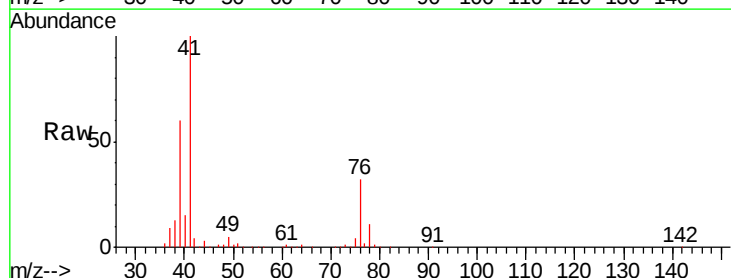
Manual Integrations
APPROVED

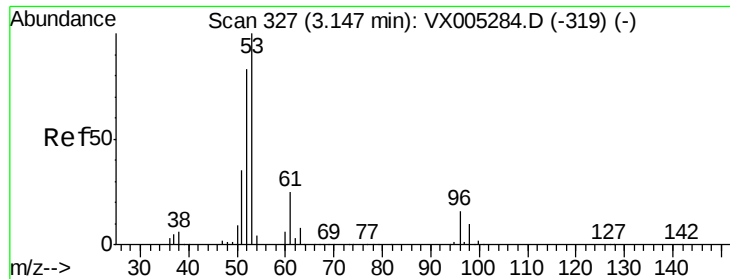
MMDadoda
10/19/2018 12:23:46 PM



#14
Allyl chloride
Concen: 19.48 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.9	48.9	73.3
76	29.1	26.7	40.1





#15

Acrylonitrile

Concen: 96.43 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

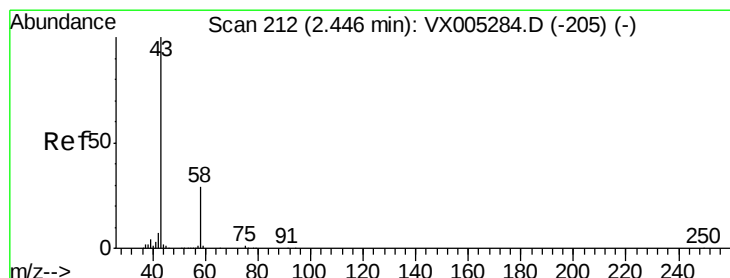
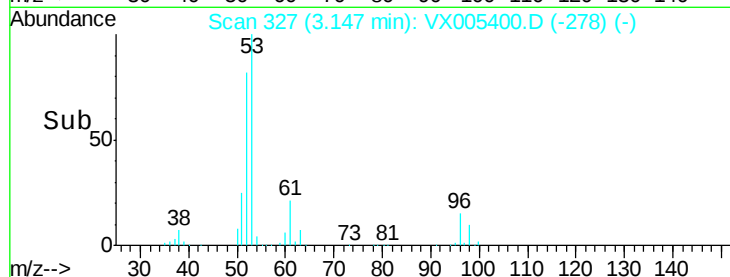
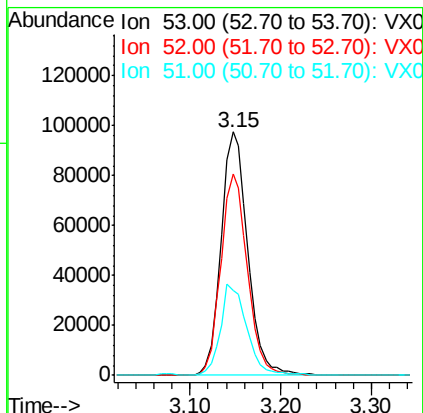
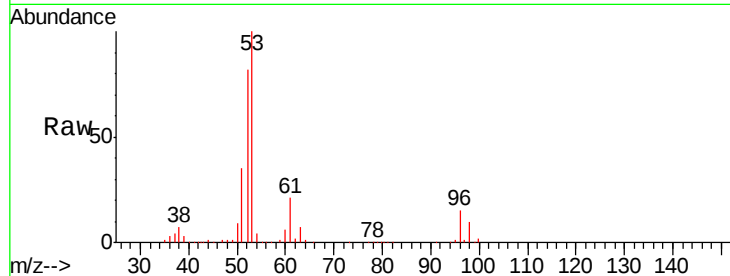
ClientSampleId :

VX1017WBS02

Tgt Ion:	53	Resp:	197371
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.2	97.8
51	37.1	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#16

Acetone

Concen: 91.67 ug/l

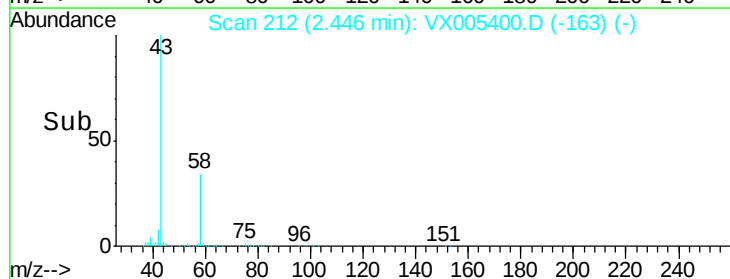
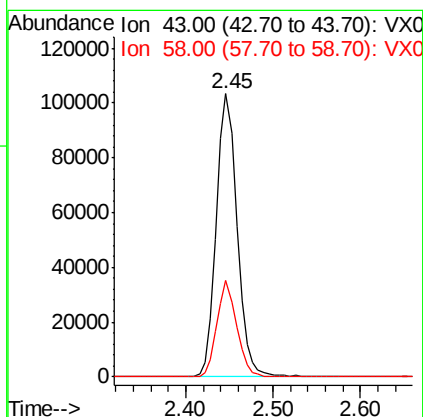
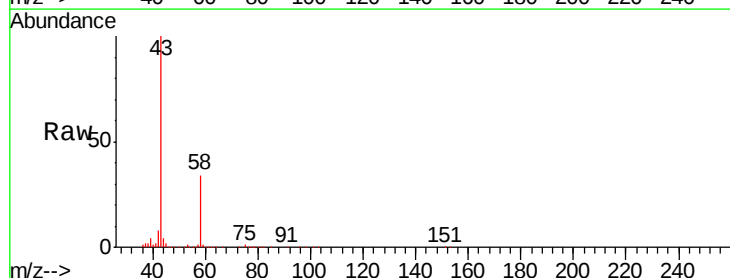
RT: 2.45 min Scan# 212

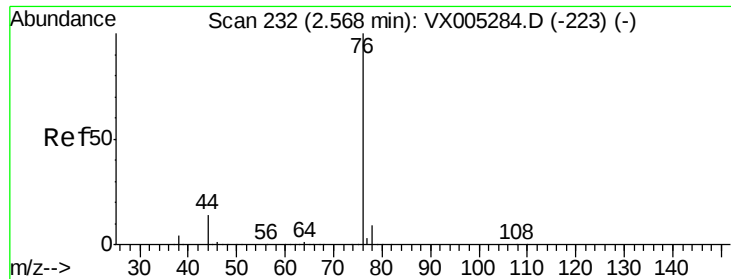
Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Tgt Ion:	43	Resp:	169713
Ion	Ratio	Lower	Upper
43	100		
58	34.3	26.2	39.4





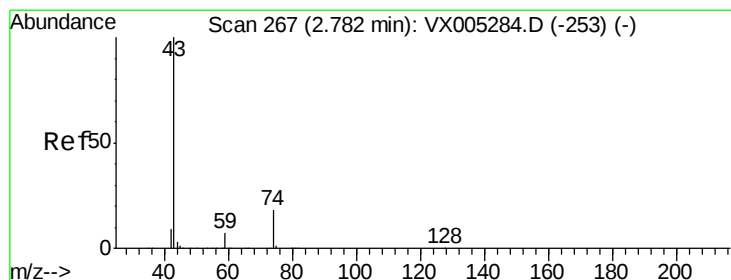
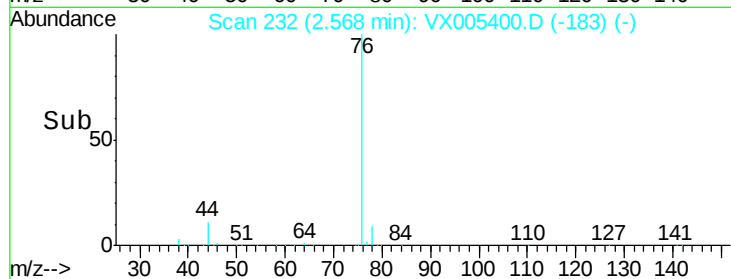
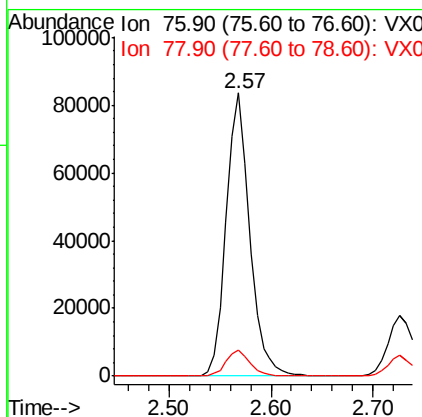
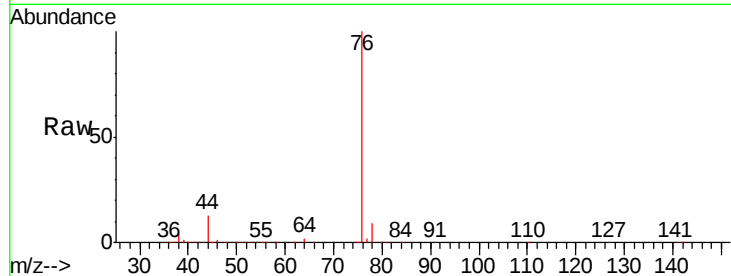
#17
Carbon Disulfide
Concen: 17.50 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

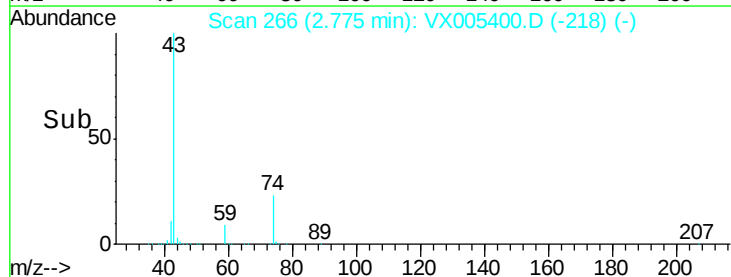
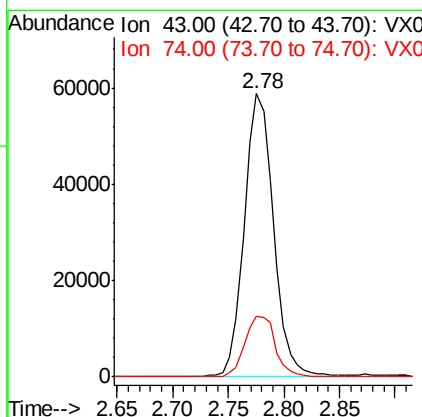
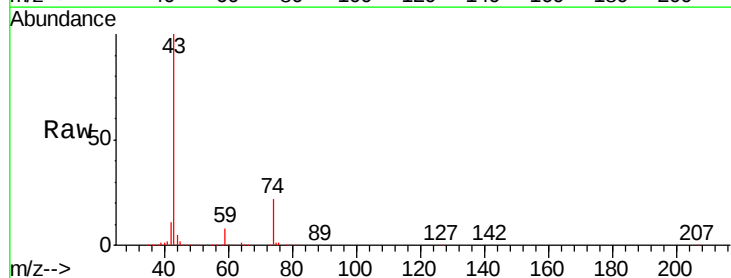
Manual Integrations
APPROVED

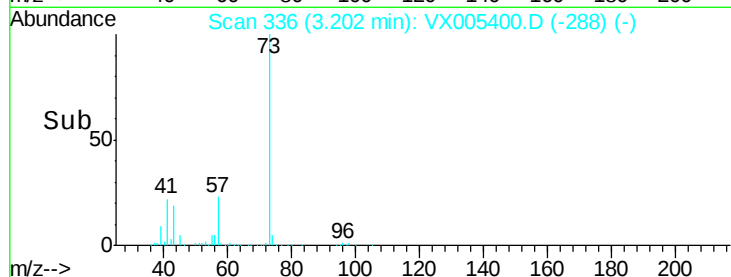
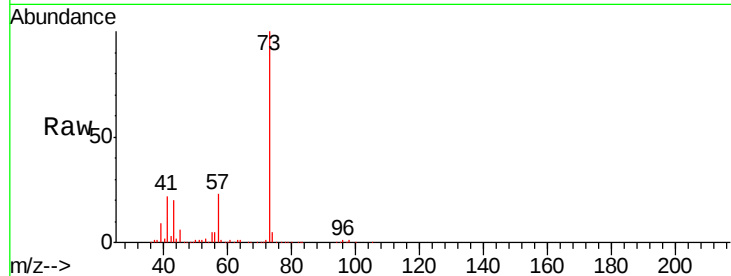
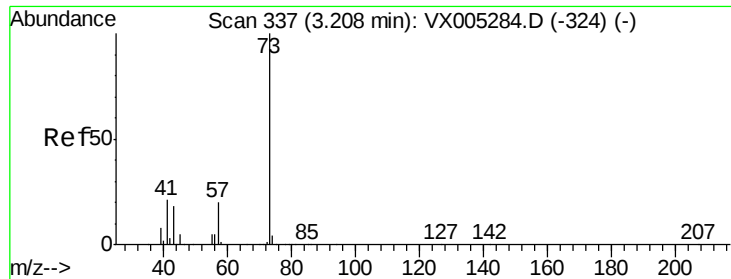
MMDadoda
10/19/2018 12:23:46 PM



#18
Methyl Acetate
Concen: 20.28 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	19.4	29.2





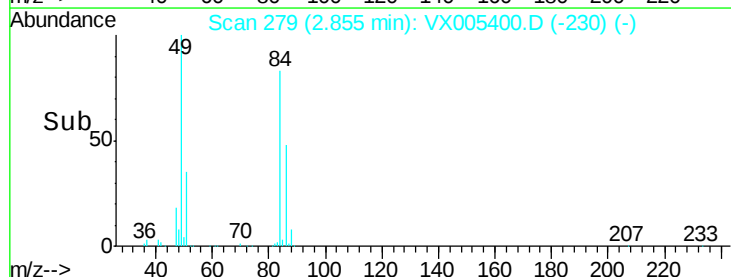
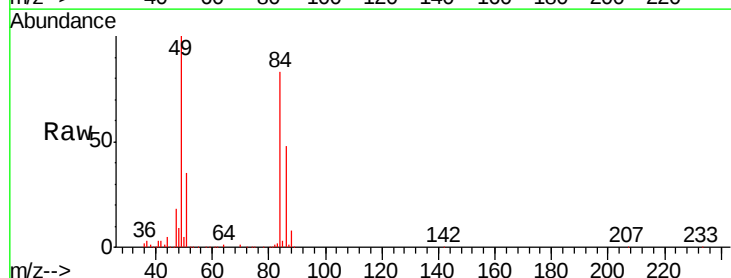
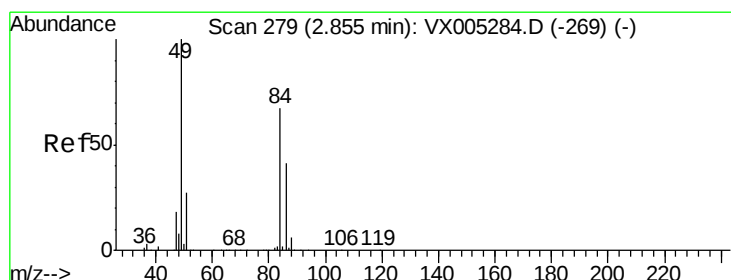
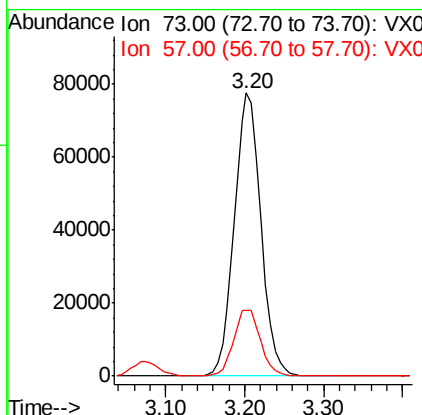
#19
Methyl tert-butyl Ether
Concen: 20.46 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion: 73 Resp: 182070
Ion Ratio Lower Upper
73 100
57 23.2 17.1 25.7

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

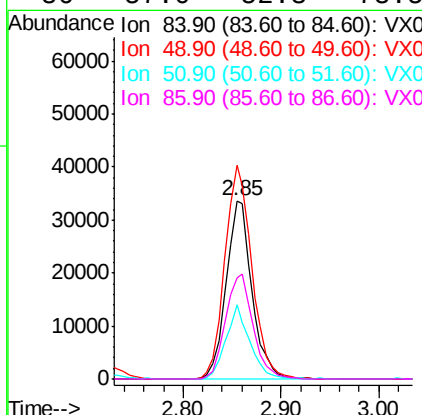
Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#20
Methylene Chloride
Concen: 22.02 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion: 84 Resp: 61367
Ion Ratio Lower Upper
84 100
49 119.8 101.2 151.8
51 41.4 29.5 44.3
86 57.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.26 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

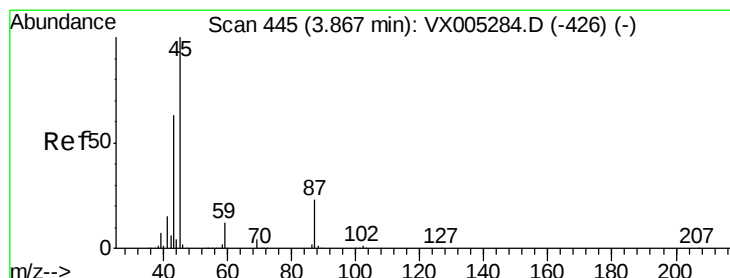
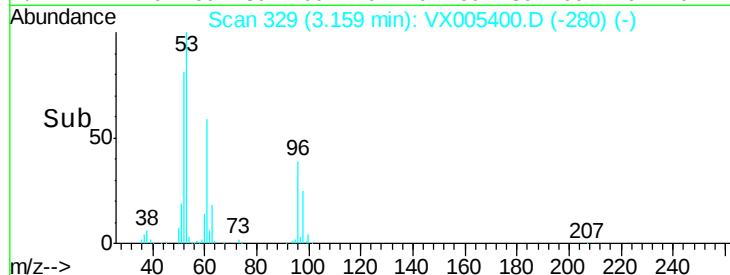
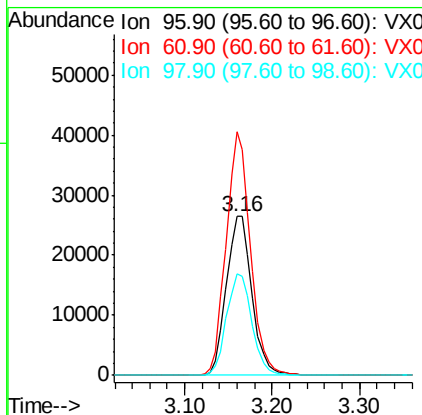
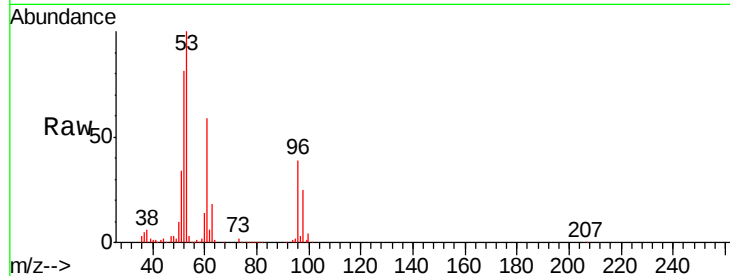
ClientSampleId :

VX1017WBS02

Tgt Ion:	96	Resp:	53943
Ion	Ratio	Lower	Upper
96	100		
61	153.2	113.8	170.6
98	63.9	51.8	77.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#22

Diisopropyl ether

Concen: 19.94 ug/l

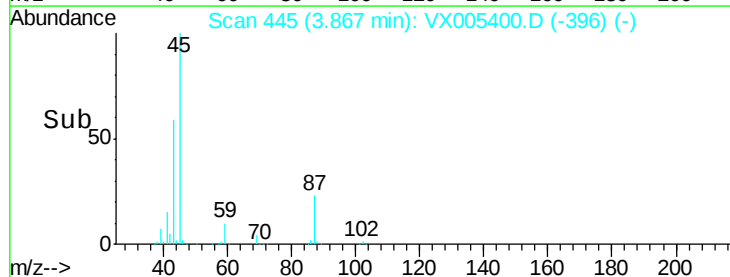
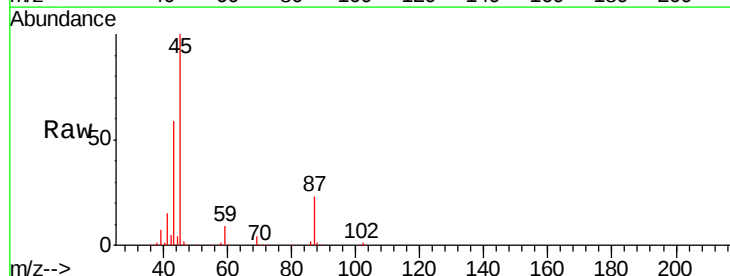
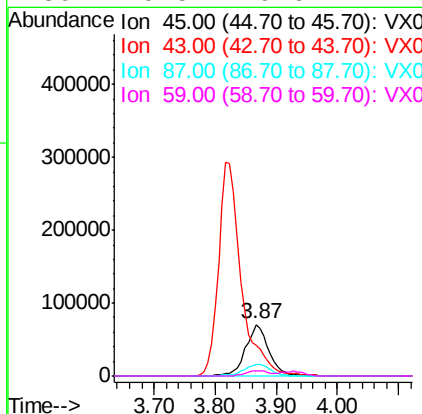
RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Tgt Ion:	45	Resp:	185764
Ion	Ratio	Lower	Upper
45	100		
43	59.2	42.8	64.2
87	22.8	22.6	34.0
59	9.5	9.6	14.4#





#23

Vinyl Acetate

Concen: 94.12 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion: 43 Resp: 766563

Ion Ratio Lower Upper

43 100

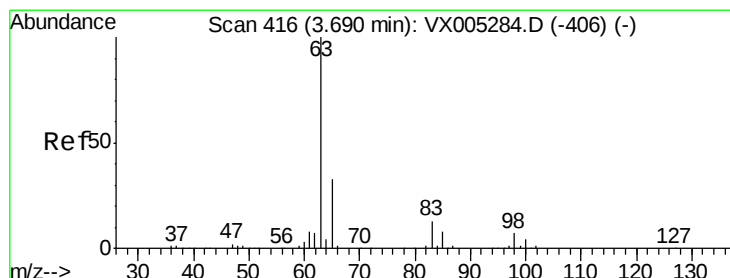
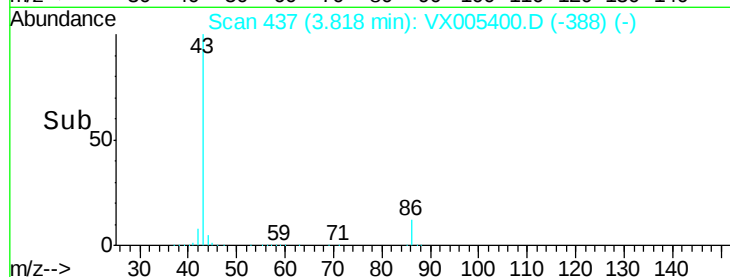
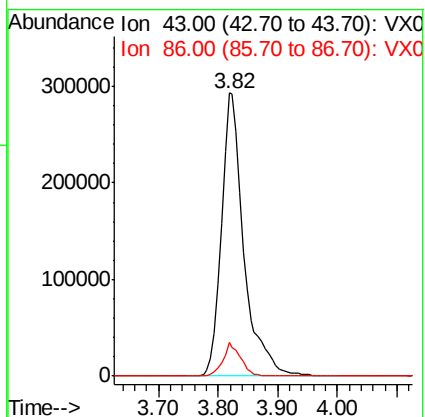
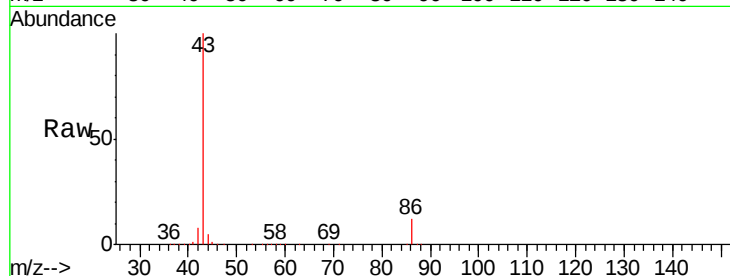
86 12.1 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:46 PM



#24

1,1-Dichloroethane

Concen: 19.70 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

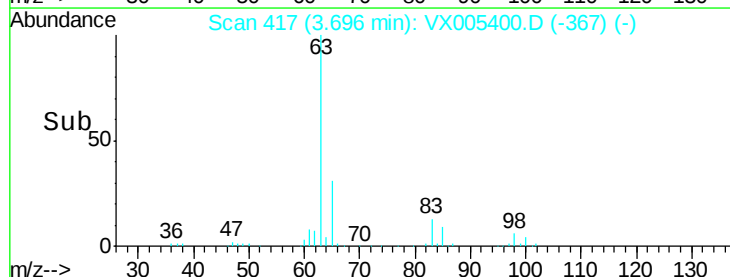
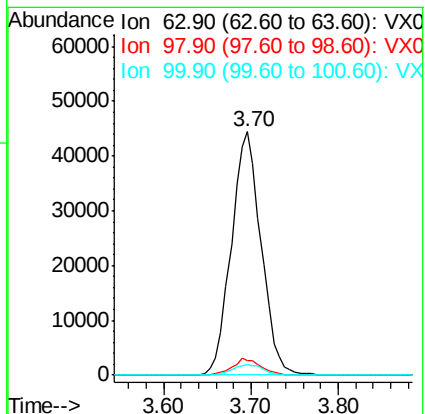
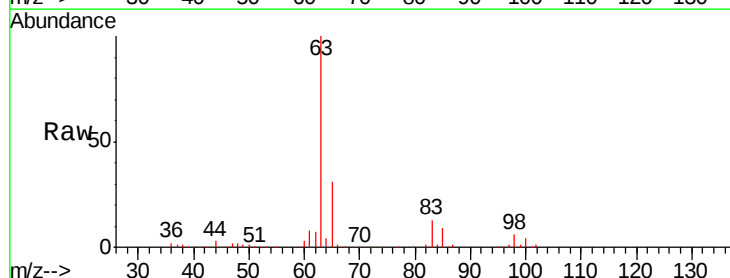
Tgt Ion: 63 Resp: 105189

