

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021819\
 Data File : VX007579.D
 Acq On : 18 Feb 2019 11:05
 Operator : JC/SP
 Sample : VX0218WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0218WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 11:01:12 AM

Quant Time: Feb 19 04:37:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	482367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	693780	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	627234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	325813	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	247685	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	5.50	113	225991	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	8.71	98	807907	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.13	95	288276	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	96003	16.316	ug/l	95
3) Chloromethane	1.33	50	85969	15.823	ug/l	100
4) Vinyl Chloride	1.41	62	91846	17.231	ug/l	99
5) Bromomethane	1.64	94	83959	15.593	ug/l	97
6) Chloroethane	1.72	64	57017	16.536	ug/l	97
7) Trichlorofluoromethane	1.93	101	148785	17.844	ug/l	97
8) Diethyl Ether	2.19	74	54429	17.343	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	86684	17.477	ug/l	97
10) Methyl Iodide	2.51	142	101239	13.876	ug/l	99
11) Tert butyl alcohol	3.06	59	101961	96.228	ug/l	97
12) 1,1-Dichloroethene	2.38	96	75653	16.426	ug/l	95
13) Acrolein	2.29	56	36346	73.151	ug/l	98
14) Allyl chloride	2.73	41	138000	18.389	ug/l	98
15) Acrylonitrile	3.15	53	242162	92.387	ug/l	99
16) Acetone	2.45	43	241627	103.026	ug/l	100
17) Carbon Disulfide	2.57	76	181055	16.517	ug/l	100
18) Methyl Acetate	2.78	43	137477	22.824	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	269990	18.095	ug/l	96
20) Methylene Chloride	2.86	84	87849	18.087	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	80533	16.415	ug/l	98
22) Diisopropyl ether	3.87	45	258443	18.723	ug/l	99
23) Vinyl Acetate	3.82	43	1073637	93.730	ug/l	100
24) 1,1-Dichloroethane	3.70	63	150612	19.000	ug/l	99
25) 2-Butanone	4.70	43	333775	100.003	ug/l	99
26) 2,2-Dichloropropane	4.58	77	114503	18.967	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	93366	17.423	ug/l	97
28) Bromochloromethane	5.01	49	72708	19.945	ug/l	99
29) Tetrahydrofuran	5.15	42	207183	98.698	ug/l	99
30) Chloroform	5.21	83	155016	18.740	ug/l	99
31) Cyclohexane	5.57	56	122760	17.242	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	132760	19.014	ug/l	99
36) 1,1-Dichloropropene	5.80	75	106444	17.100	ug/l	99
37) Ethyl Acetate	4.85	43	118857	18.889	ug/l	99
38) Carbon Tetrachloride	5.78	117	115026	19.047	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021819\
 Data File : VX007579.D
 Acq On : 18 Feb 2019 11:05
 Operator : JC/SP
 Sample : VX0218WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0218WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 11:01:12 AM

Quant Time: Feb 19 04:37:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	130234	17.292	ug/l	99
40) Benzene	6.14	78	333864	18.208	ug/l	95
41) Methacrylonitrile	5.06	41	67286	19.951	ug/l	100
42) 1,2-Dichloroethane	6.20	62	115406	18.190	ug/l	98
43) Isopropyl Acetate	6.46	43	186567	19.209	ug/l	99
44) Trichloroethene	7.21	130	97394	17.636	ug/l	98
45) 1,2-Dichloropropane	7.51	63	87059	18.949	ug/l	98
46) Dibromomethane	7.66	93	60637	18.159	ug/l	98
47) Bromodichloromethane	7.90	83	109105	19.280	ug/l	98
48) Methyl methacrylate	7.77	41	94485	19.448	ug/l	99
49) 1,4-Dioxane	7.75	88	42681	390.526	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	628522	98.300	ug/l	100
52) Toluene	8.78	92	210762	17.815	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	115287	18.966	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	129196	19.327	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	92964	18.851	ug/l	96
56) Ethyl methacrylate	9.18	69	127895	18.725	ug/l	99
57) 1,3-Dichloropropane	9.37	76	145747	18.584	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	357266	99