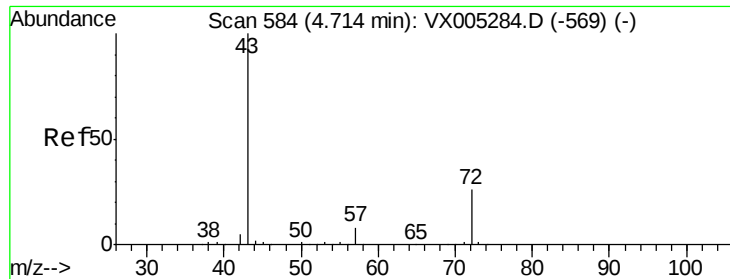
Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 98.74 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion: 43 Resp: 267450

Ion Ratio Lower Upper

43 100

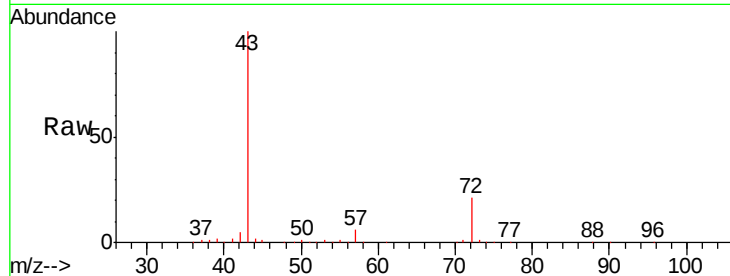
72 20.8 22.0 33.0#

Manual Integrations

APPROVED

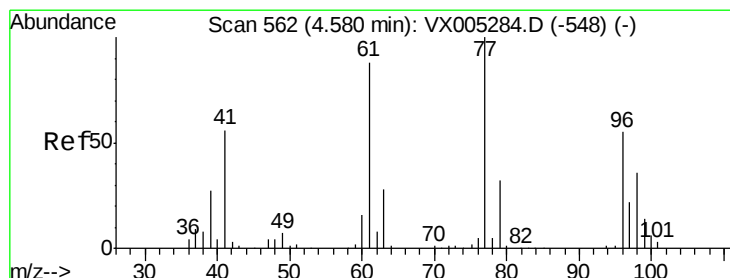
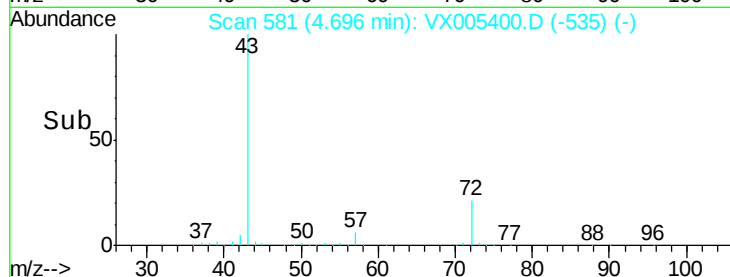
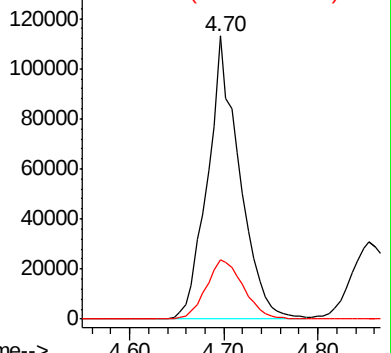
MMDadoda

10/19/2018 12:23:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.77 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005400.D

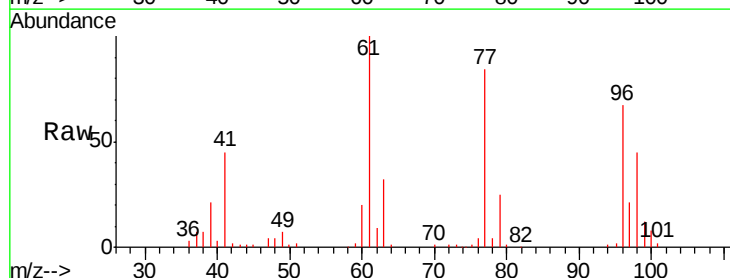
Acq: 17 Oct 2018 20:14

Tgt Ion: 77 Resp: 70960

Ion Ratio Lower Upper

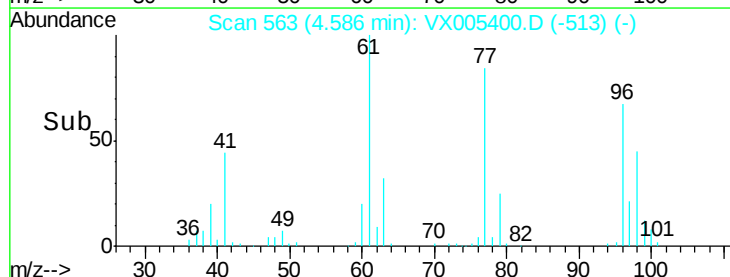
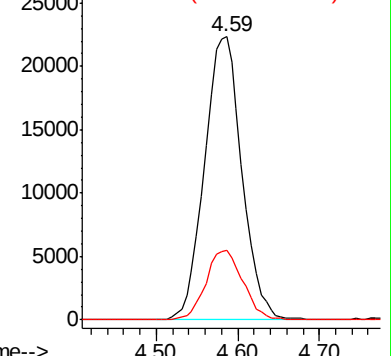
77 100

97 24.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 18.83 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

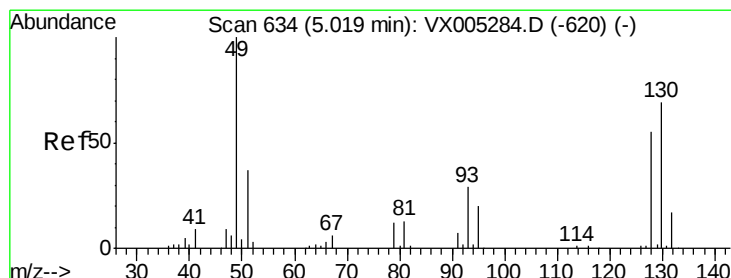
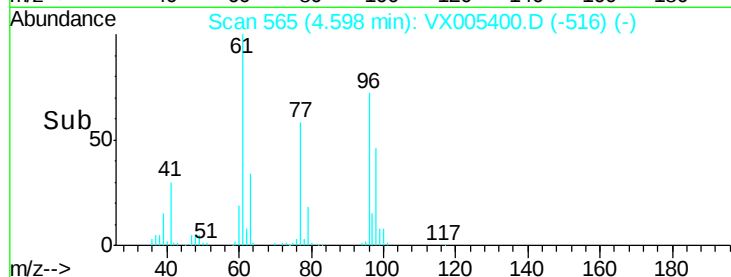
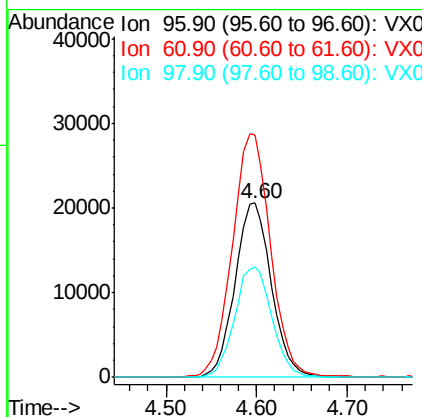
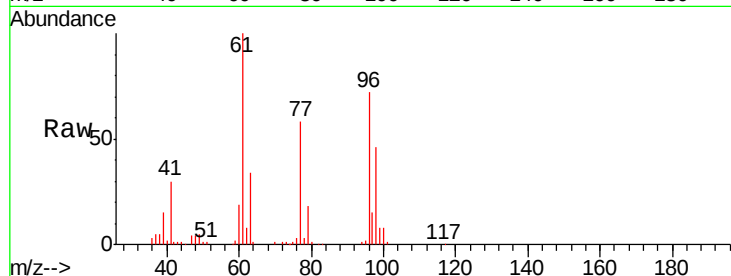
ClientSampleId :

VX1017WBS02

Tgt Ion:	96	Resp:	57291
Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	282.6
98	64.7	0.0	130.2

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#28

Bromochloromethane

Concen: 19.07 ug/l

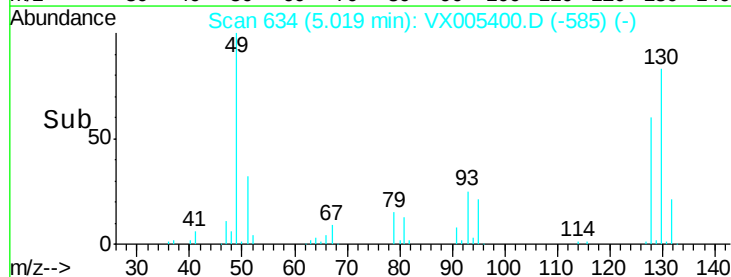
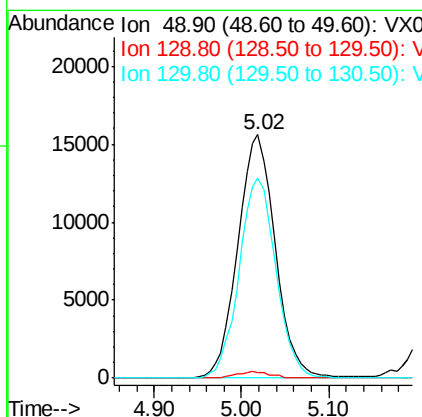
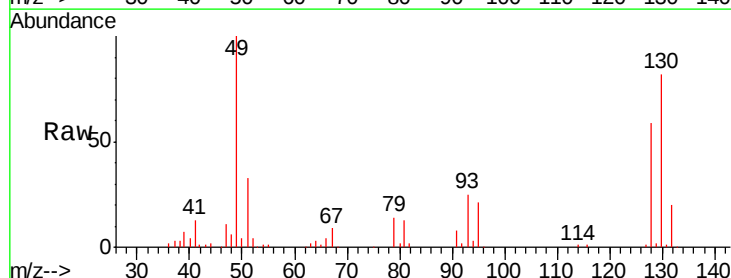
RT: 5.02 min Scan# 634

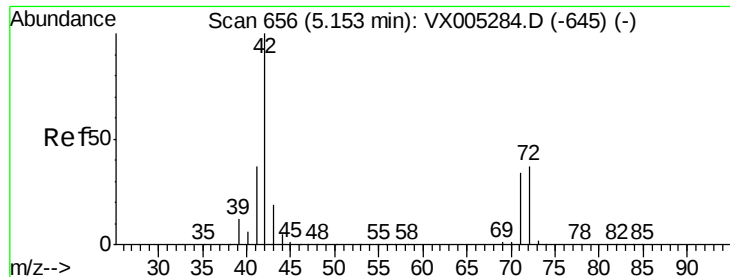
Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Tgt Ion:	49	Resp:	46428
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	81.0	67.5	101.3





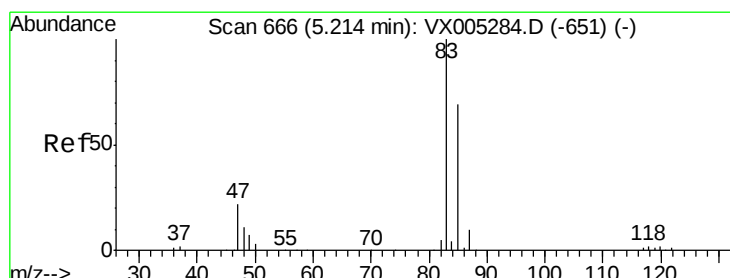
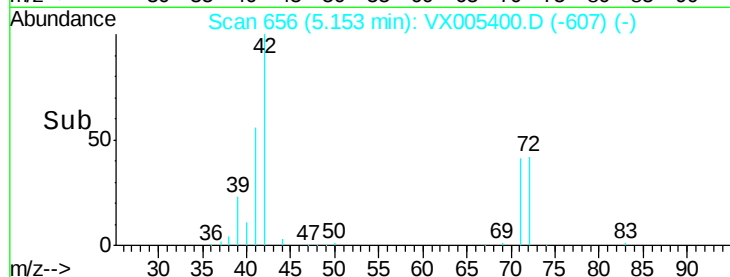
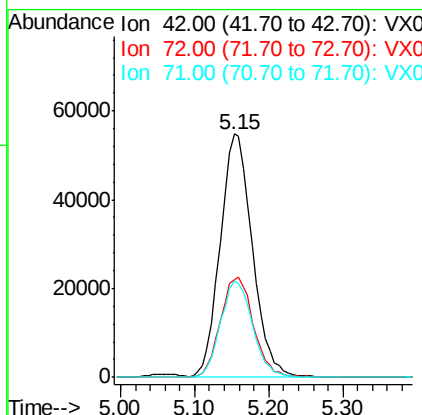
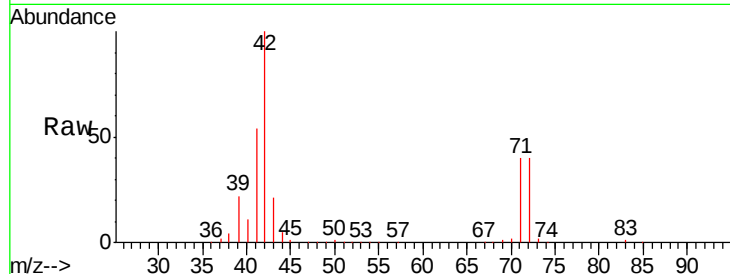
#29
Tetrahydrofuran
Concen: 95.07 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.6	37.4	56.0
71	39.8	34.5	51.7

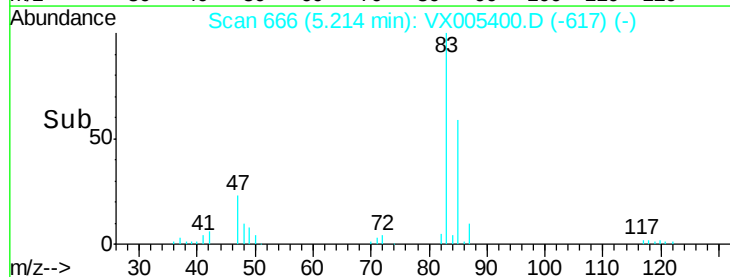
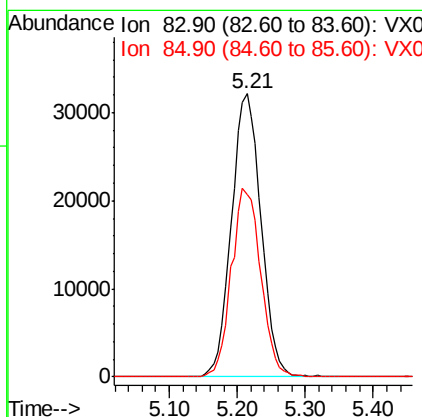
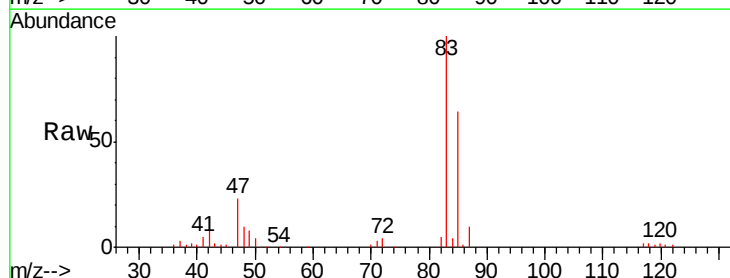
Manual Integrations
APPROVED

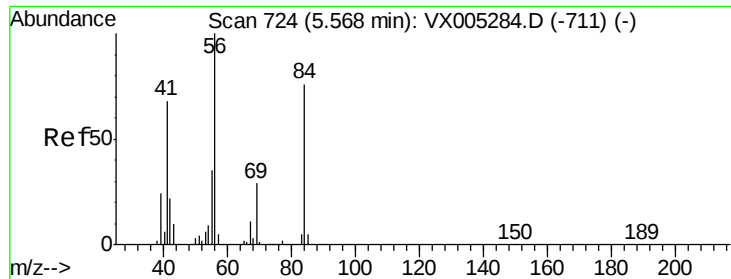
MMDadoda
10/19/2018 12:23:46 PM



#30
Chloroform
Concen: 19.55 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	79.0





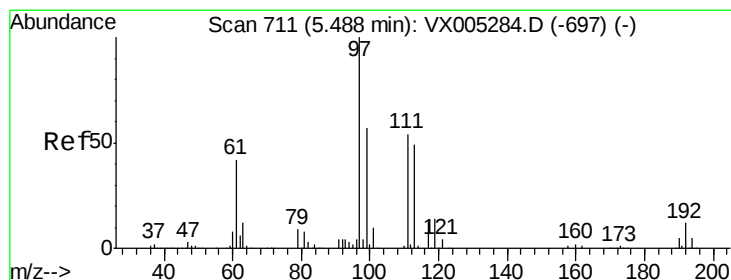
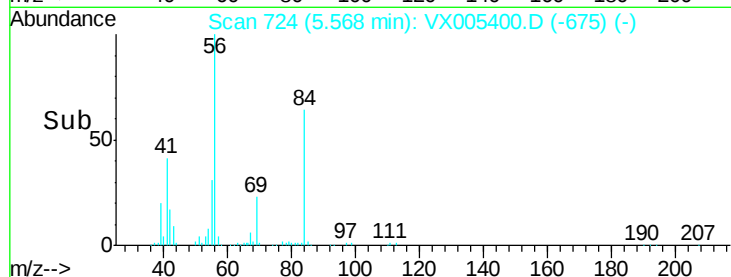
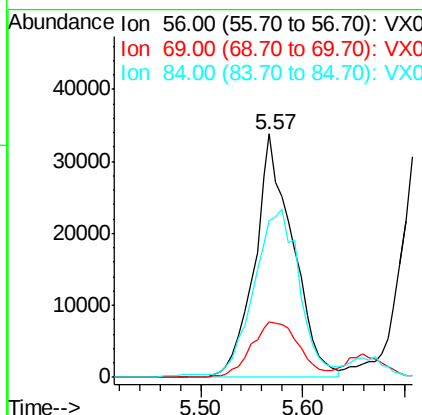
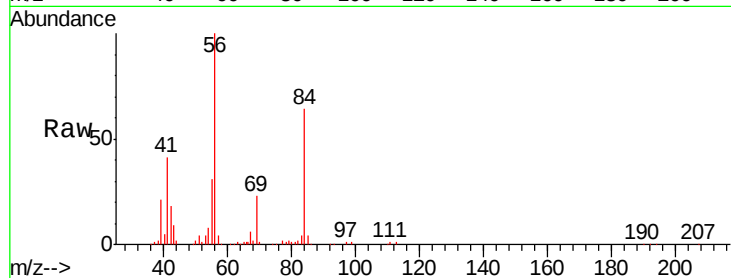
#31
Cyclohexane
Concen: 19.95 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	22.9	25.4	38.2#
84	62.8	71.4	107.2#

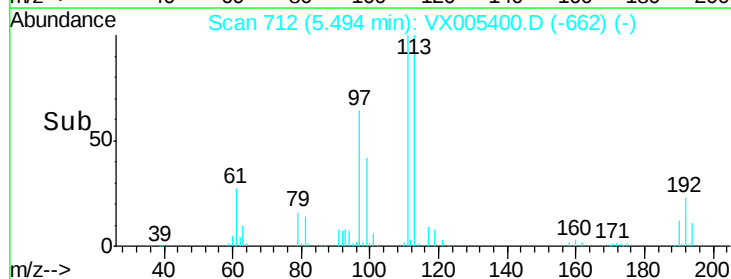
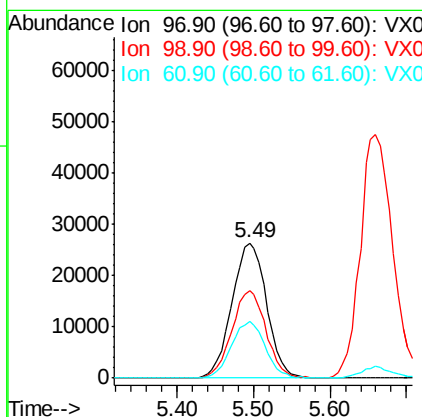
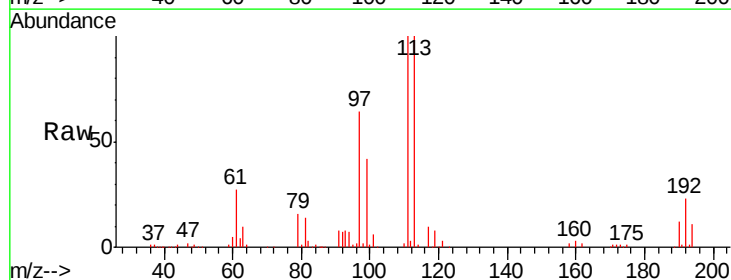
Manual Integrations
APPROVED

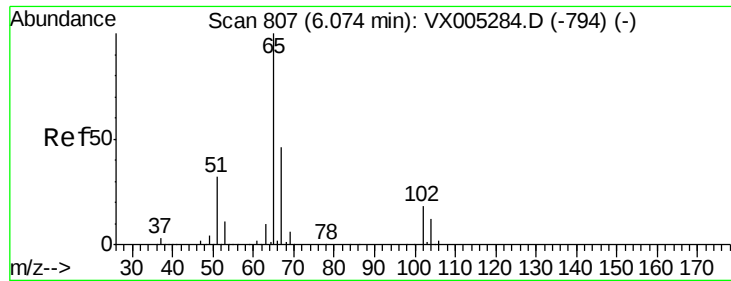
MMDadoda
10/19/2018 12:23:46 PM



#32
1,1,1-Trichloroethane
Concen: 19.16 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.0	78.0
61	41.6	34.9	52.3





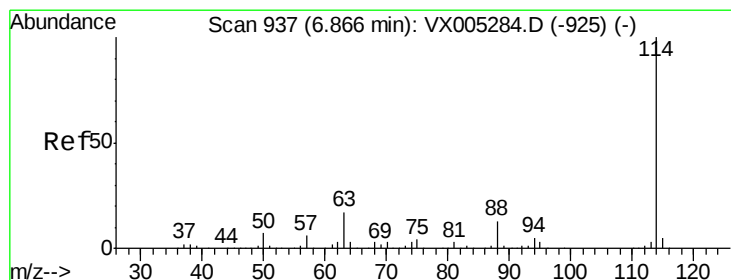
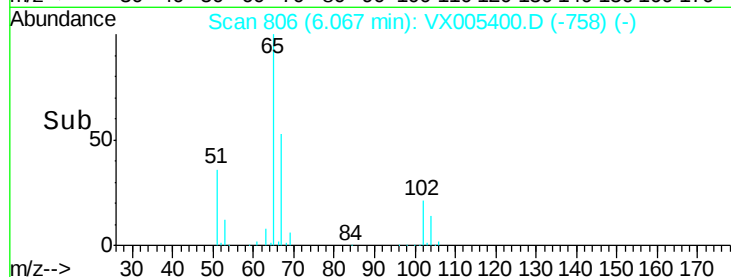
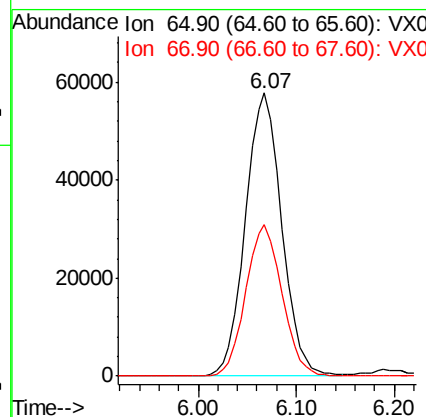
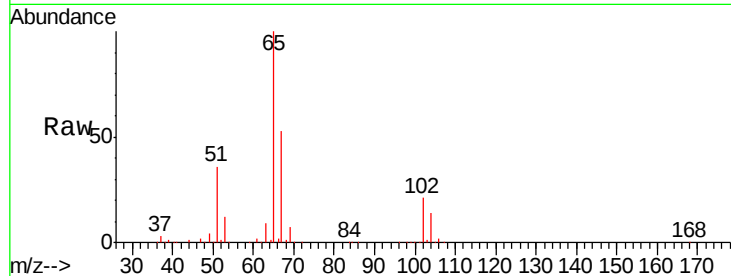
#33
 1,2-Dichloroethane-d4
 Concen: 46.46 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS02

Tgt Ion: 65 Resp: 148773
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8

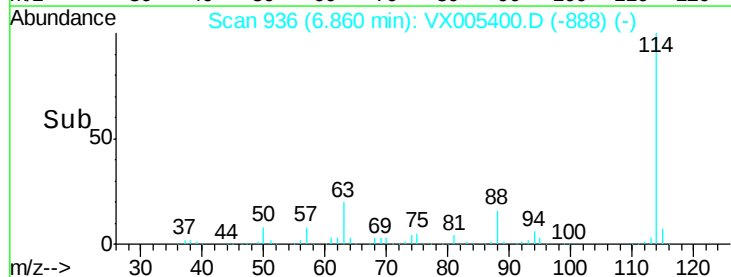
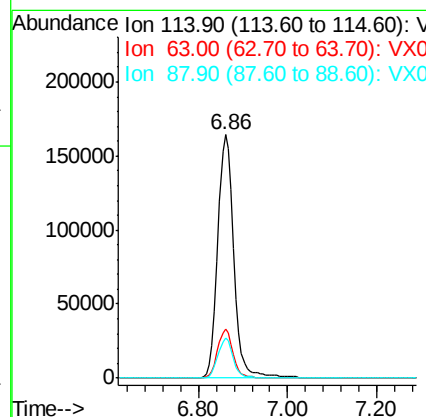
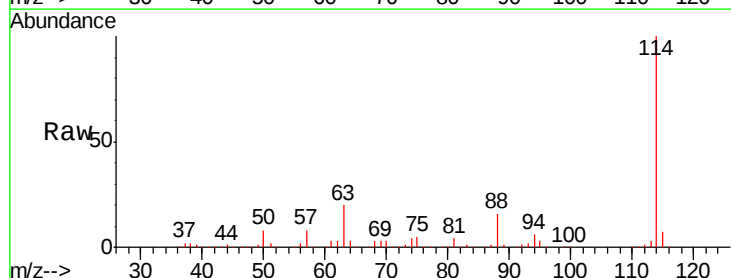
Manual Integrations
 APPROVED

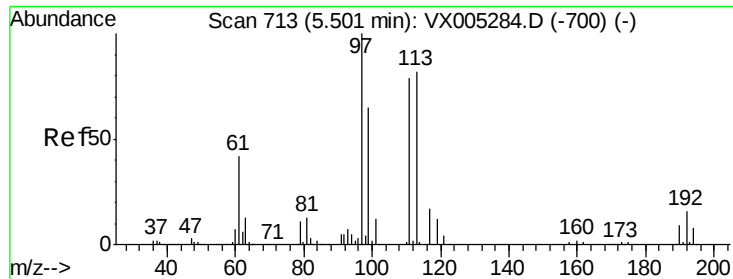
MMDadoda
 10/19/2018 12:23:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Tgt Ion: 114 Resp: 411331
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 16.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 46.47 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

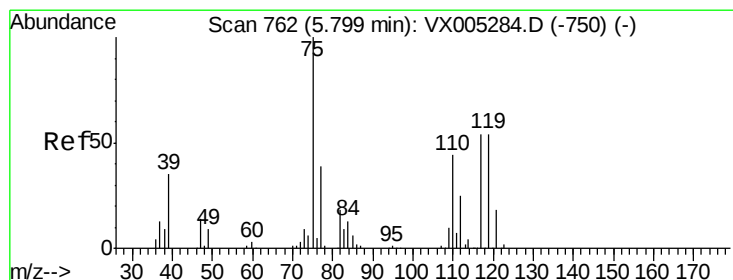
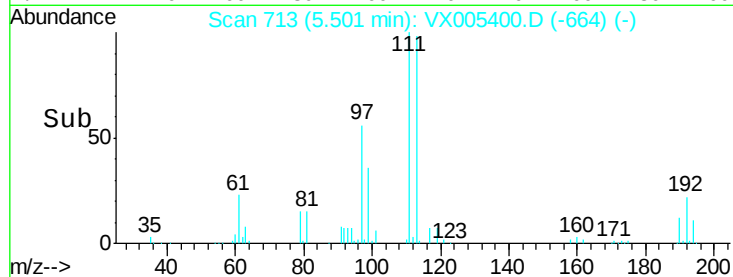
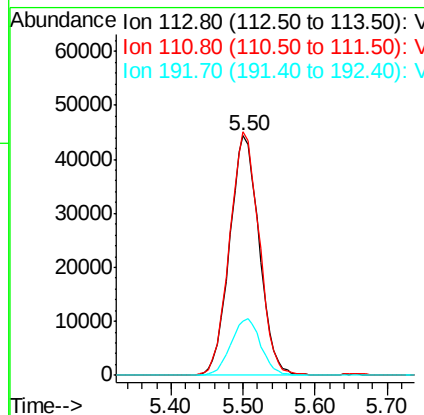
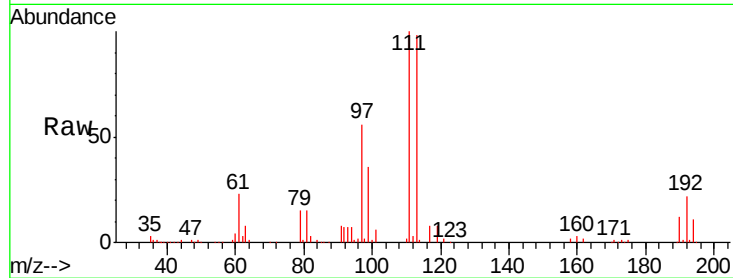
ClientSampleId :

VX1017WBS02

Tgt Ion:	113	Resp:	126600
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.4	123.6
192	23.8	19.4	29.2

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#36

1,1-Dichloropropene

Concen: 17.02 ug/l

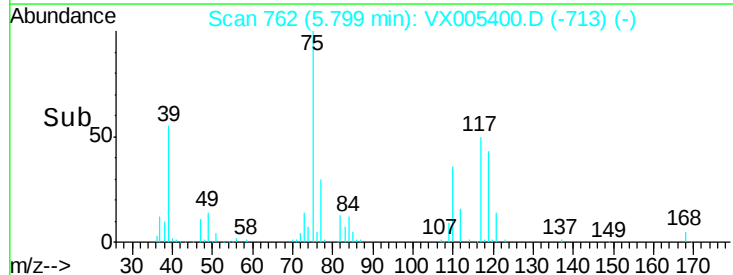
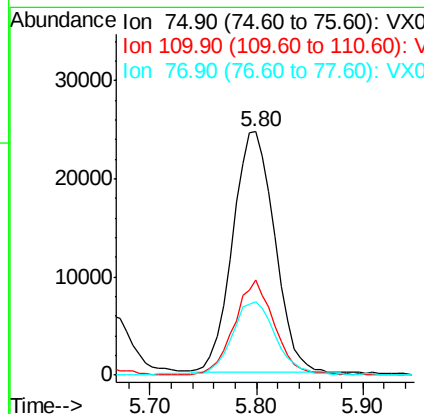
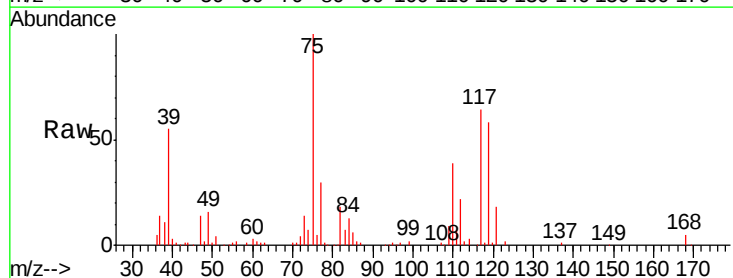
RT: 5.80 min Scan# 762

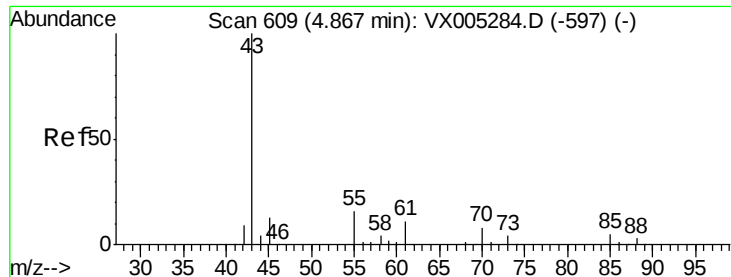
Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Tgt Ion:	75	Resp:	67792
Ion Ratio	Lower	Upper	
75	100		
110	38.0	18.0	54.0
77	31.3	24.6	36.8





#37

Ethyl Acetate

Concen: 17.66 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

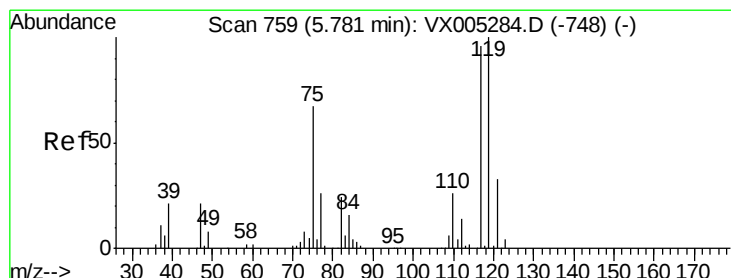
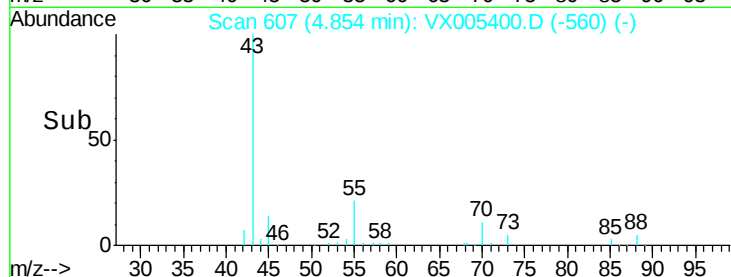
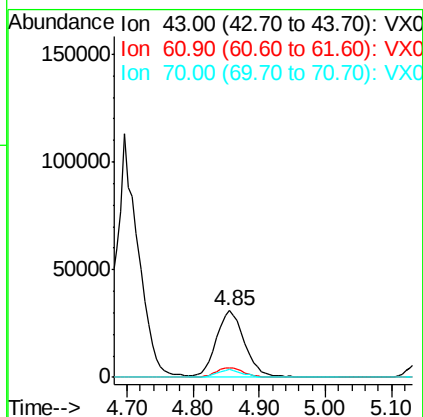
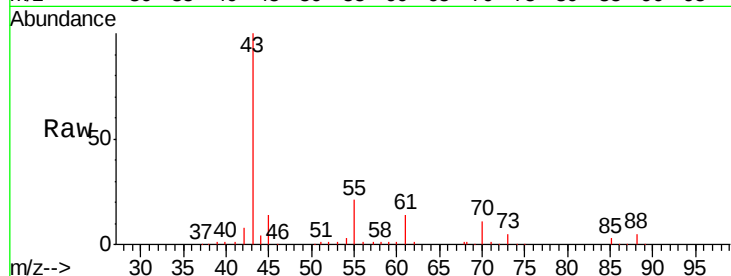
ClientSampleId :

VX1017WBS02

Tgt Ion:	43	Resp:	90481
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	10.5	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#38

Carbon Tetrachloride

Concen: 17.96 ug/l

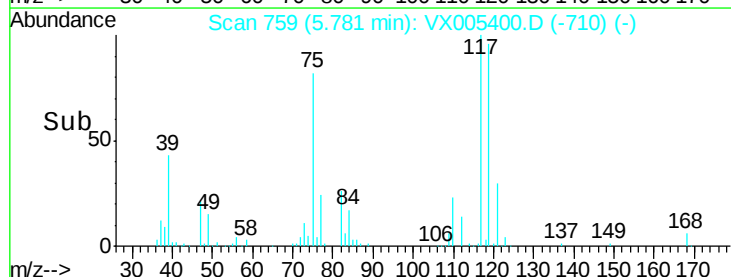
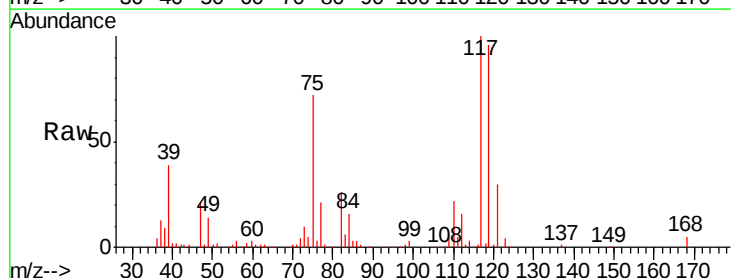
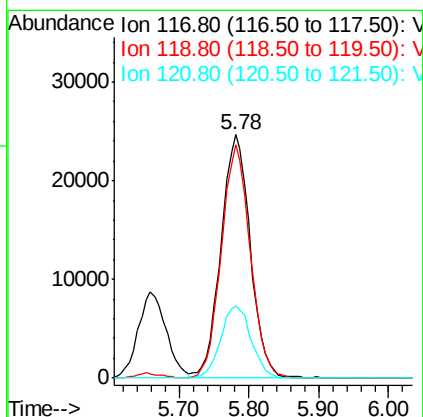
RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Tgt Ion:	117	Resp:	71879
Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.8	118.2
121	29.8	24.9	37.3





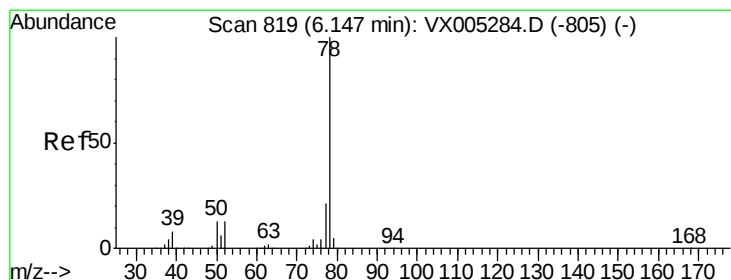
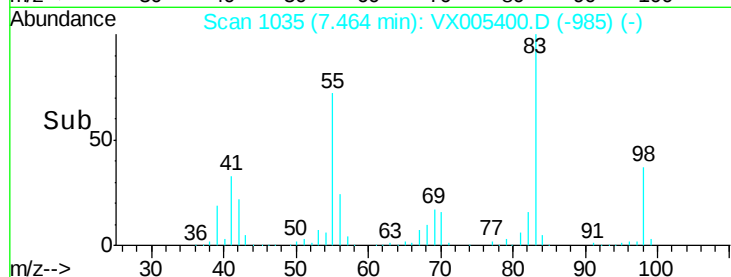
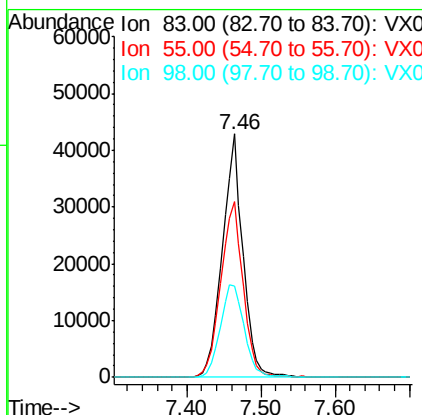
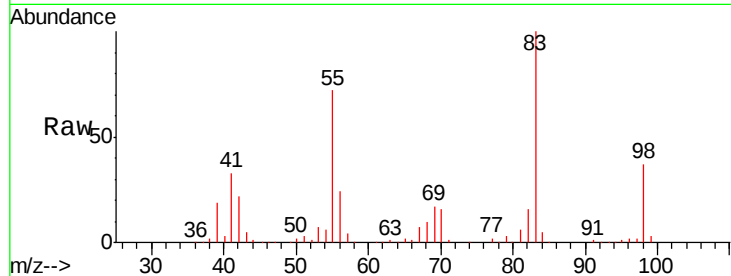
#39
Methylcyclohexane
Concen: 19.18 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	82707		
55	72.1	61.0	91.4	
98	37.3	39.6	59.4	

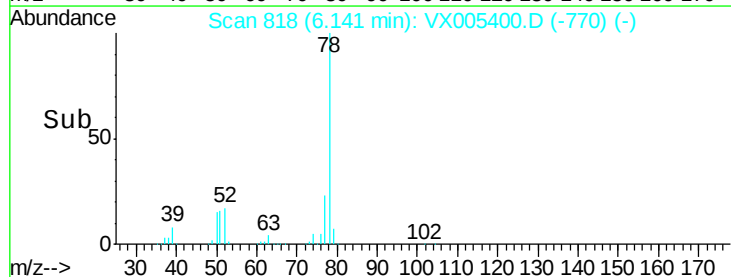
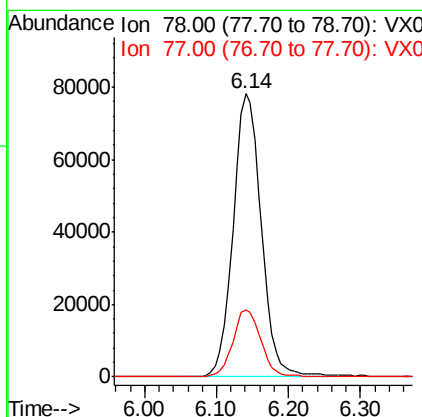
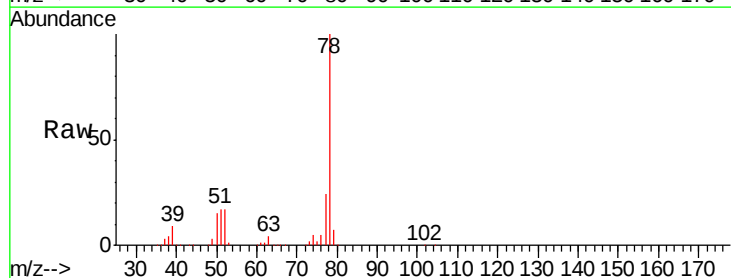
Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#40
Benzene
Concen: 17.77 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	212335		
77	23.8	19.0	28.4	





#41

Methacrylonitrile

Concen: 18.30 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

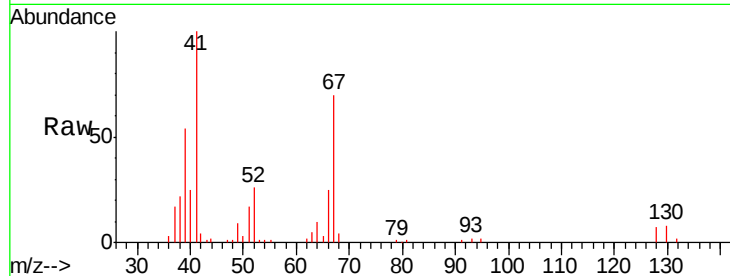
ClientSampleId :

VX1017WBS02

Tgt Ion:	41	Resp:	50264
Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.4	63.6
67	69.1	59.2	88.8
52	26.2	23.0	34.4

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM

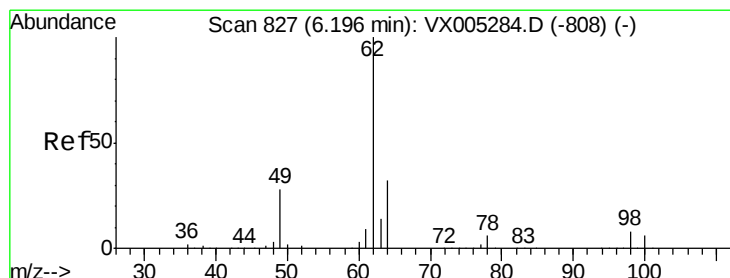
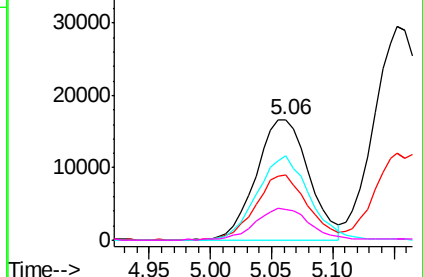
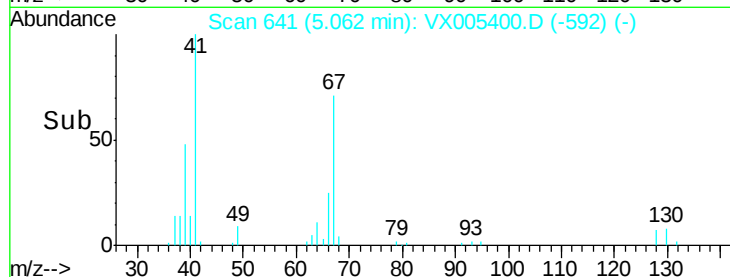


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 17.83 ug/l

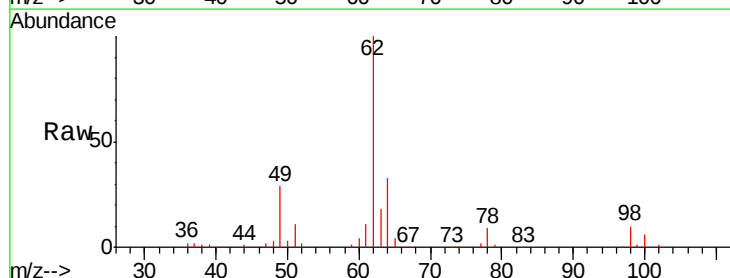
RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX005400.D

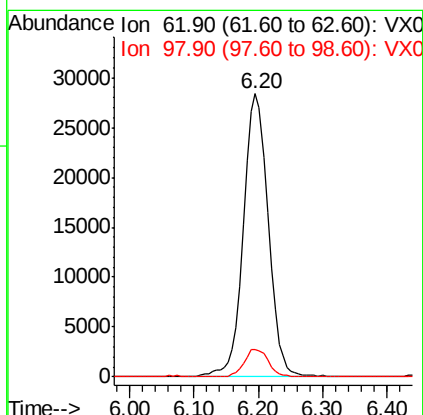
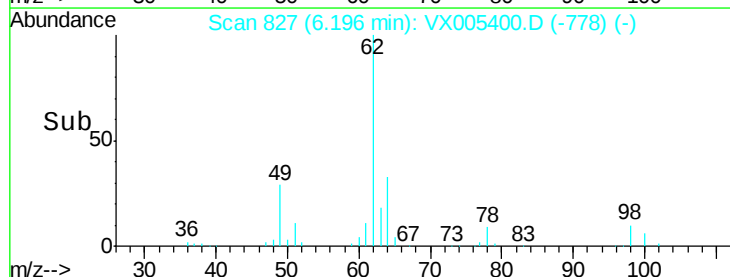
Acq: 17 Oct 2018 20:14

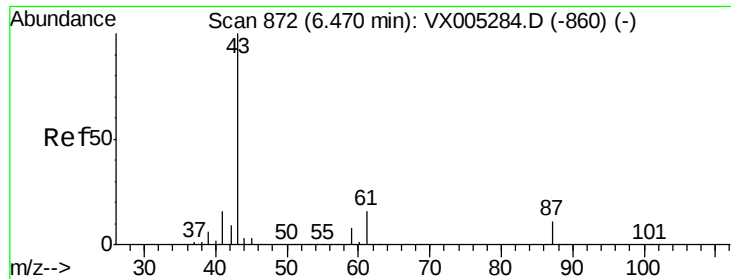
Tgt Ion:	62	Resp:	75252
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

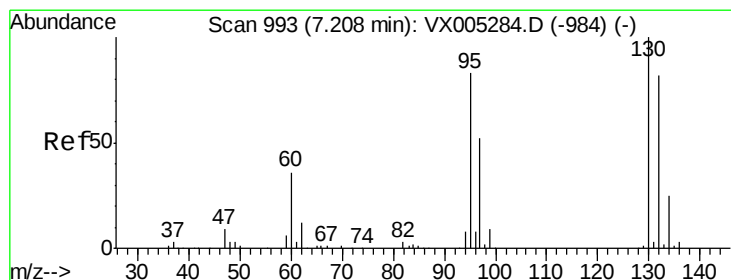
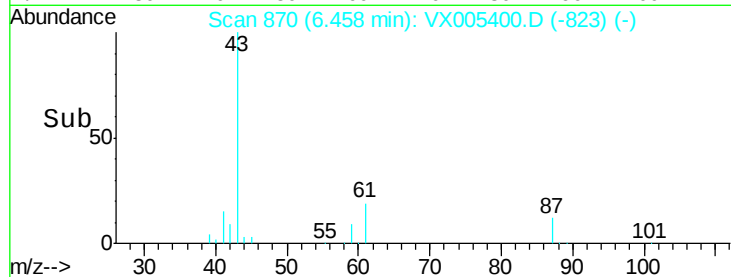
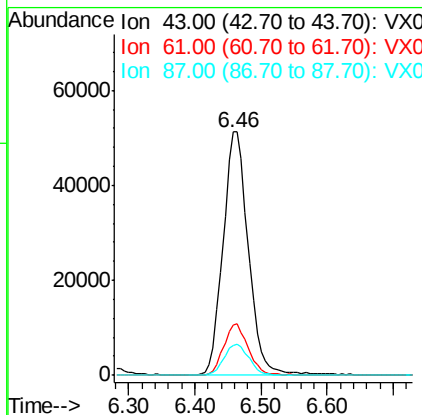
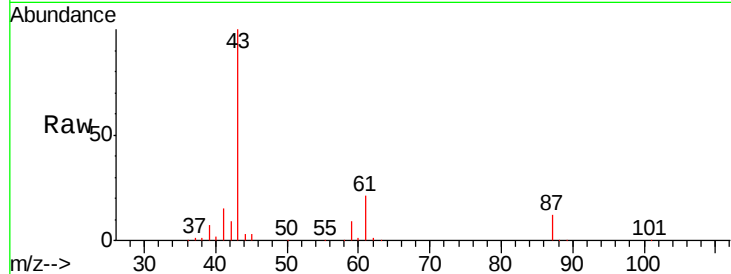
Isopropyl Acetate
 Concen: 19.80 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.6	17.0	25.4
87	13.0	11.4	17.2

Manual Integrations
 APPROVED

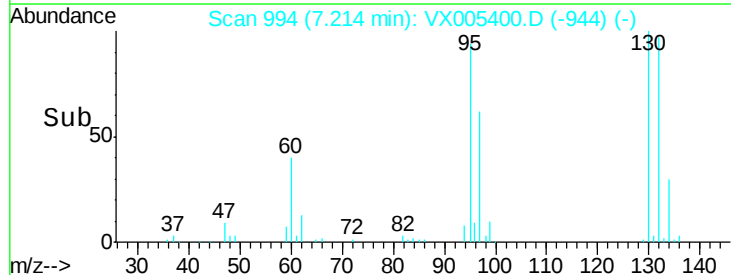
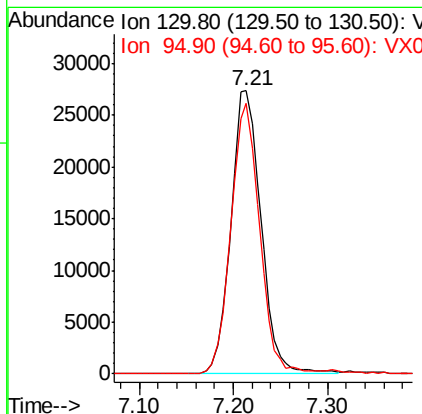
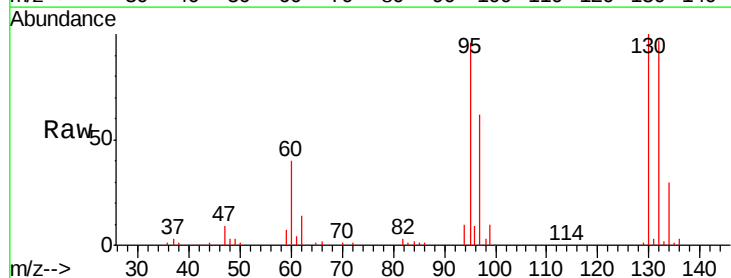
MMDadoda
 10/19/2018 12:23:46 PM

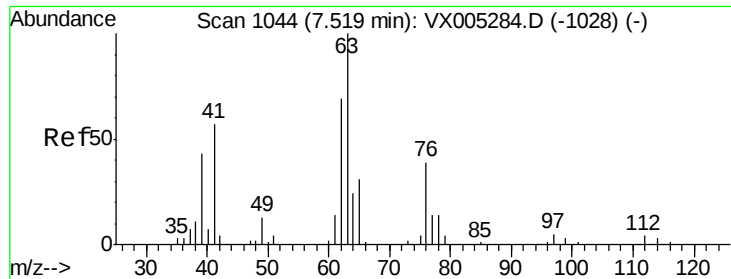


#44

Trichloroethene
 Concen: 19.59 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	181.6





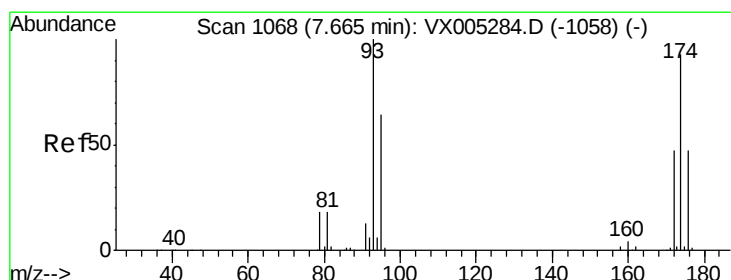
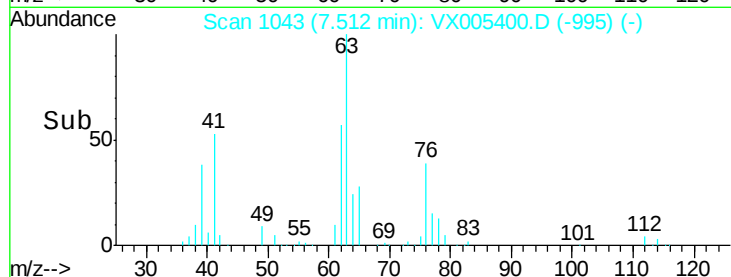
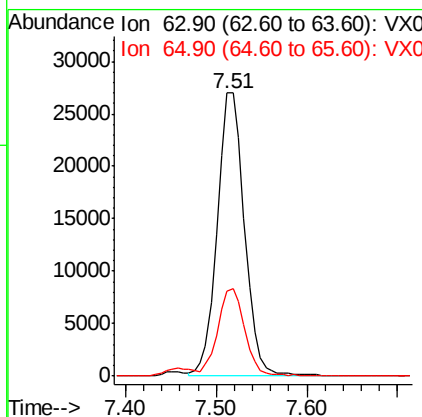
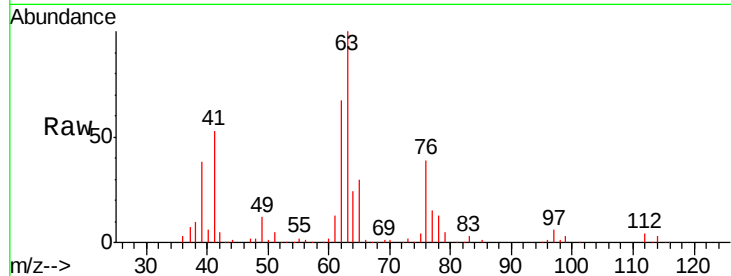
#45
 1,2-Dichloropropane
 Concen: 19.40 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS02

Tgt Ion: 63 Resp: 56879
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.3 36.5

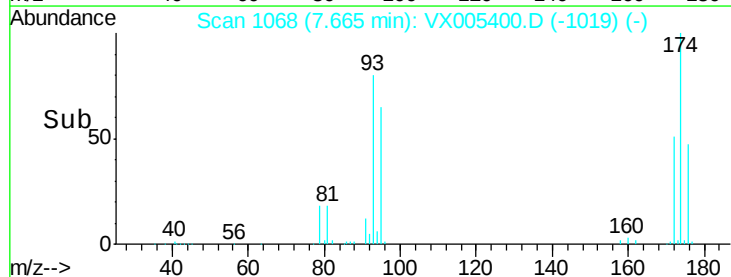
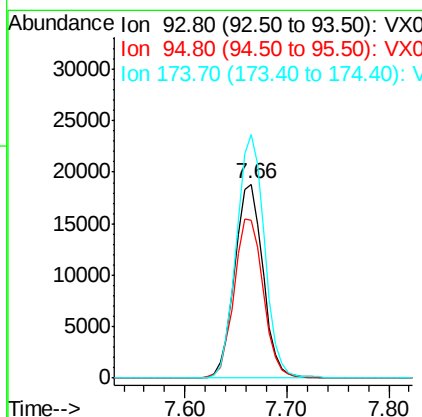
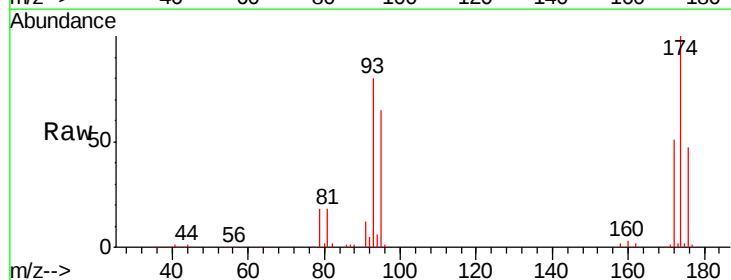
Manual Integrations
 APPROVED

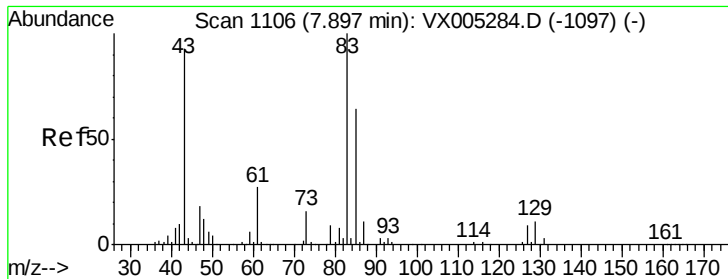
MMDadoda
 10/19/2018 12:23:46 PM



#46
 Dibromomethane
 Concen: 18.83 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Tgt Ion: 93 Resp: 36428
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.5 98.3
 174 123.8 94.2 141.4





#47

Bromodichloromethane

Concen: 19.43 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

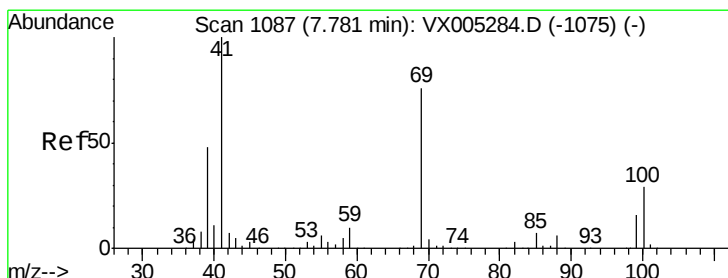
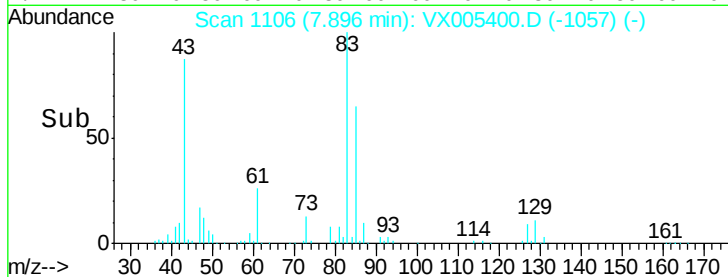
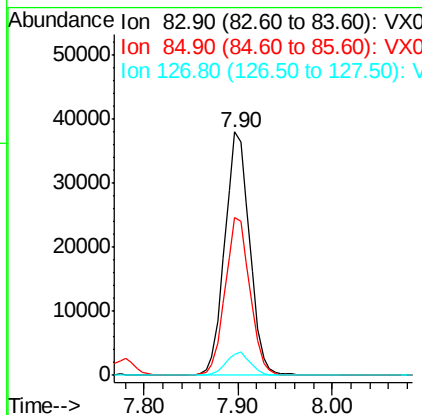
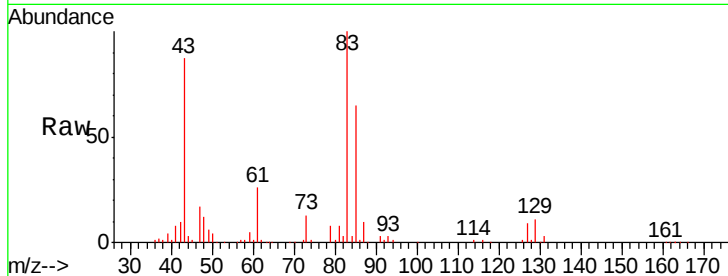
ClientSampleId :

VX1017WBS02

Tgt Ion:	83	Resp:	69544
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#48

Methyl methacrylate

Concen: 19.50 ug/l

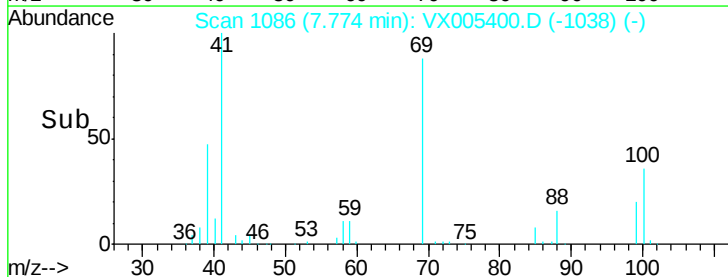
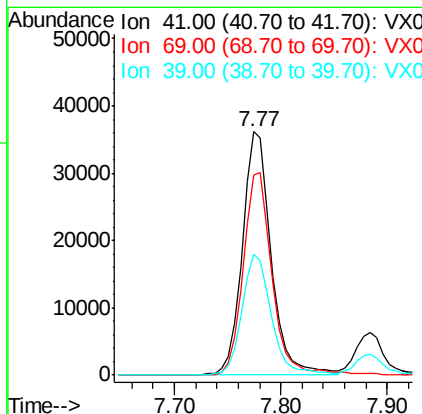
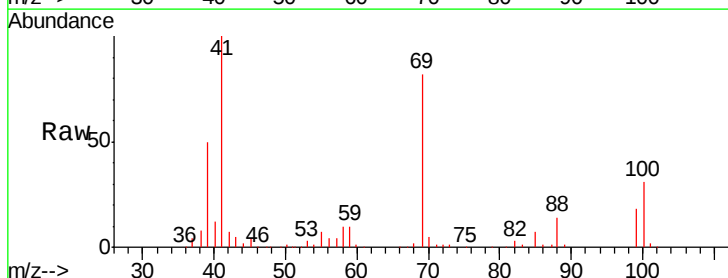
RT: 7.77 min Scan# 1086

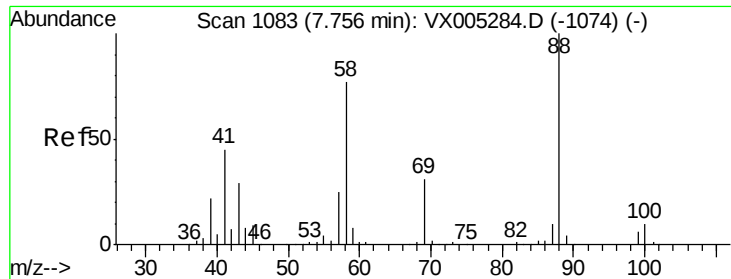
Delta R.T. -0.01 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Tgt Ion:	41	Resp:	69027
Ion	Ratio	Lower	Upper
41	100		
69	83.4	70.2	105.4
39	50.6	42.7	64.1





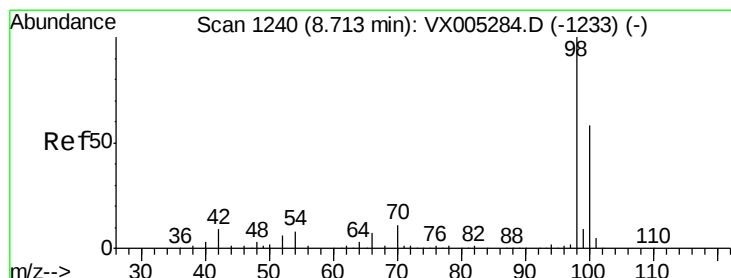
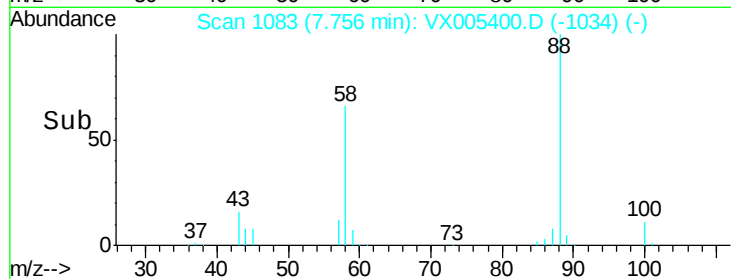
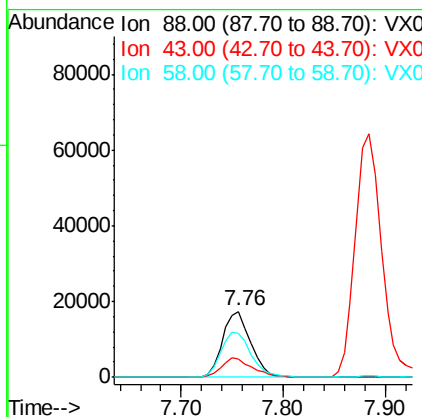
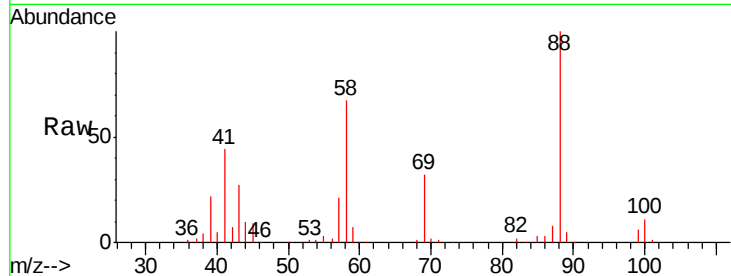
#49
1,4-Dioxane
Concen: 410.11 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.6	24.7	37.1
58	73.4	55.3	82.9

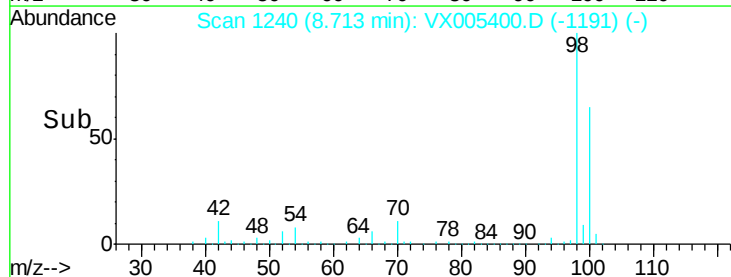
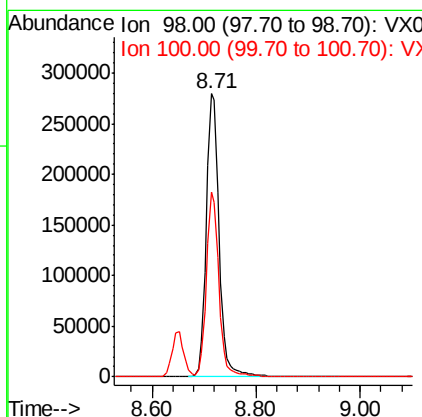
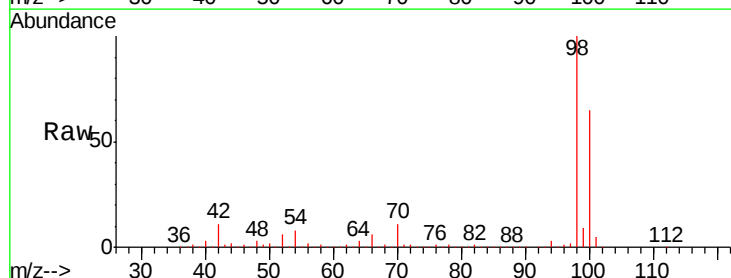
Manual Integrations
APPROVED

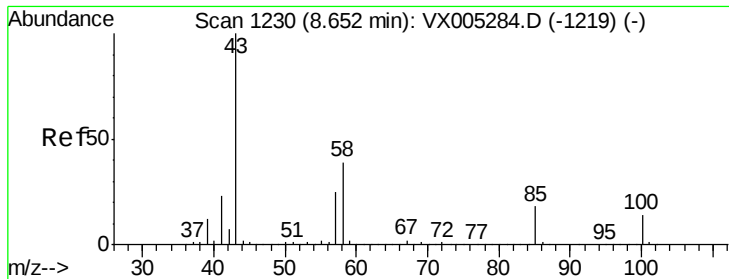
MMDadoda
10/19/2018 12:23:46 PM



#50
Toluene-d8
Concen: 50.90 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.9	79.3





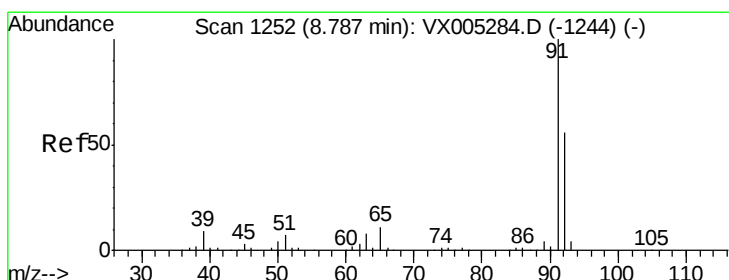
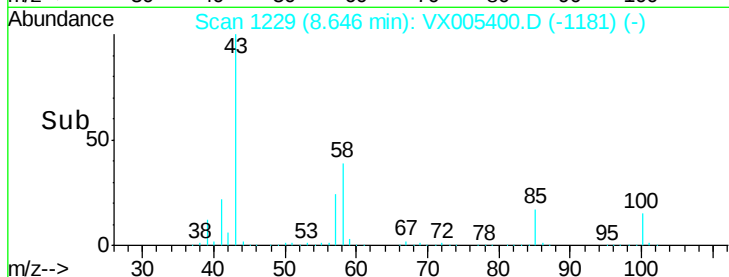
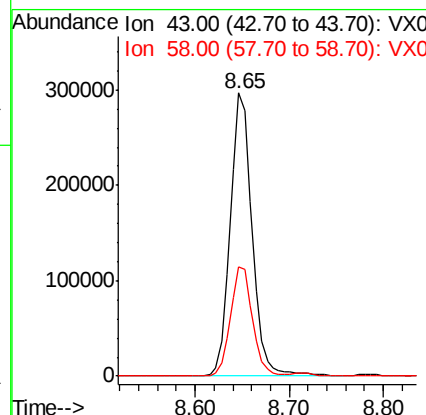
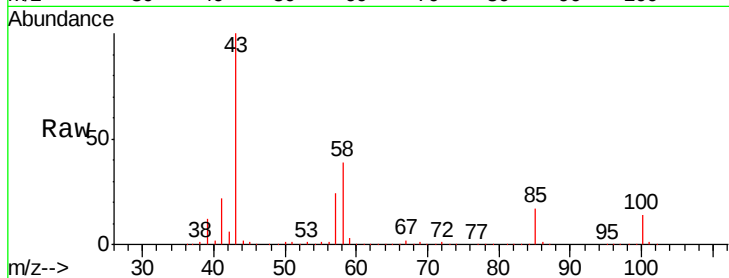
#51
4-Methyl-2-Pentanone
Concen: 101.53 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion: 43 Resp: 479769
Ion Ratio Lower Upper
43 100
58 38.7 33.1 49.7

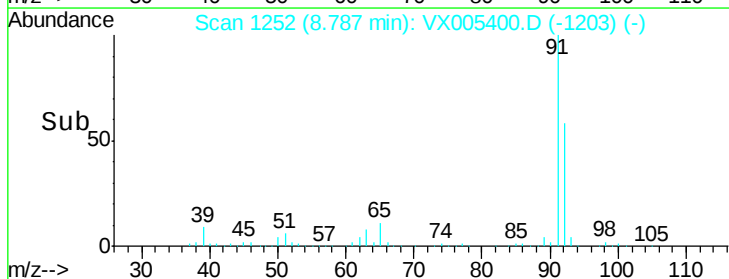
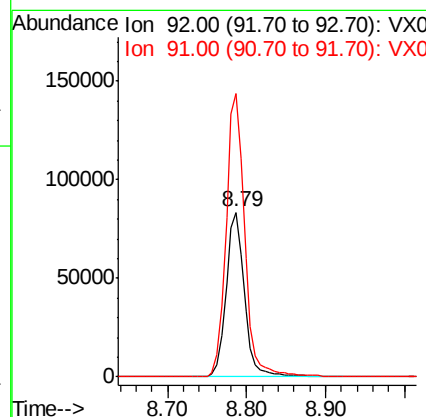
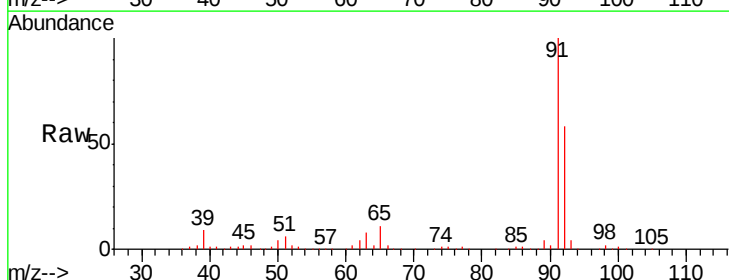
Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#52
Toluene
Concen: 20.61 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion: 92 Resp: 134754
Ion Ratio Lower Upper
92 100
91 175.6 136.4 204.6





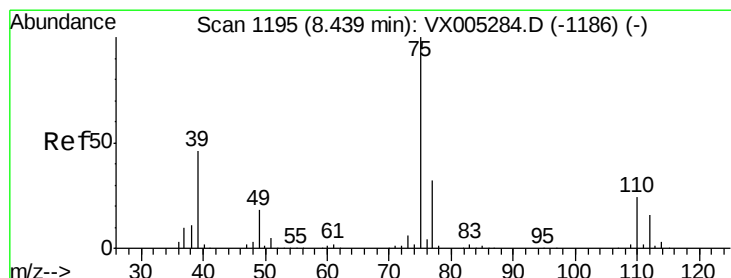
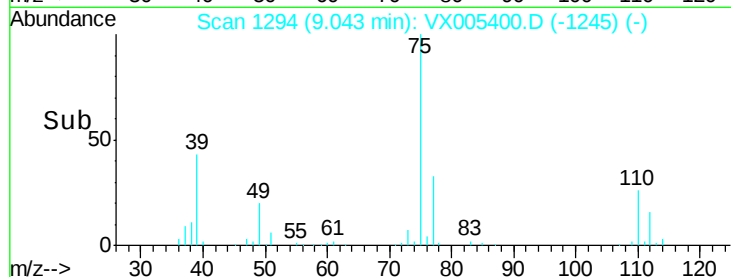
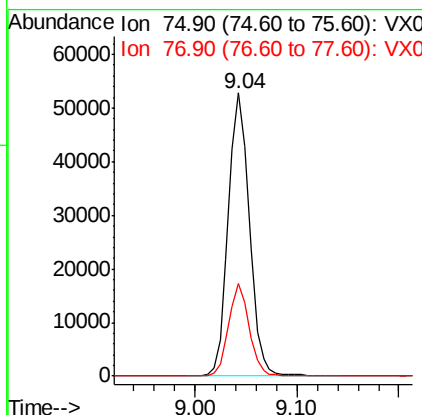
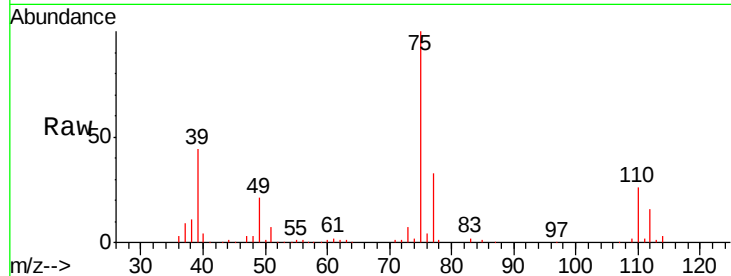
#53
 t-1,3-Dichloropropene
 Concen: 19.59 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS02

Tgt Ion: 75 Resp: 75874
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.6 37.0

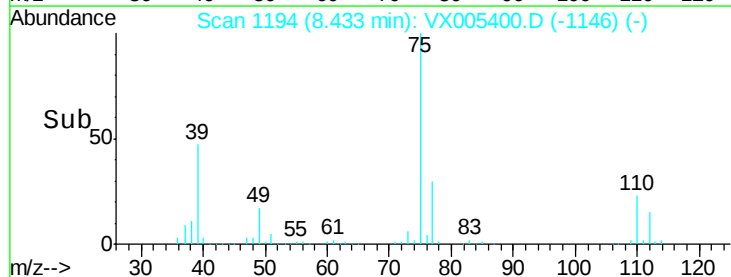
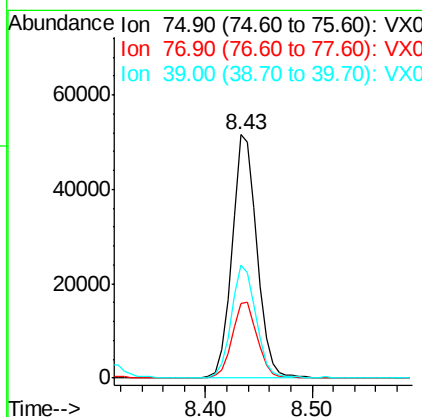
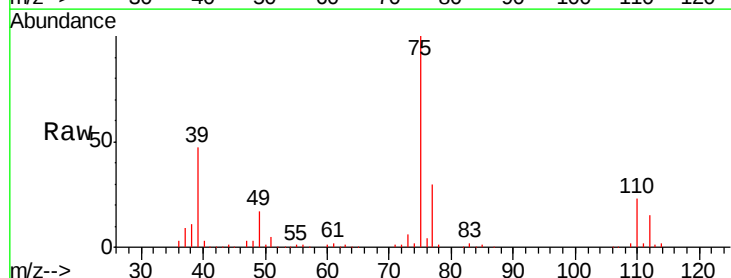
Manual Integrations
 APPROVED

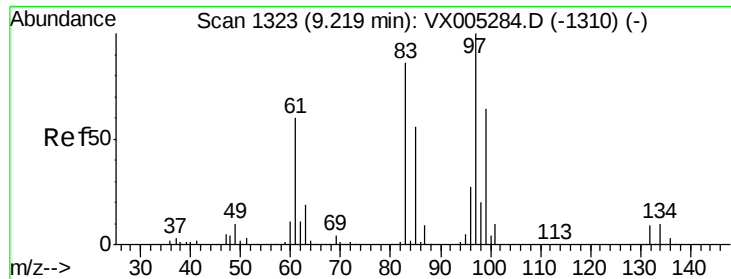
MMDadoda
 10/19/2018 12:23:46 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.14 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Tgt Ion: 75 Resp: 84504
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.2 39.2
 39 46.3 36.4 54.6





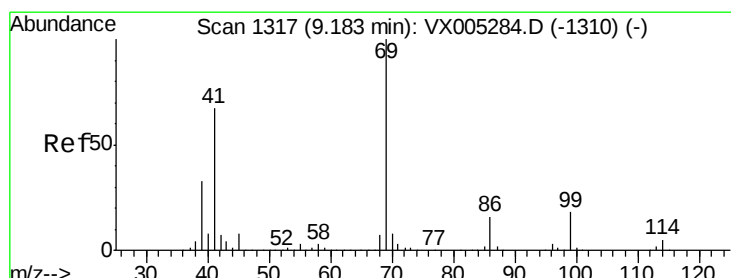
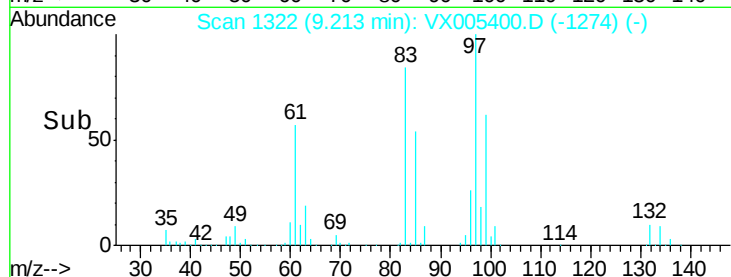
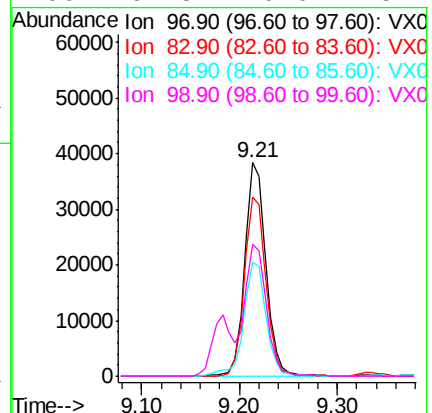
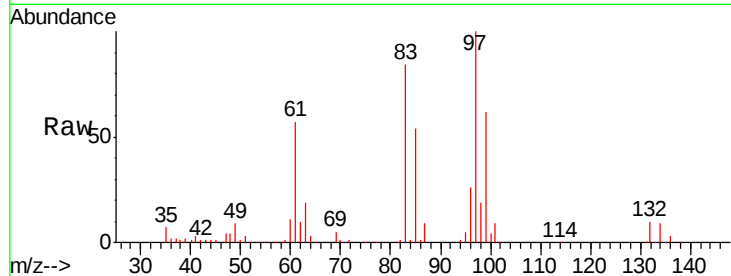
#55
 1,1,2-Trichloroethane
 Concen: 20.80 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.4	99.6
85	53.5	43.3	64.9
99	61.3	49.0	73.4

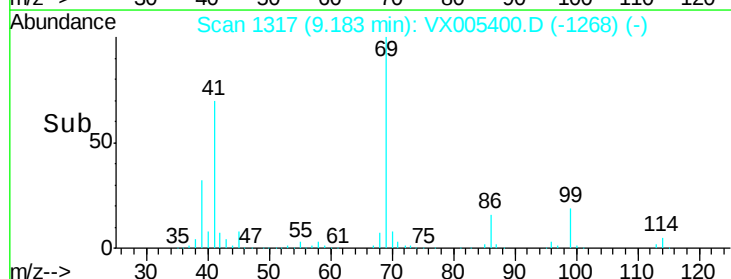
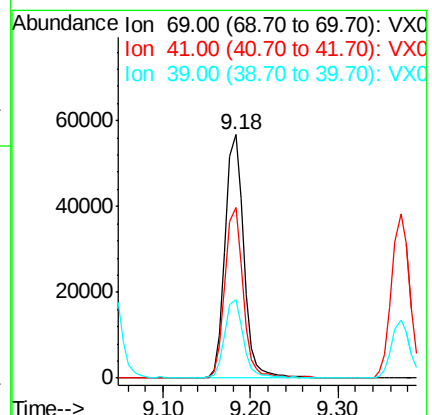
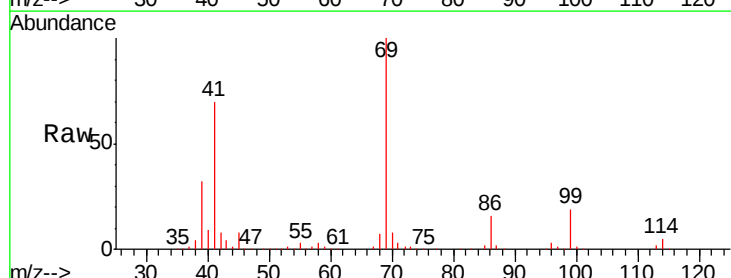
Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:23:46 PM



#56
 Ethyl methacrylate
 Concen: 20.79 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.0	51.0	76.4
39	32.0	26.1	39.1





#57

1,3-Dichloropropane

Concen: 20.29 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion: 76 Resp: 93782

Ion Ratio Lower Upper

76 100

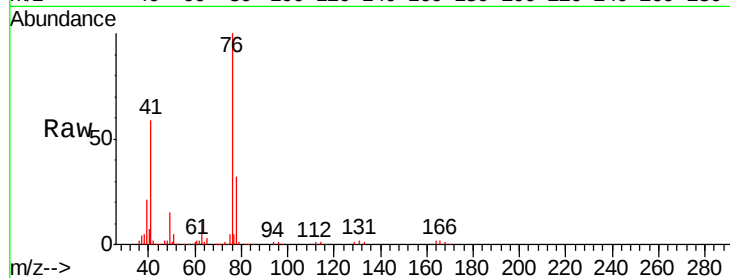
78 32.4 25.5 38.3

Manual Integrations

APPROVED

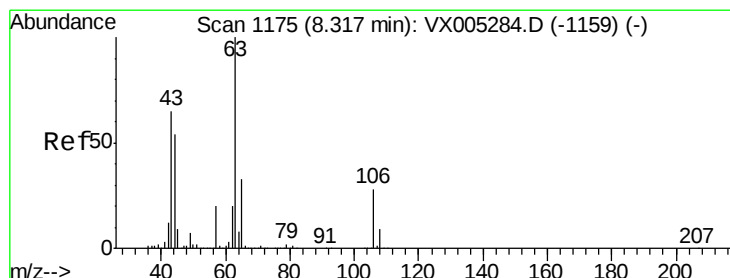
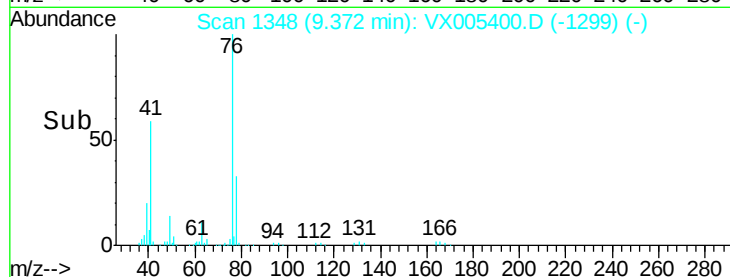
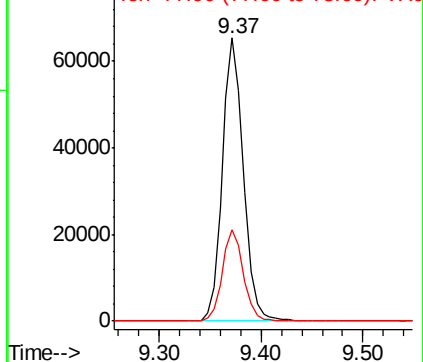
MMDadoda

10/19/2018 12:23:46 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 104.19 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005400.D

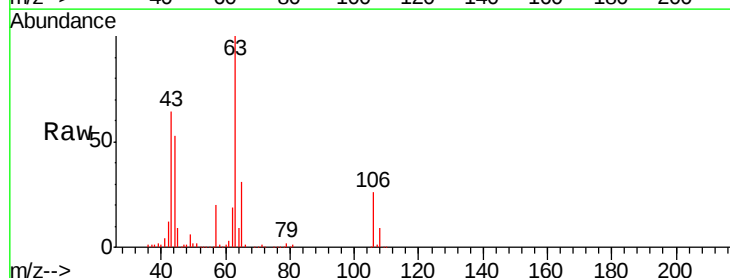
Acq: 17 Oct 2018 20:14

Tgt Ion: 63 Resp: 235883

Ion Ratio Lower Upper

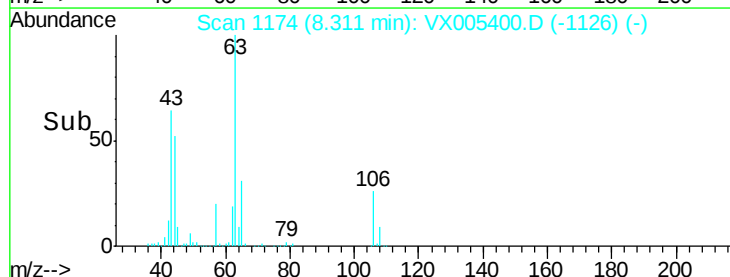
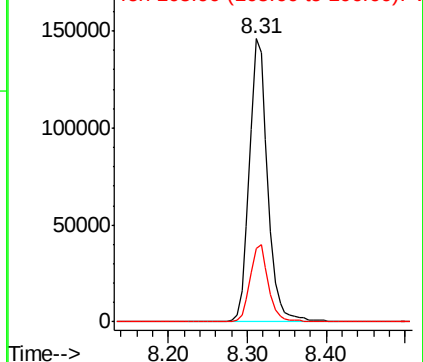
63 100

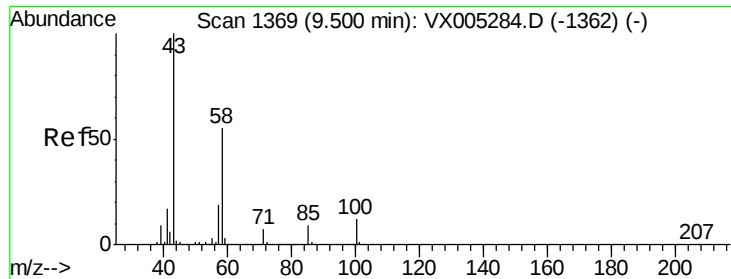
106 27.3 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





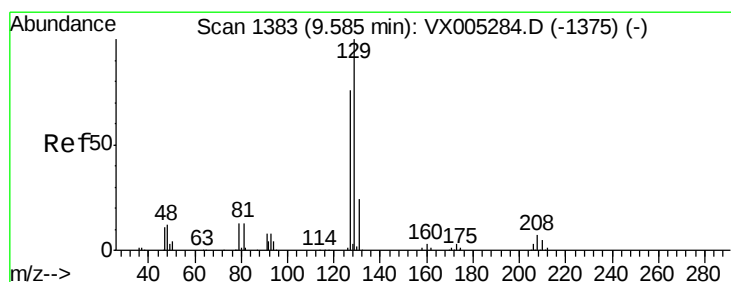
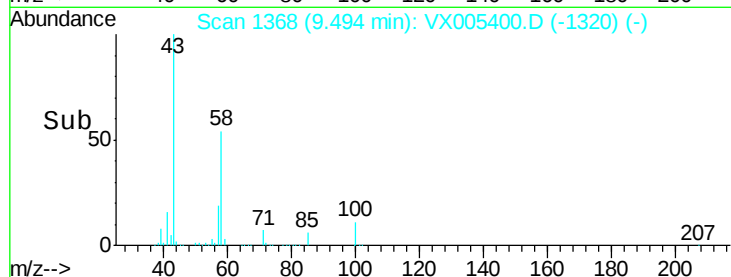
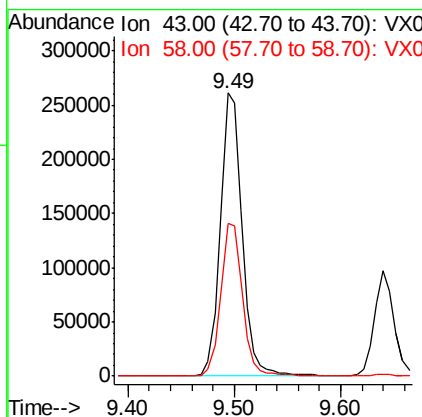
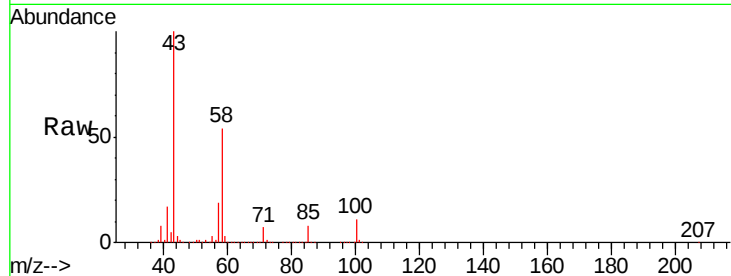
#59
2-Hexanone
Concen: 98.31 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion: 43 Resp: 373693
Ion Ratio Lower Upper
43 100
58 54.2 29.0 87.0

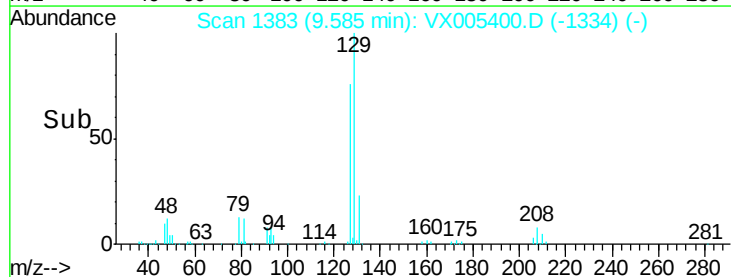
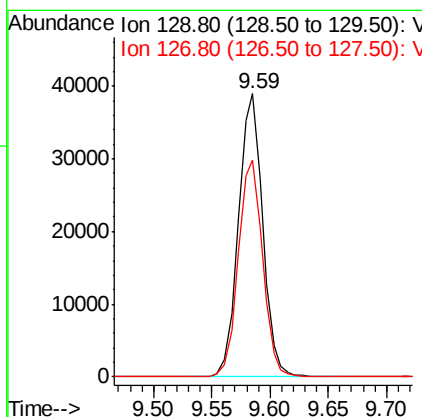
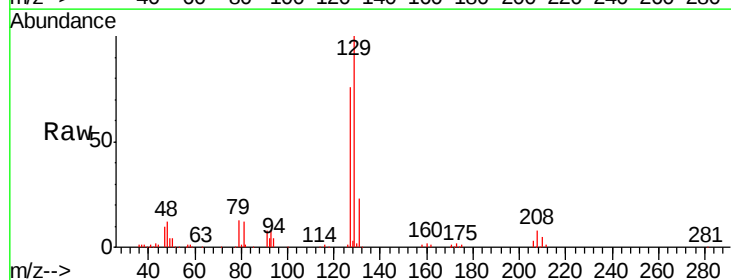
Manual Integrations
APPROVED

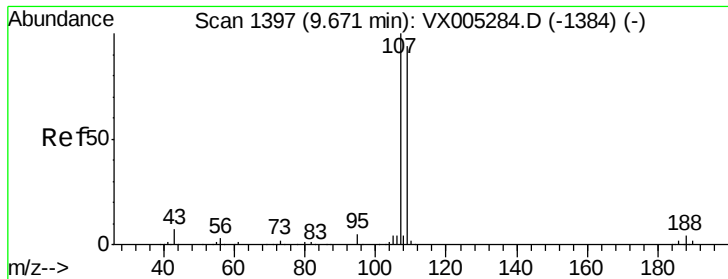
MMDadoda
10/19/2018 12:23:46 PM



#60
Dibromochloromethane
Concen: 19.77 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion: 129 Resp: 56582
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.34 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion: 107 Resp: 59118

Ion Ratio Lower Upper

107 100

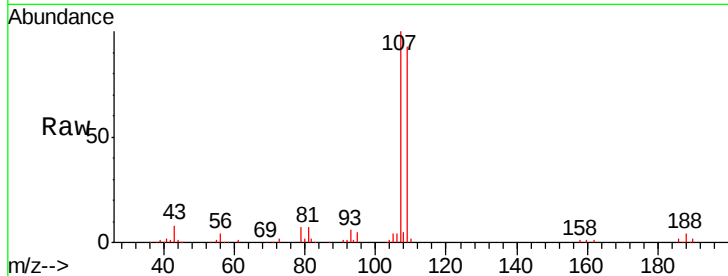
109 92.7 76.0 114.0

Manual Integrations

APPROVED

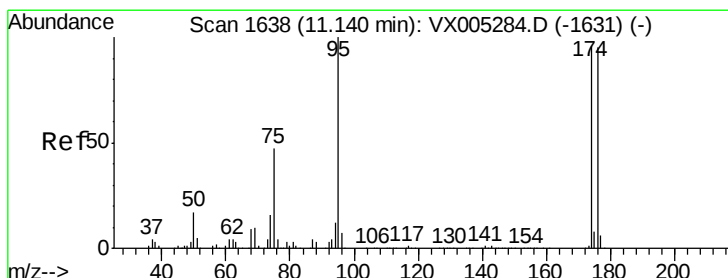
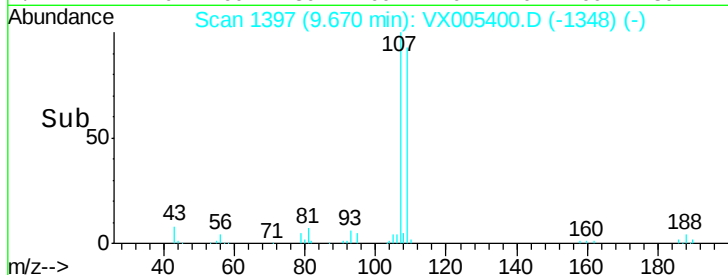
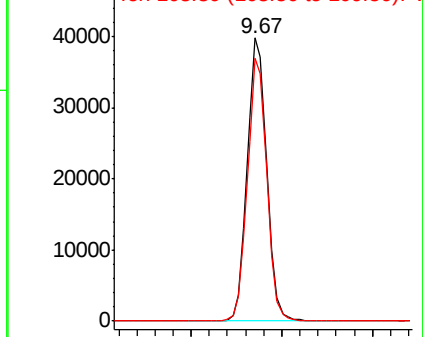
MMDadoda

10/19/2018 12:23:46 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.16 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

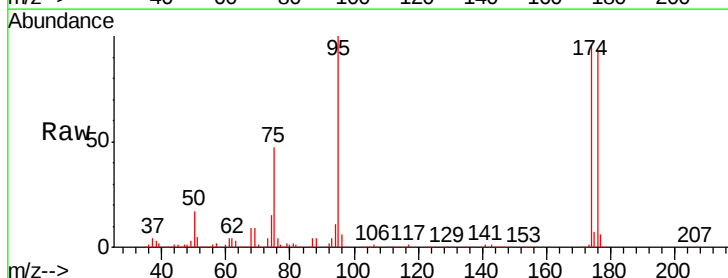
Tgt Ion: 95 Resp: 176236

Ion Ratio Lower Upper

95 100

174 94.5 0.0 185.2

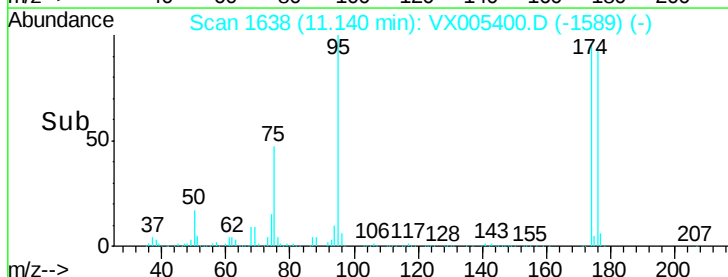
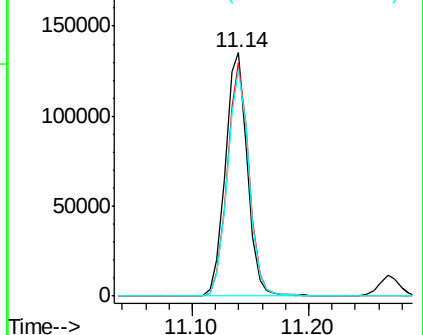
176 91.9 0.0 178.6

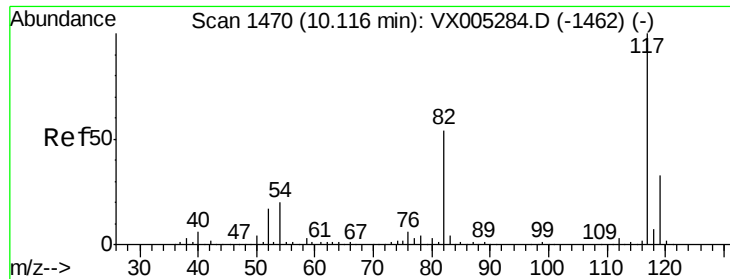


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





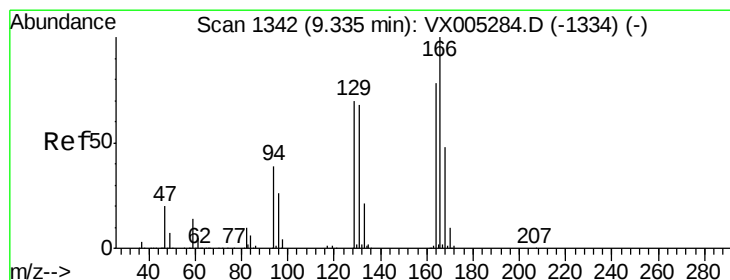
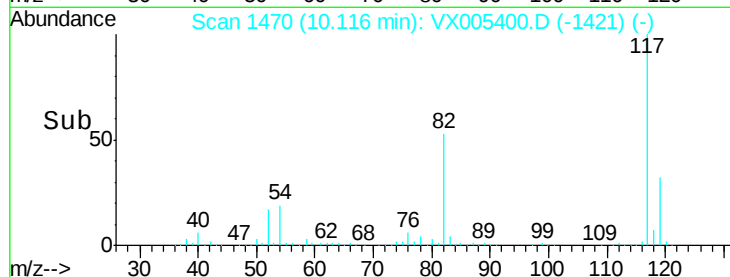
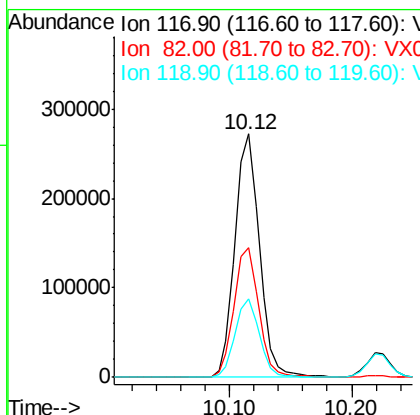
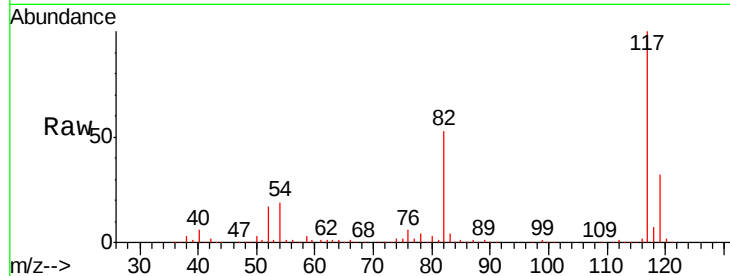
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	47.8	71.6
119	32.1	29.3	43.9

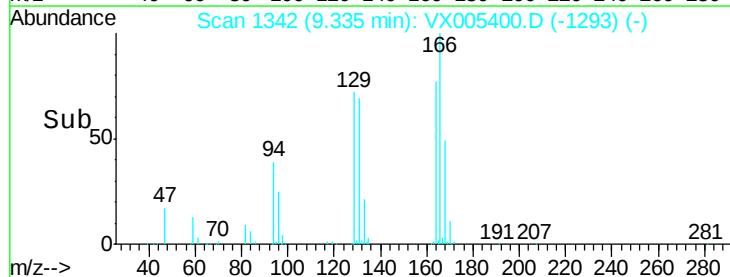
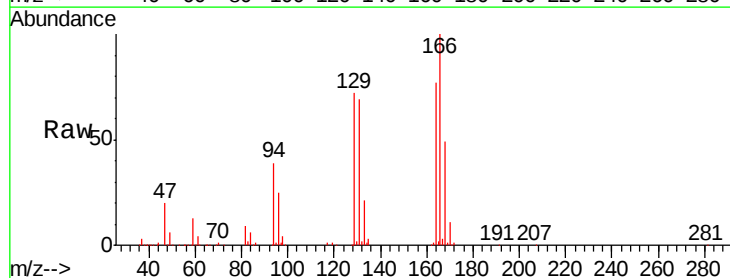
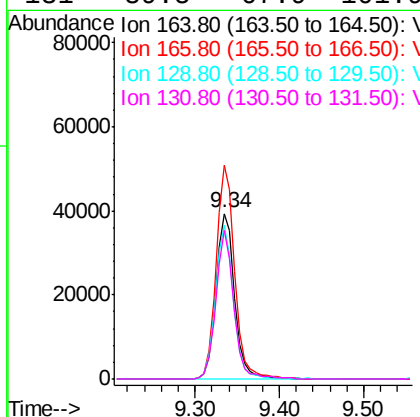
Manual Integrations
APPROVED

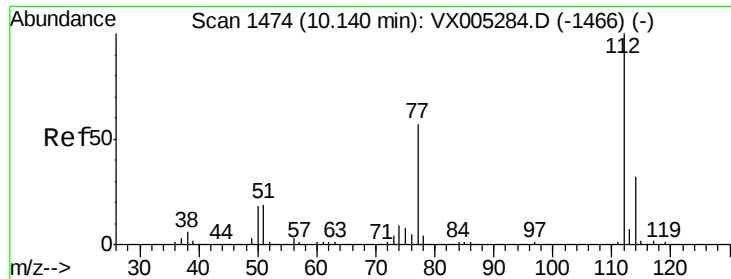
MMDadoda
10/19/2018 12:23:46 PM



#64
Tetrachloroethene
Concen: 19.92 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.8	154.2
129	93.1	69.4	104.0
131	89.5	67.9	101.9





#65

Chlorobenzene

Concen: 19.05 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion:112 Resp: 153663

Ion Ratio Lower Upper

112 100

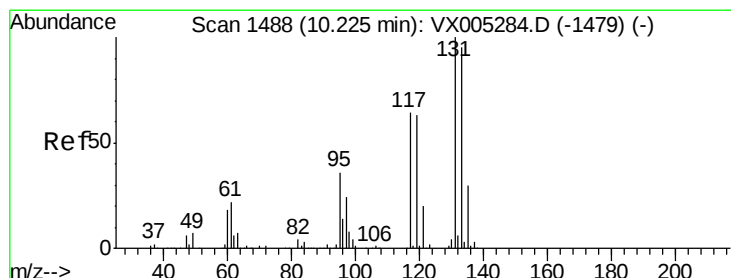
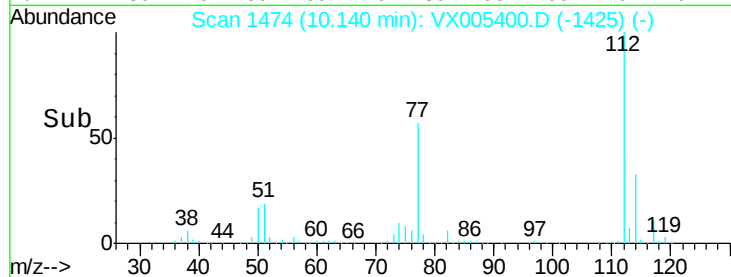
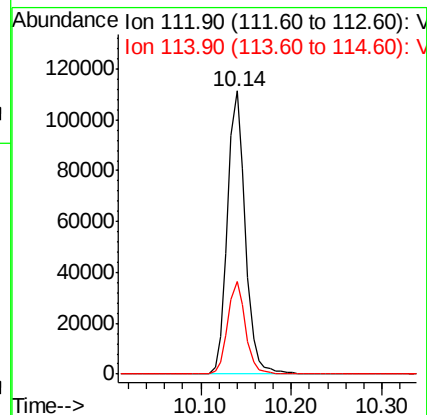
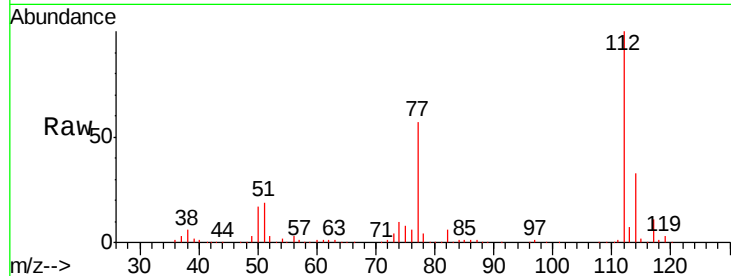
114 32.8 27.8 41.8

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:46 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.39 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

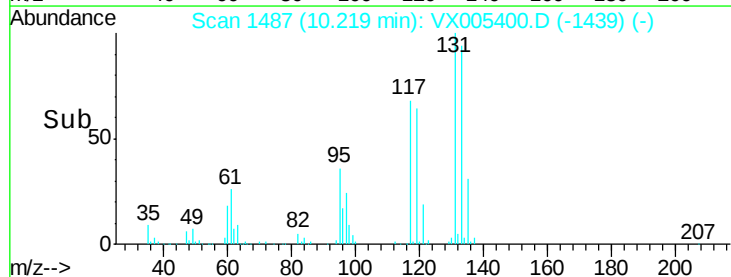
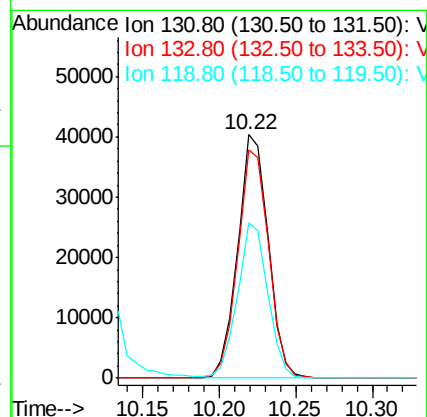
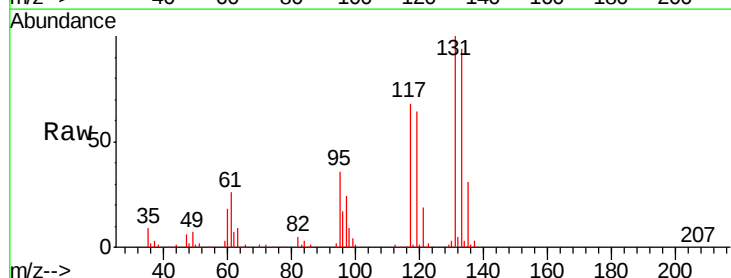
Tgt Ion:131 Resp: 55721

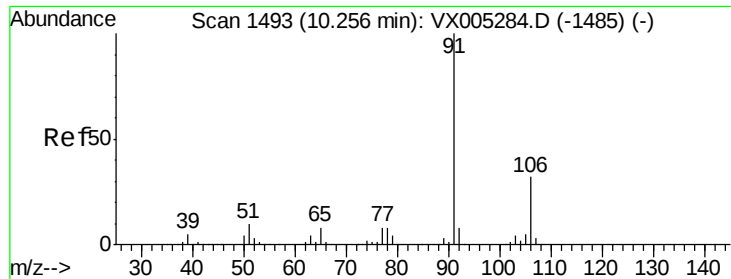
Ion Ratio Lower Upper

131 100

133 95.1 48.1 144.4

119 64.0 32.9 98.6





#67

Ethyl Benzene

Concen: 19.40 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion: 91 Resp: 254348

Ion Ratio Lower Upper

91 100

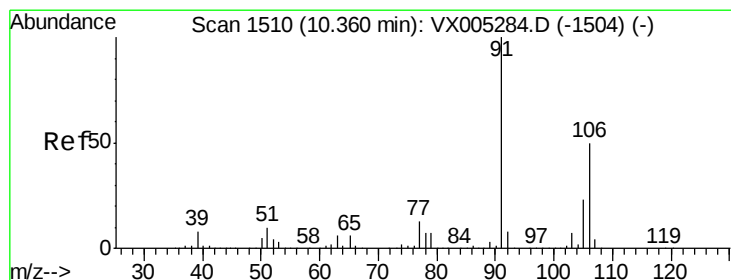
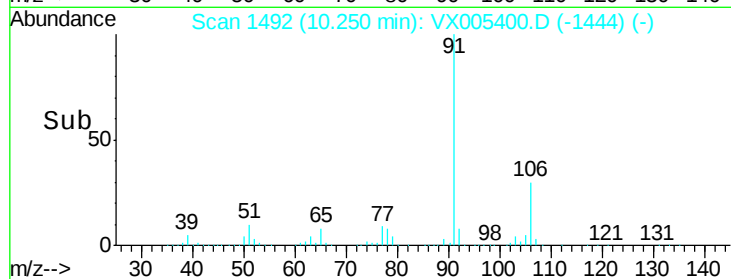
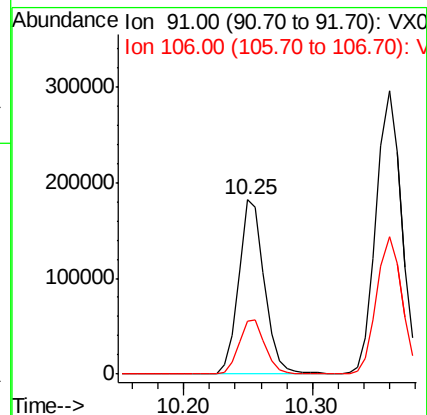
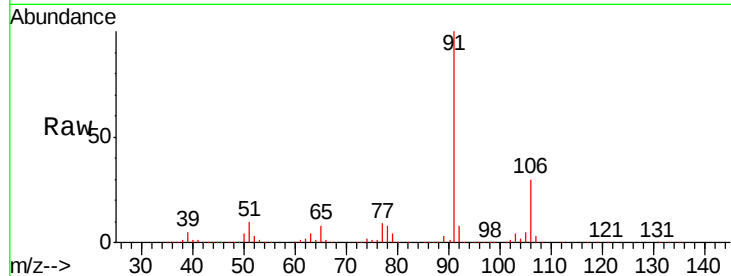
106 30.5 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:46 PM



#68

m/p-Xylenes

Concen: 39.30 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005400.D

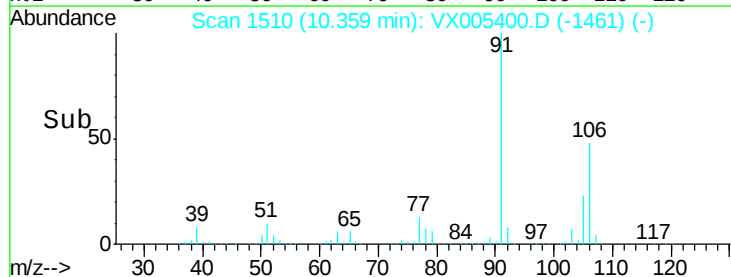
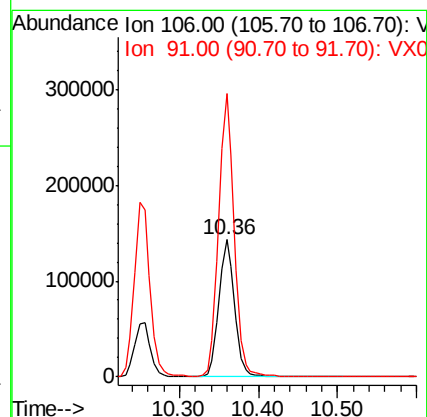
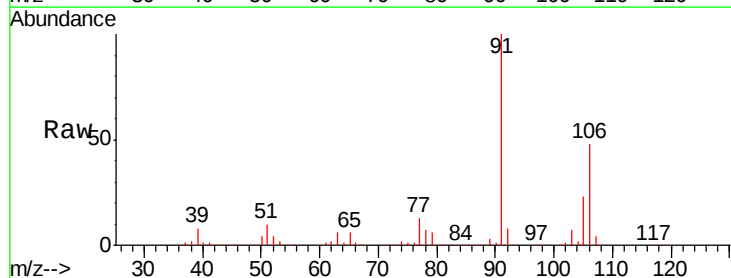
Acq: 17 Oct 2018 20:14

Tgt Ion: 106 Resp: 200006

Ion Ratio Lower Upper

106 100

91 204.1 157.1 235.7





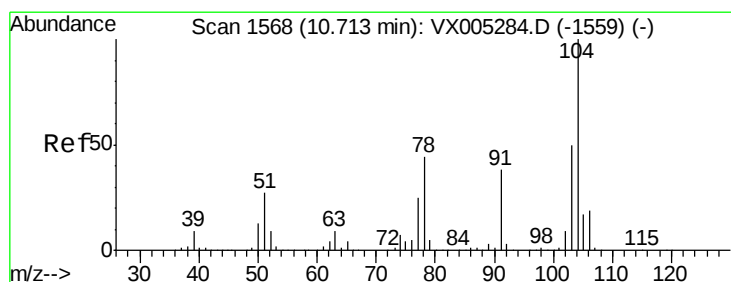
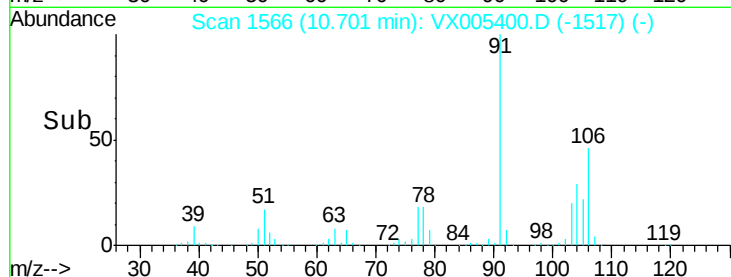
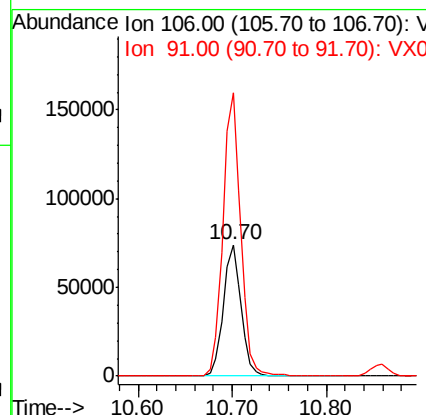
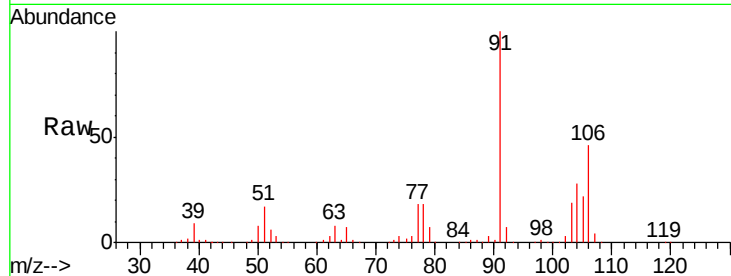
#69
o-Xylene
Concen: 19.72 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion:106 Resp: 96776
Ion Ratio Lower Upper
106 100
91 214.9 105.1 315.1

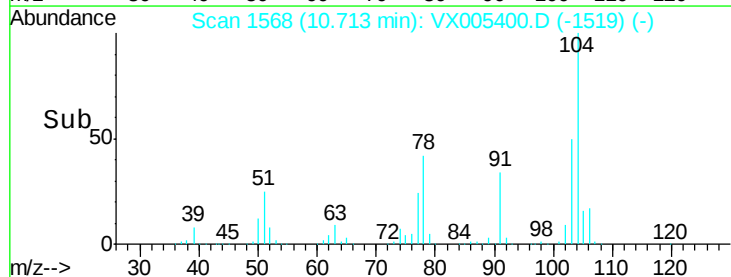
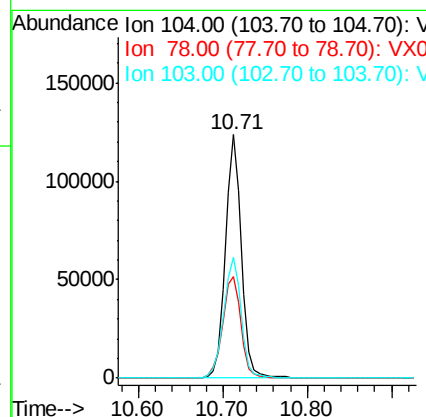
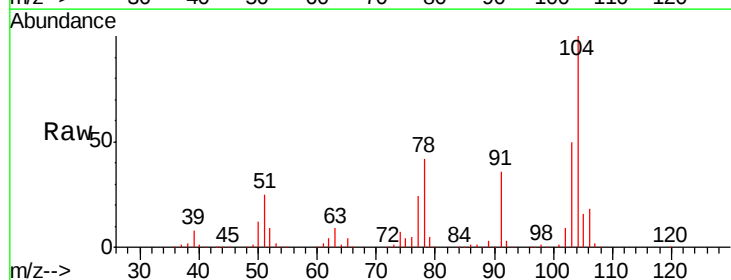
Manual Integrations
APPROVED

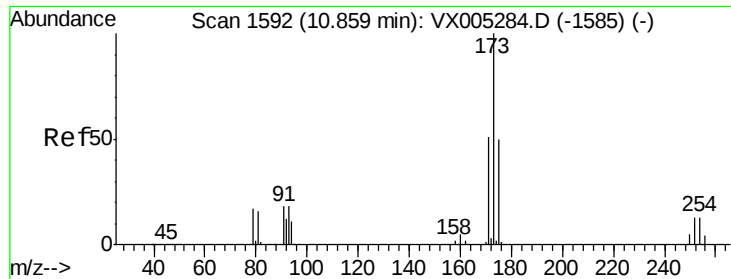
MMDadoda
10/19/2018 12:23:46 PM



#70
Styrene
Concen: 20.13 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion:104 Resp: 162530
Ion Ratio Lower Upper
104 100
78 48.4 37.4 56.0
103 55.1 43.8 65.6





#71

Bromoform

Concen: 18.36 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

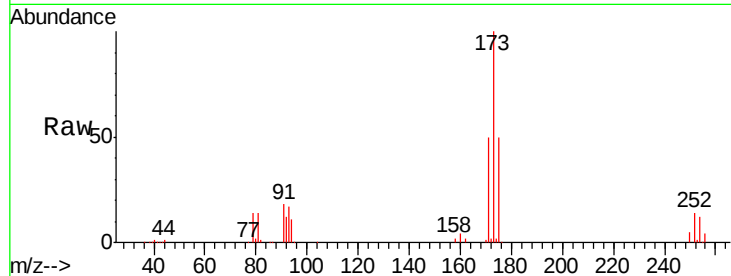
ClientSampleId :

VX1017WBS02

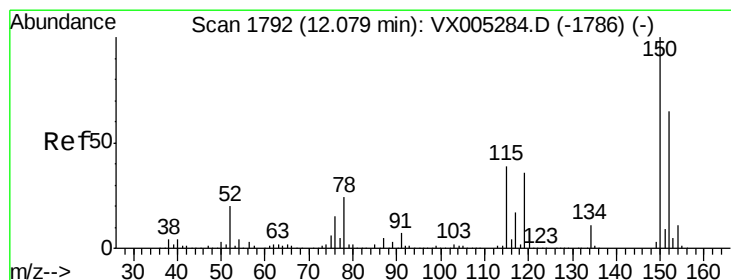
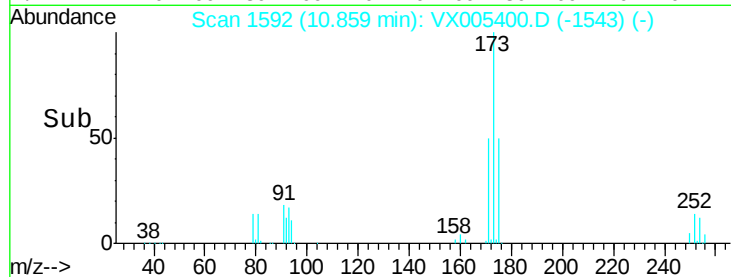
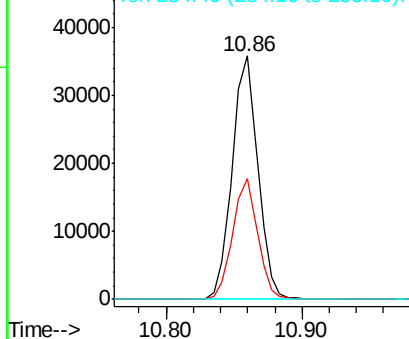
Tgt Ion:173 Resp: 47166
 Ion Ratio Lower Upper
 173 100
 175 48.3 24.1 72.3
 254 0.2 0.2 0.2

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:23:46 PM



Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

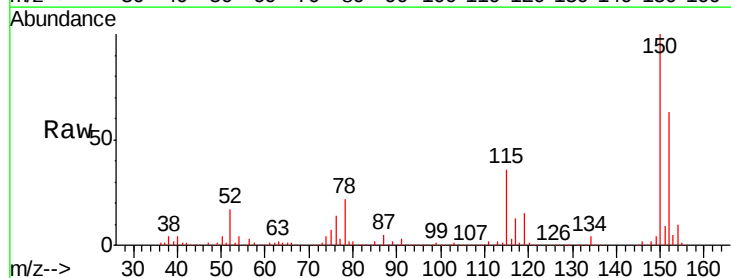
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

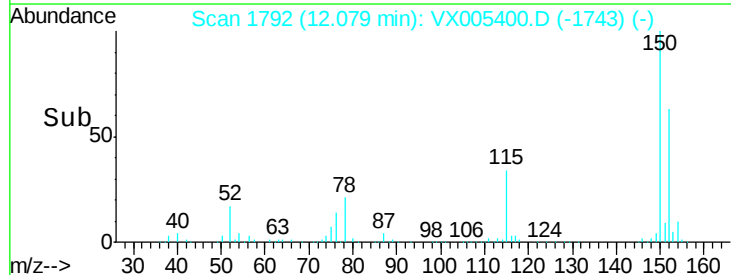
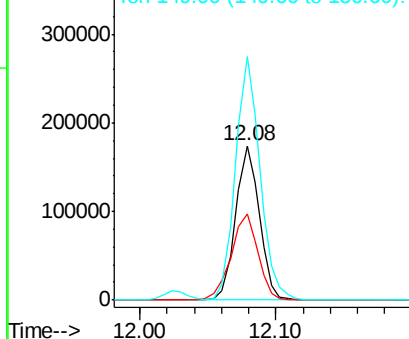
Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Tgt Ion:152 Resp: 211506
 Ion Ratio Lower Upper
 152 100
 115 63.0 39.0 117.0
 150 163.7 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.24 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion: 105 Resp: 267049

Ion Ratio Lower Upper

105 100

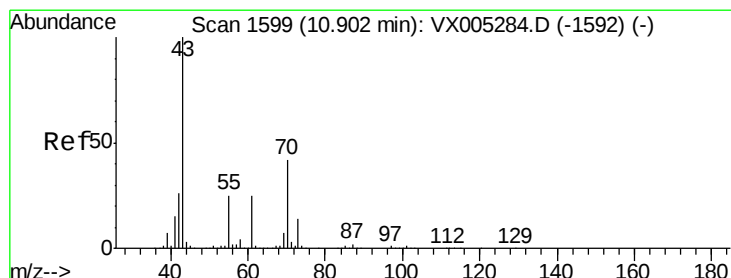
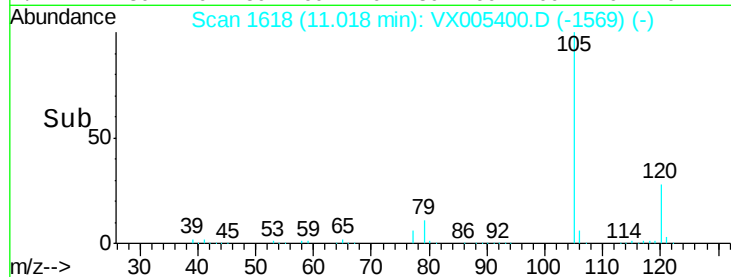
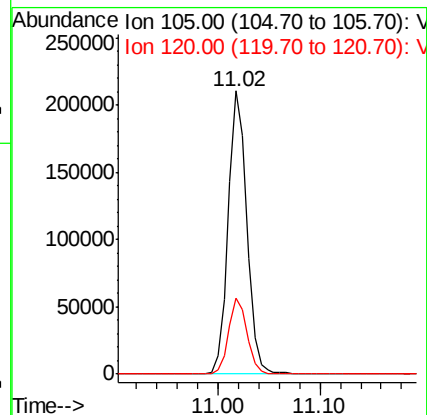
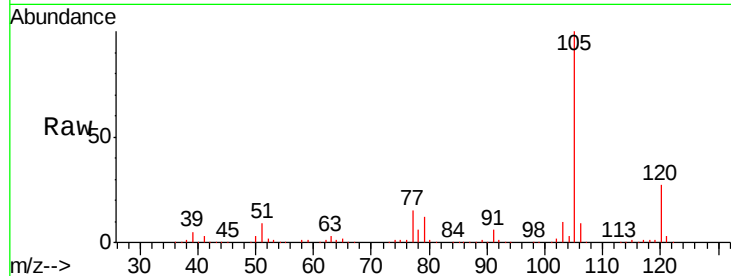
120 26.8 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:46 PM



#74

N-ethyl acetate

Concen: 19.96 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Tgt Ion: 43 Resp: 121015

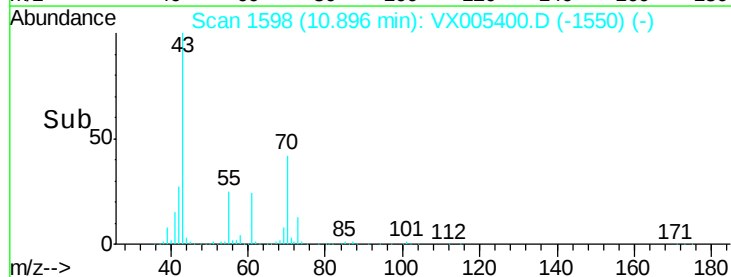
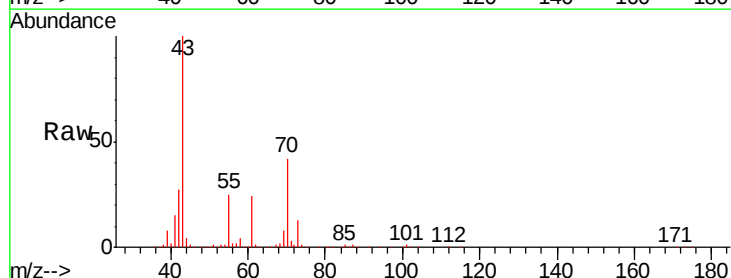
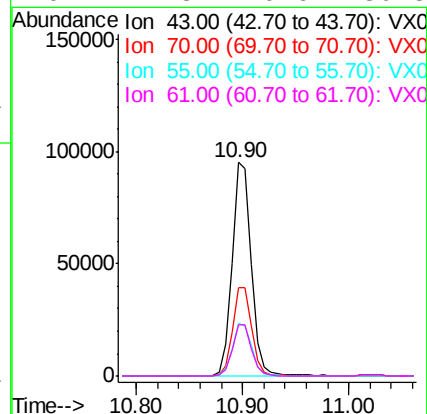
Ion Ratio Lower Upper

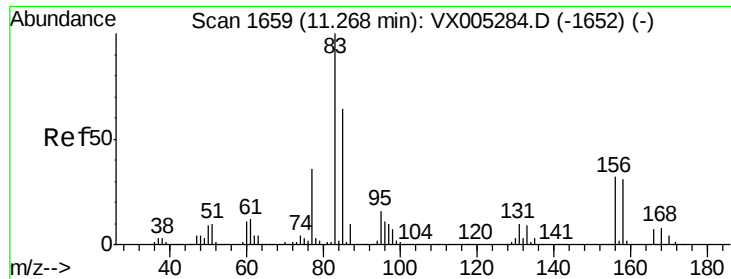
43 100

70 41.7 37.4 56.0

55 25.1 21.8 32.8

61 24.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.23 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion: 83 Resp: 91222

Ion Ratio Lower Upper

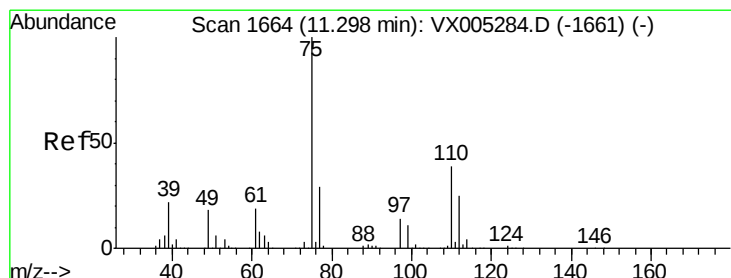
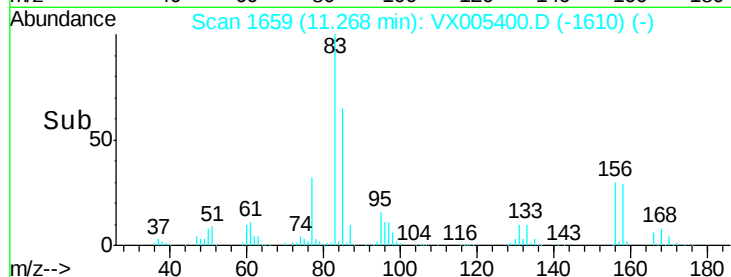
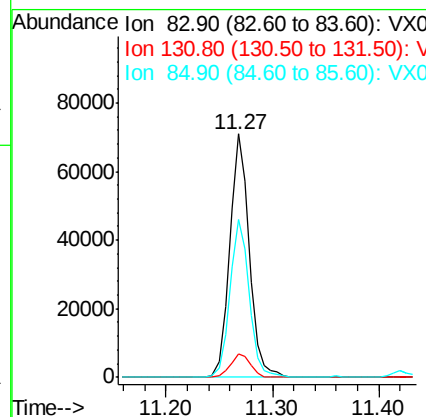
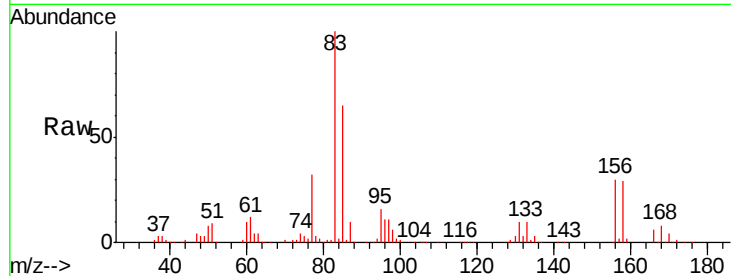
83 100

131 10.1 5.2 15.6

85 64.3 32.3 96.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#76

1,2,3-Trichloropropane

Concen: 20.61 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005400.D

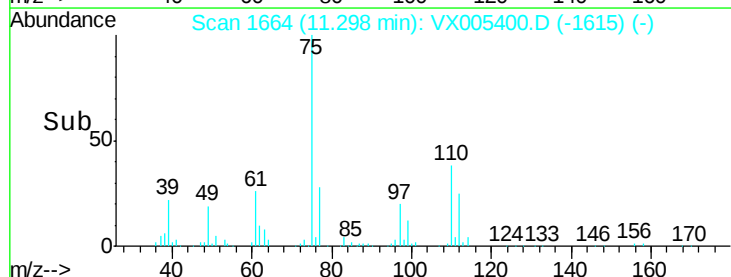
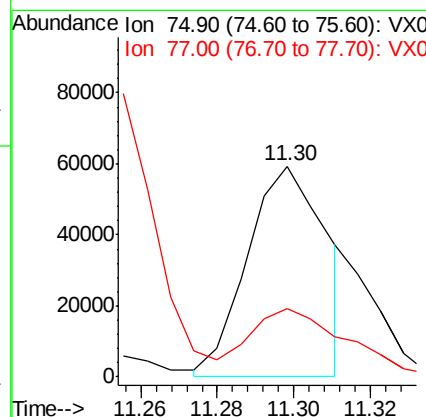
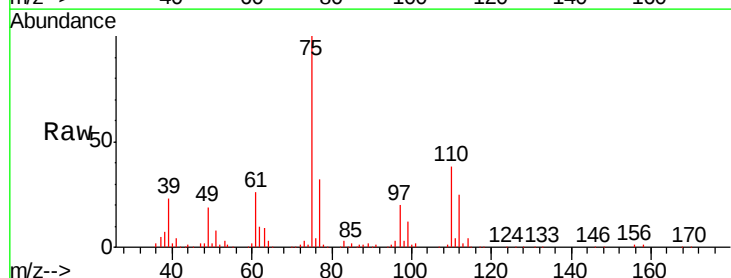
Acq: 17 Oct 2018 20:14

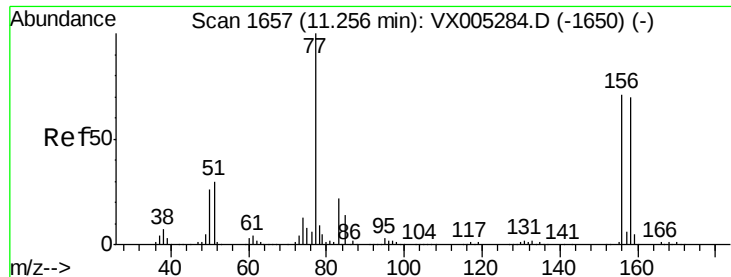
Tgt Ion: 75 Resp: 84556

Ion Ratio Lower Upper

75 100

77 39.4 20.2 60.6





#77

Bromobenzene

Concen: 20.30 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion: 156 Resp: 72979

Ion Ratio Lower Upper

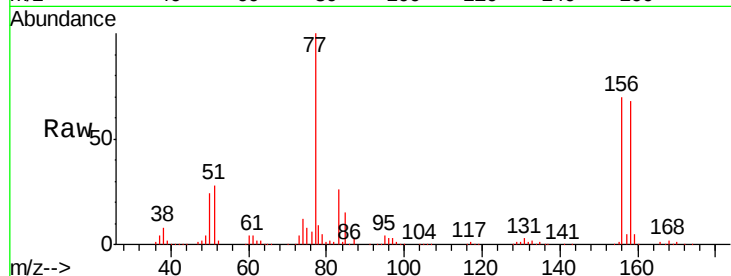
156 100

77 141.1 71.5 214.3

158 97.8 48.9 146.8

Manual Integrations
APPROVED

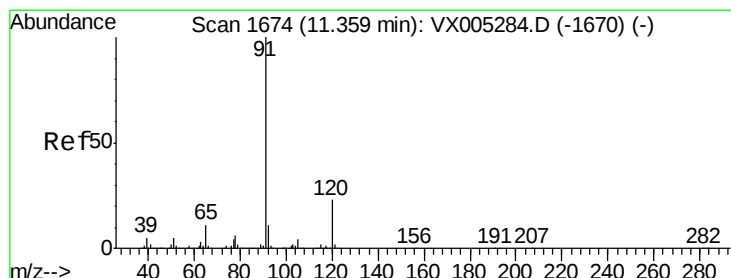
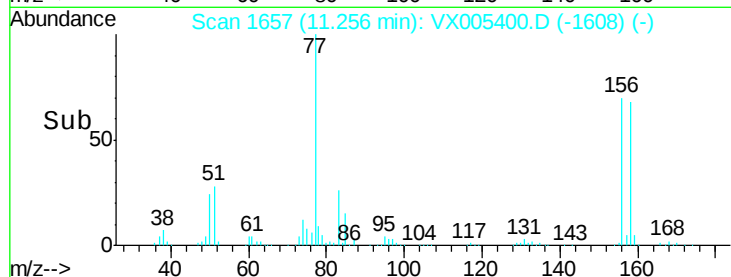
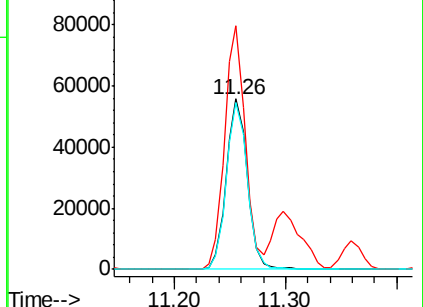
MMDadoda
10/19/2018 12:23:46 PM



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: 20.95 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005400.D

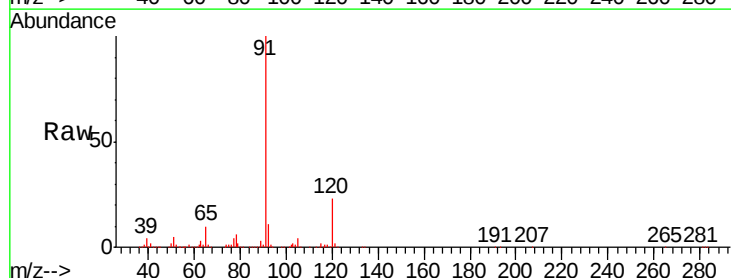
Acq: 17 Oct 2018 20:14

Tgt Ion: 91 Resp: 303071

Ion Ratio Lower Upper

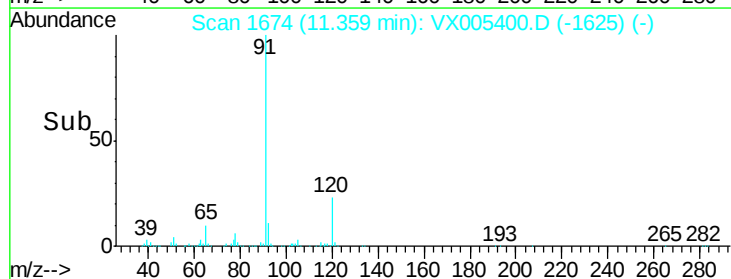
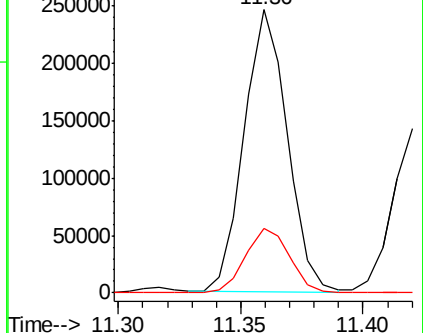
91 100

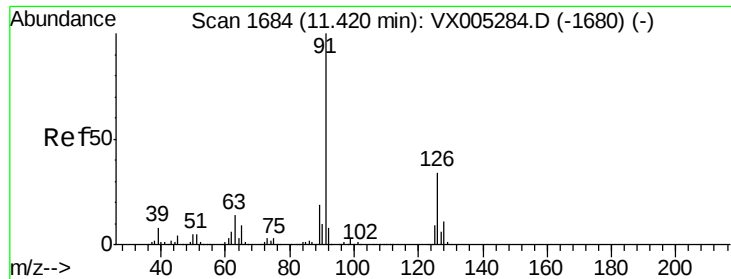
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.35 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBS02

Tgt Ion: 91 Resp: 180334

Ion Ratio Lower Upper

91 100

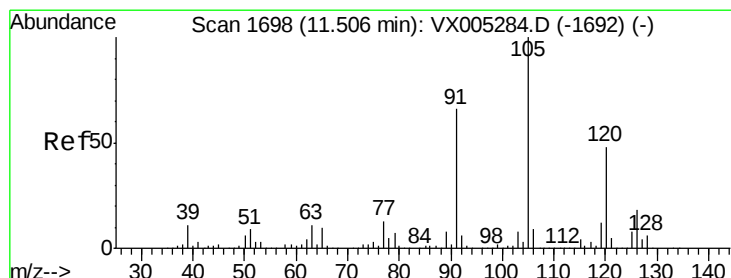
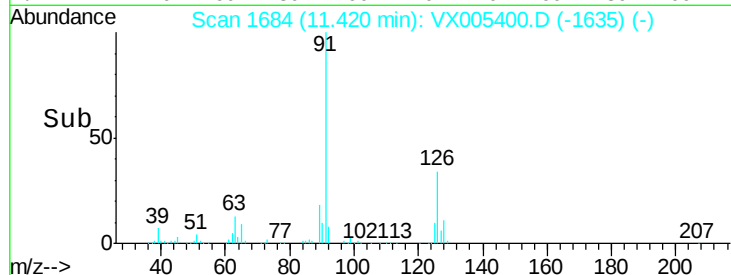
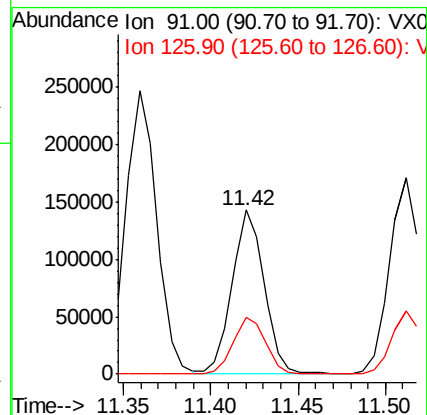
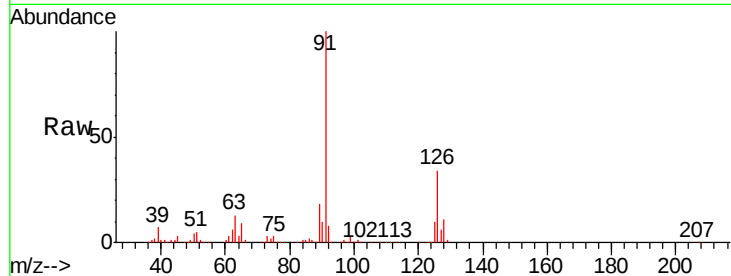
126 35.4 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

10/19/2018 12:23:46 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.73 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005400.D

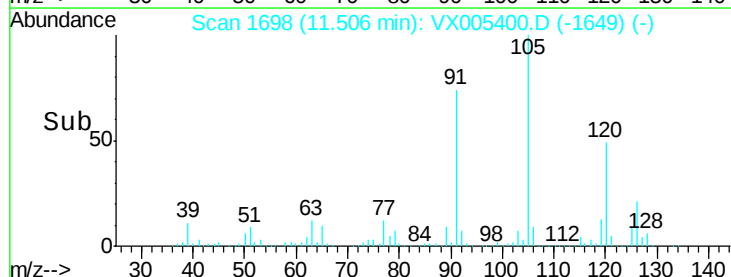
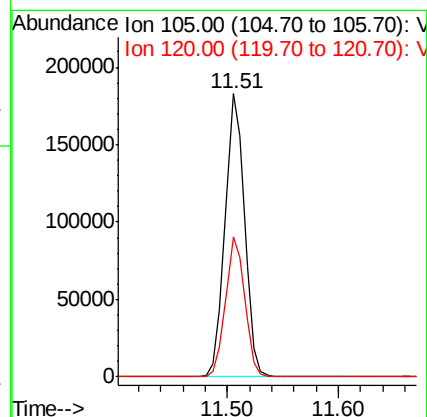
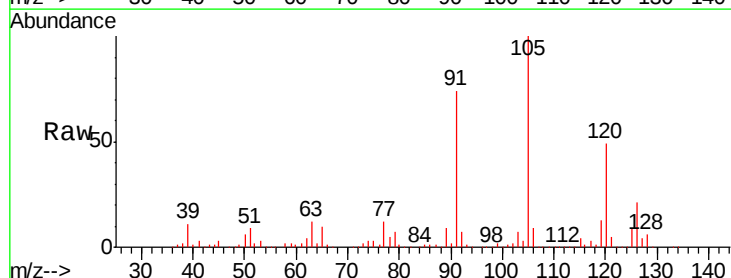
Acq: 17 Oct 2018 20:14

Tgt Ion: 105 Resp: 223158

Ion Ratio Lower Upper

105 100

120 48.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.88 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

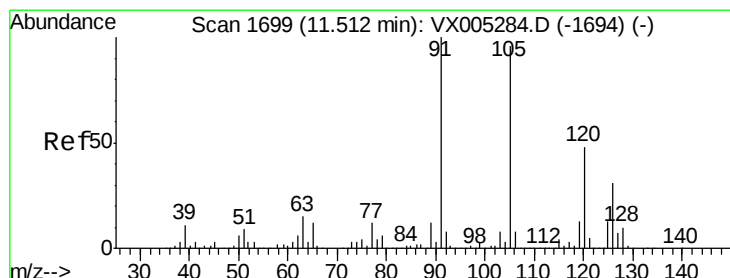
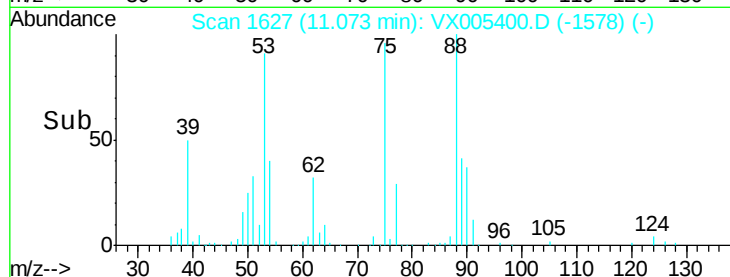
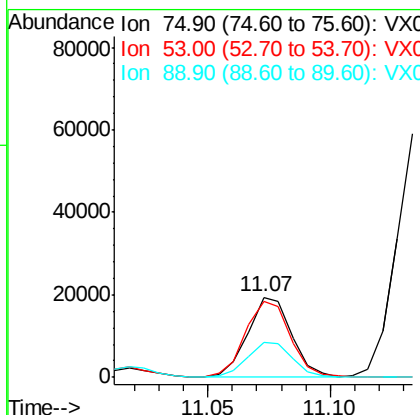
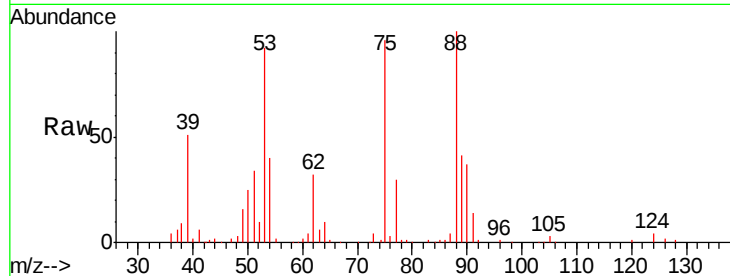
ClientSampleId :

VX1017WBS02

Tgt Ion:	75	Resp:	24146
Ion Ratio	Lower	Upper	
75	100		
53	98.1	80.1	120.1
89	45.8	37.2	55.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#82

4-Chlorotoluene

Concen: 20.15 ug/l

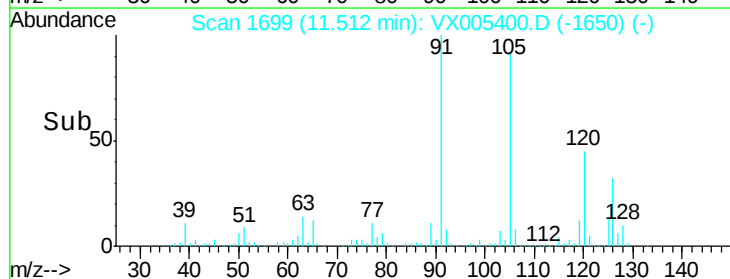
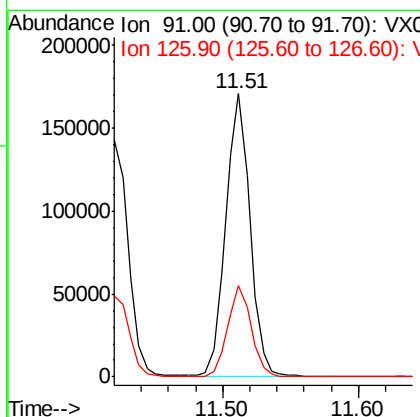
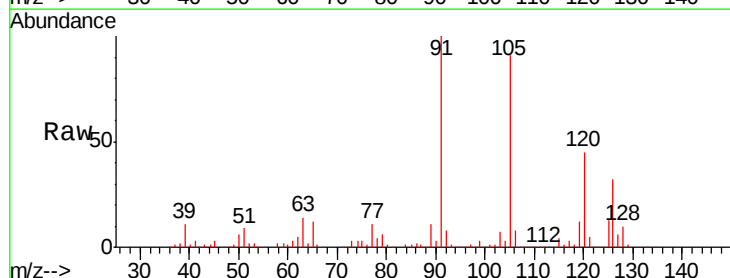
RT: 11.51 min Scan# 1699

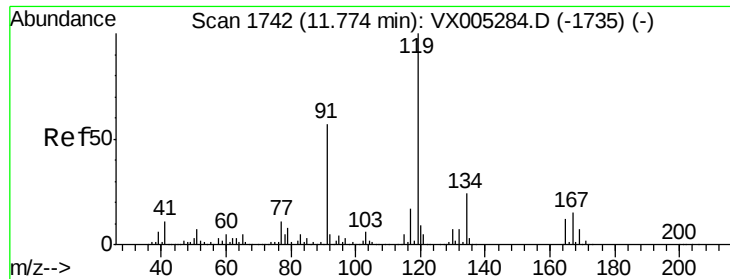
Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Tgt Ion:	91	Resp:	211643
Ion Ratio	Lower	Upper	
91	100		
126	31.3	15.5	46.5





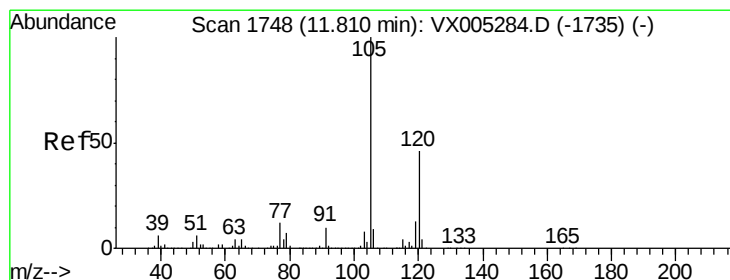
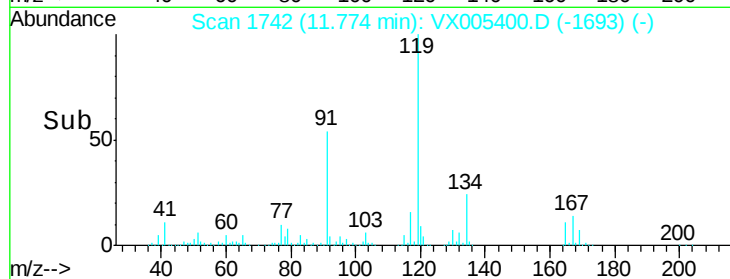
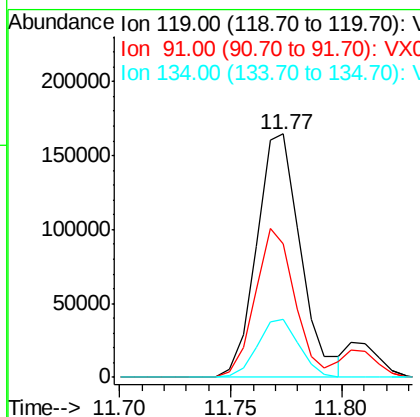
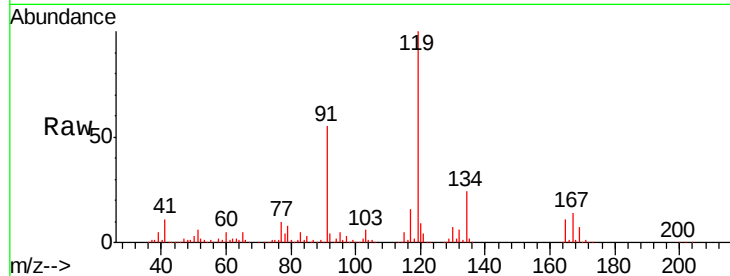
#83
 tert-Butylbenzene
 Concen: 20.72 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	225964		
91	55.4	27.0	81.0	
134	22.8	11.7	35.1	

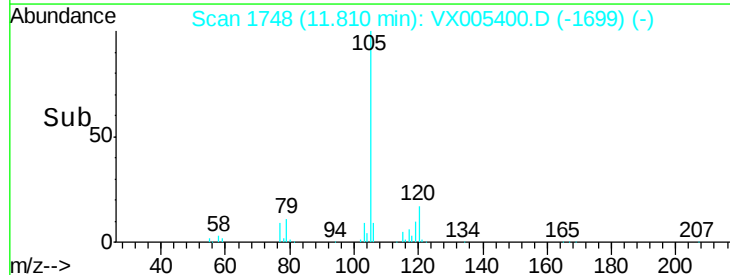
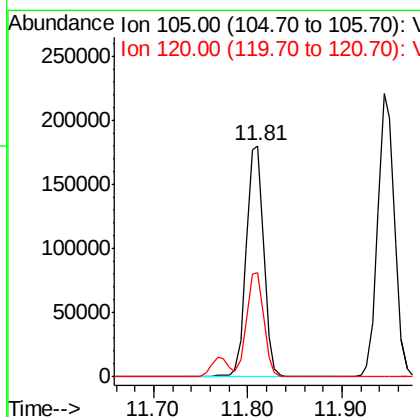
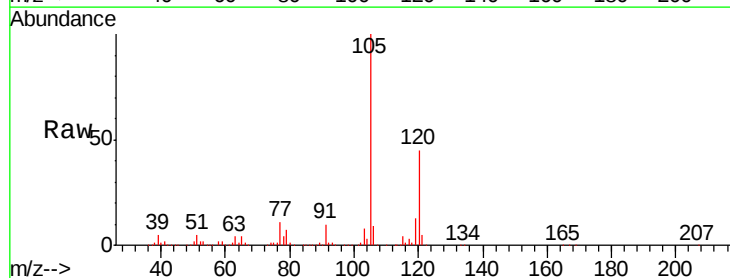
Manual Integrations
 APPROVED

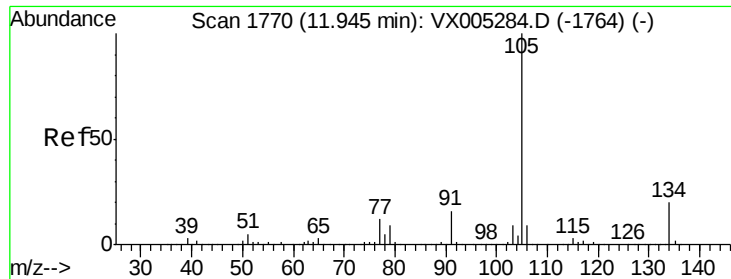
MMDadoda
 10/19/2018 12:23:46 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.99 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	232545		
120	44.7	23.2	69.6	





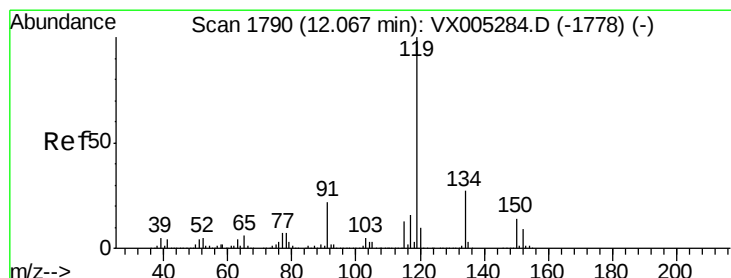
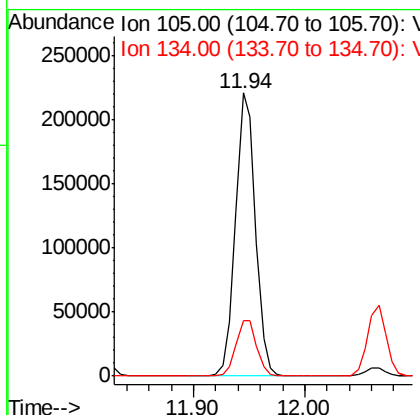
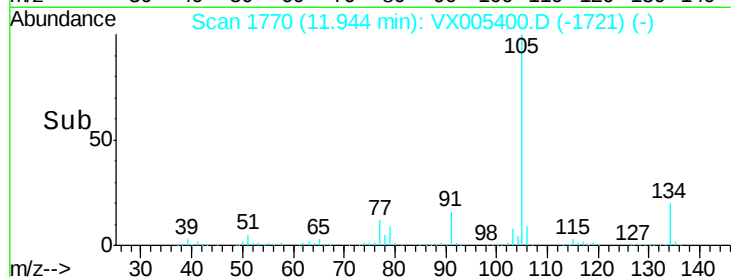
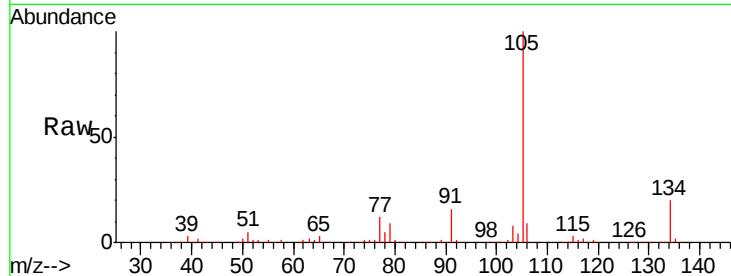
#85
 sec-Butylbenzene
 Concen: 21.16 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS02

Tgt Ion:105 Resp: 273020
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.5 31.5

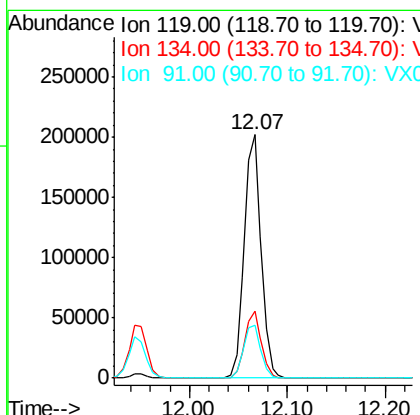
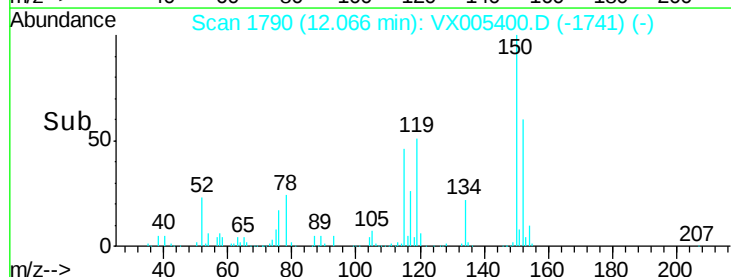
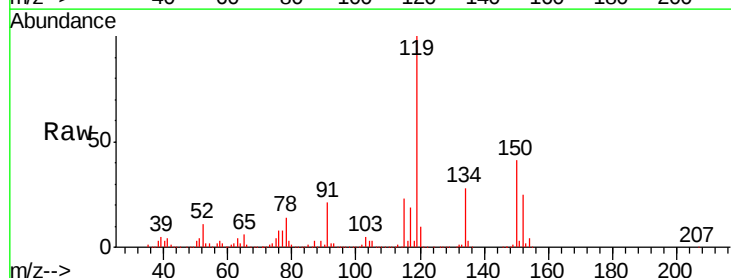
Manual Integrations
 APPROVED

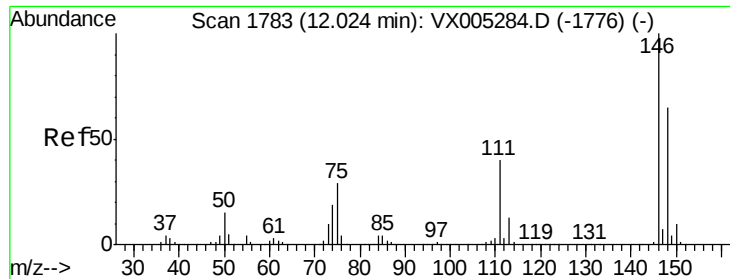
MMDadoda
 10/19/2018 12:23:46 PM



#86
 p-Isopropyltoluene
 Concen: 20.71 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Tgt Ion:119 Resp: 241477
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.2
 91 22.7 10.9 32.7





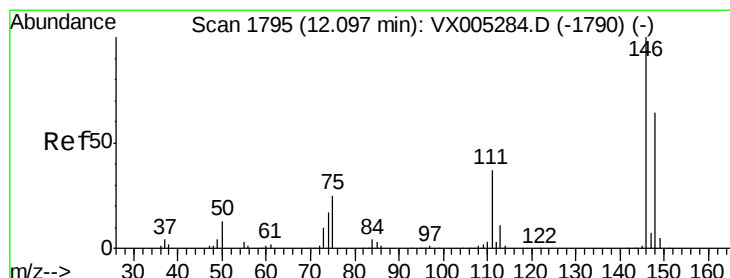
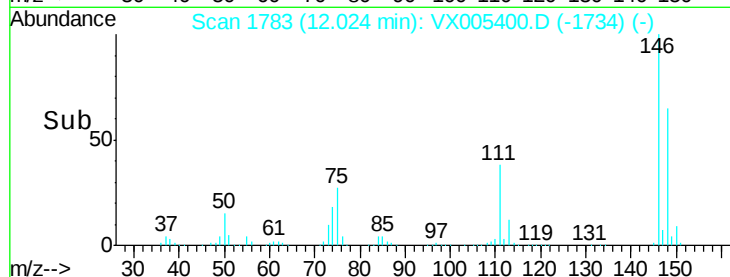
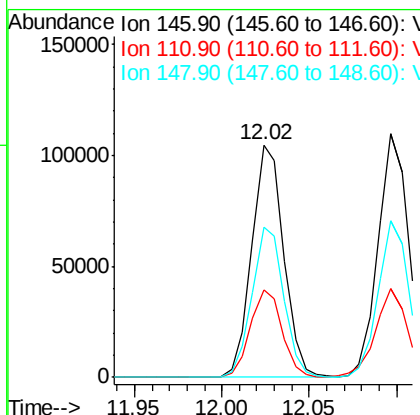
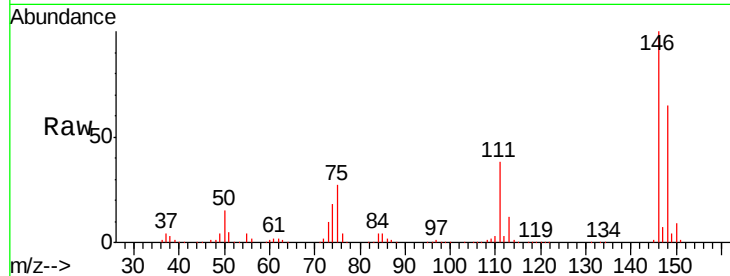
#87
 1,3-Dichlorobenzene
 Concen: 19.83 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	64.5	32.1	96.5

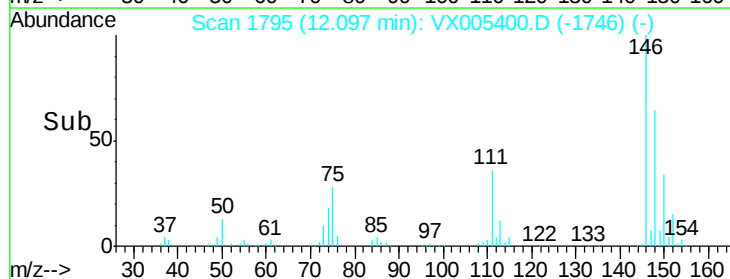
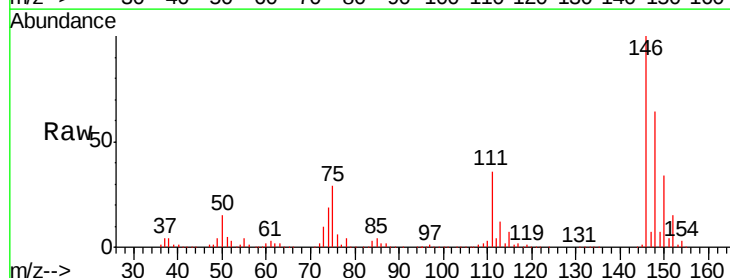
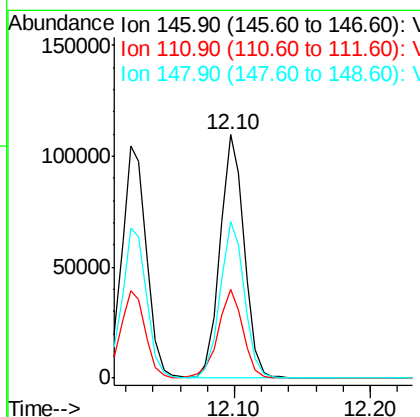
Manual Integrations
 APPROVED

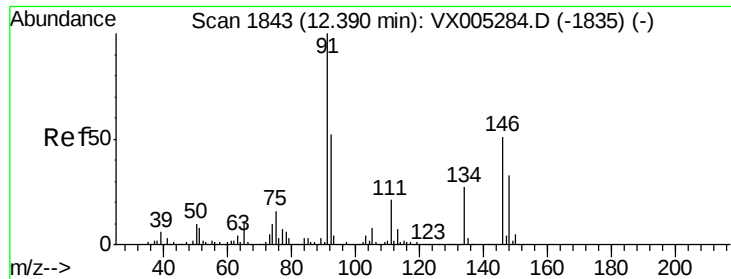
MMDadoda
 10/19/2018 12:23:46 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	64.9	32.0	96.0





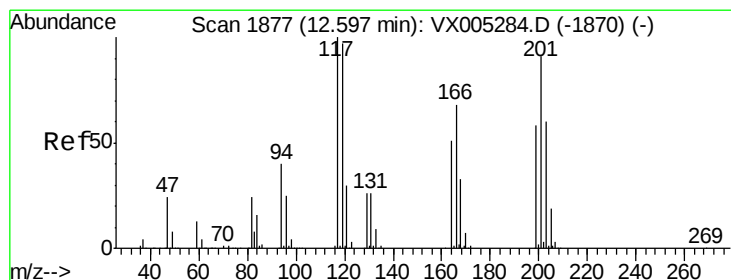
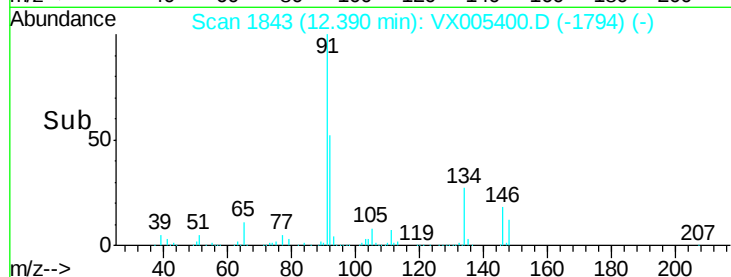
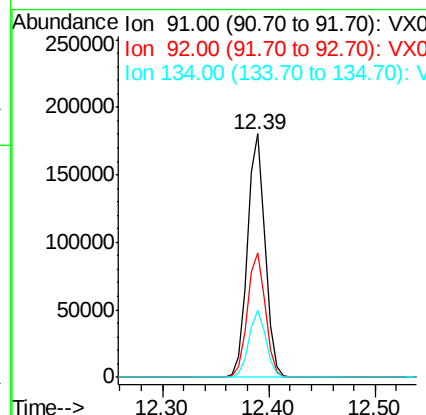
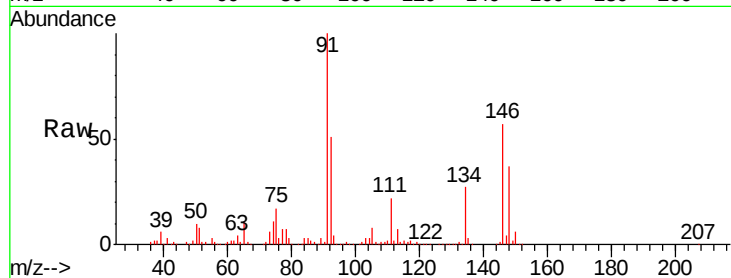
#89
n-Butylbenzene
Concen: 19.83 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS02

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	51.9	27.3	81.9
134	26.9	13.6	40.7

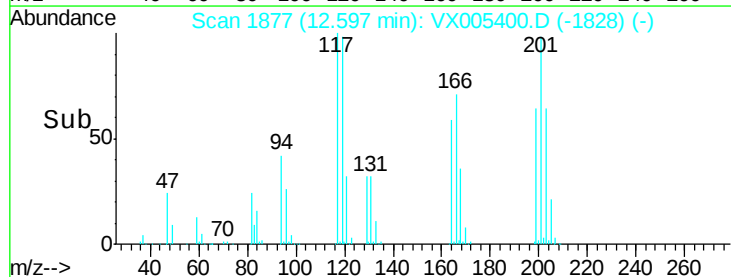
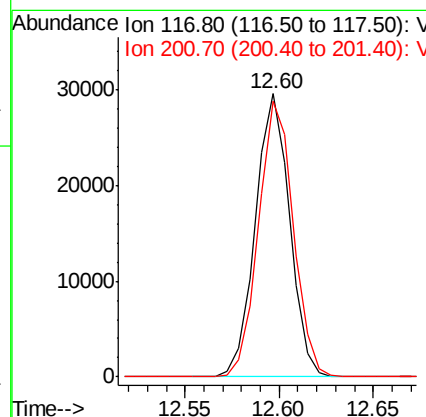
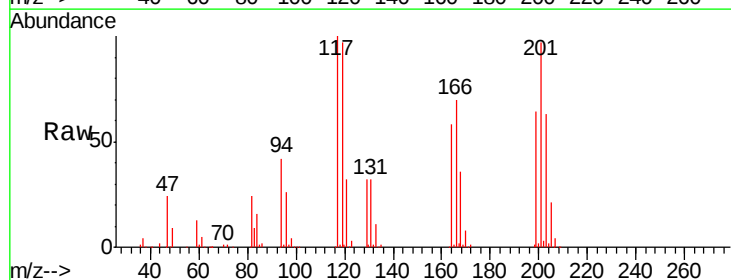
Manual Integrations
APPROVED

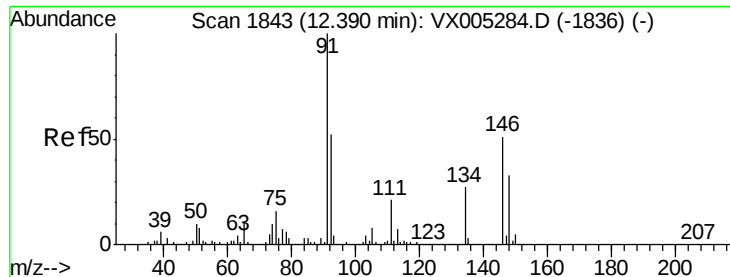
MMDadoda
10/19/2018 12:23:46 PM



#90
Hexachloroethane
Concen: 18.54 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005400.D
Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Resp Lower	Upper
117	100		
201	99.1	46.9	140.6





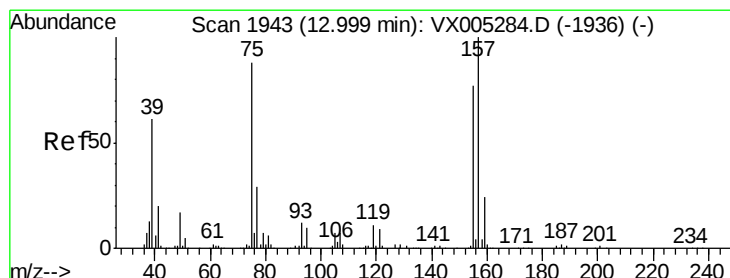
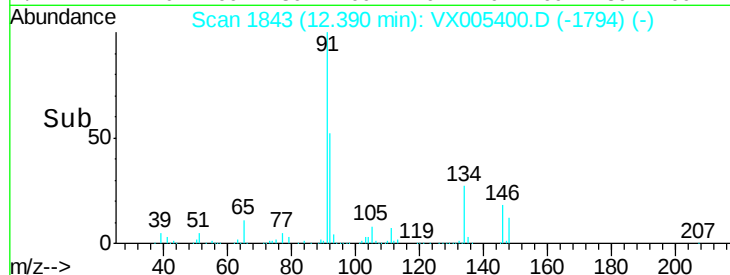
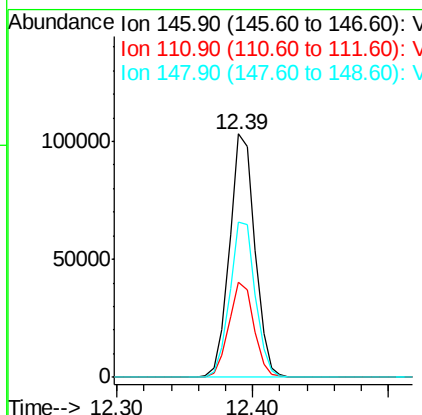
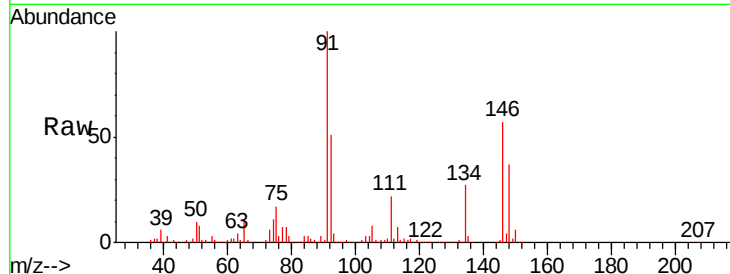
#91
 1,2-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	64.3	32.8	98.3

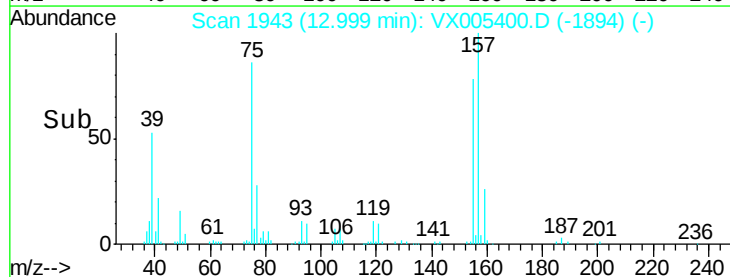
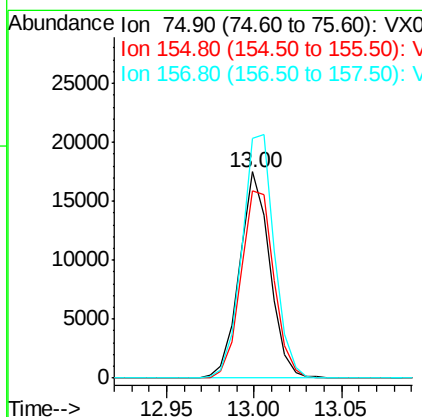
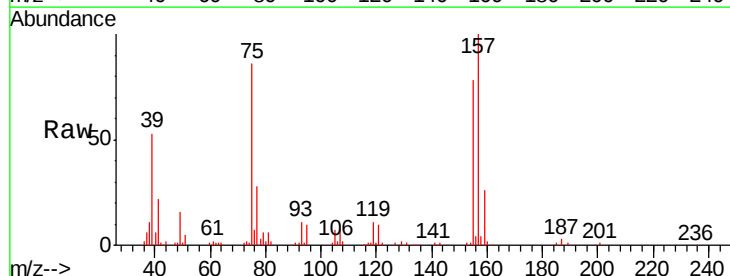
Manual Integrations
 APPROVED

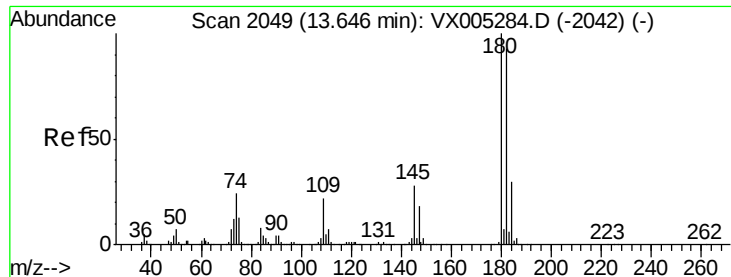
MMDadoda
 10/19/2018 12:23:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.21 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	48.0	144.2
157	126.0	61.4	184.1





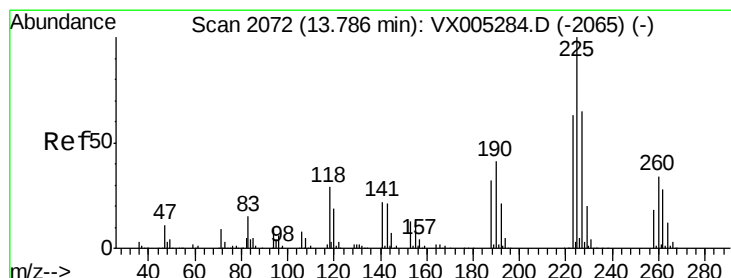
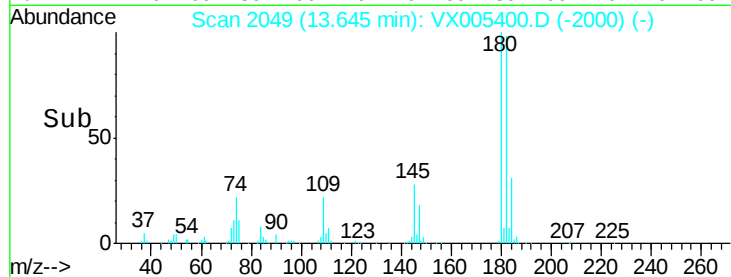
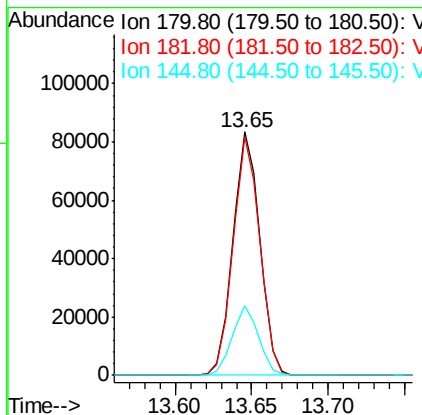
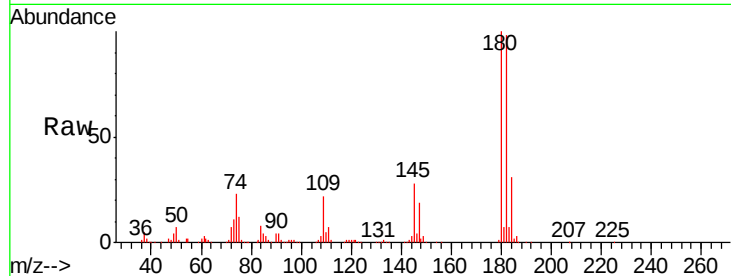
#93
 1,2,4-Trichlorobenzene
 Concen: 20.12 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101180		
182	97.3	48.4	145.0	
145	27.9	14.3	42.9	

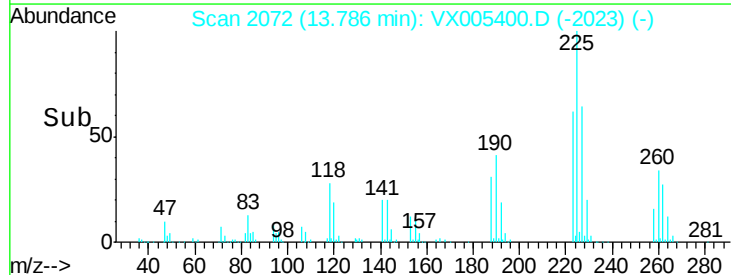
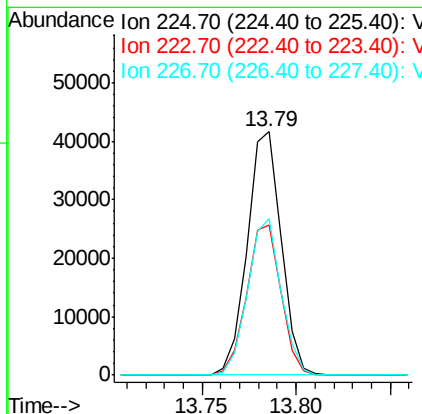
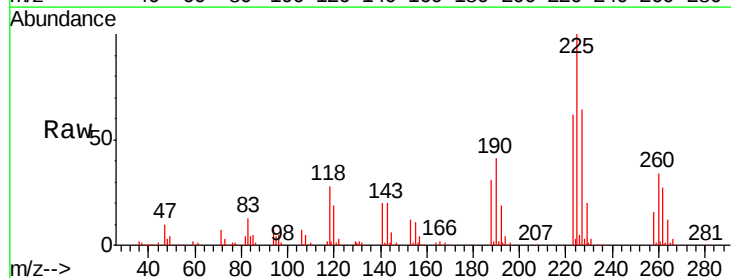
Manual Integrations
 APPROVED

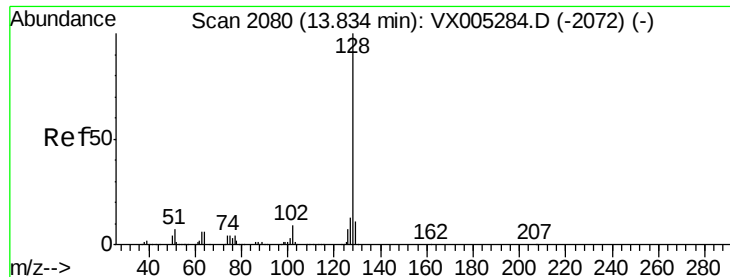
MMDadoda
 10/19/2018 12:23:46 PM



#94
 Hexachlorobutadiene
 Concen: 19.59 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005400.D
 Acq: 17 Oct 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52038		
223	62.1	30.1	90.5	
227	62.8	30.8	92.4	





#95

Naphthalene

Concen: 20.91 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Instrument :

MSVOA_X

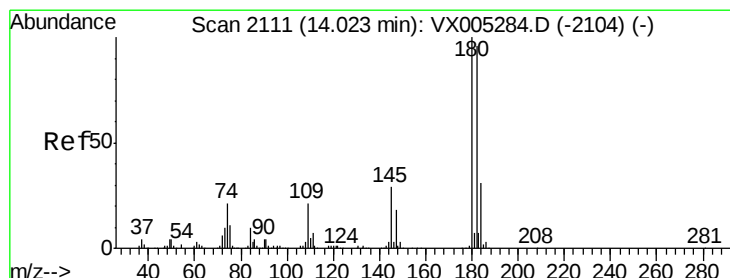
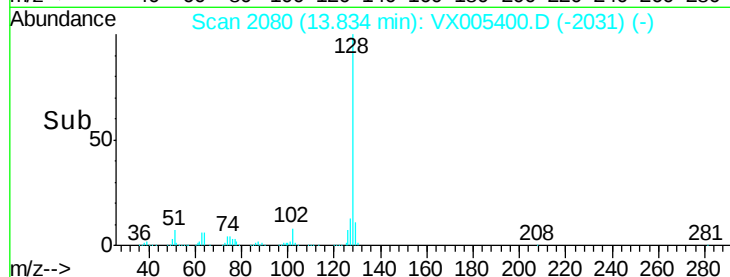
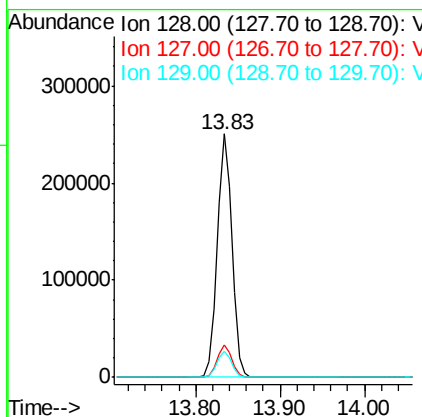
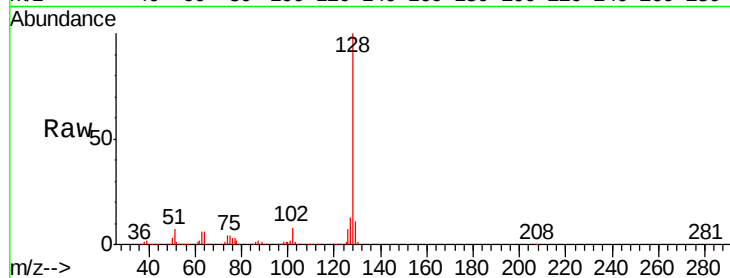
ClientSampleId :

VX1017WBS02

Tgt Ion:	128	Resp:	304942
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 12:23:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.40 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005400.D

Acq: 17 Oct 2018 20:14

Tgt Ion:	180	Resp:	105002
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.5	145.6
145	29.3	14.9	44.9

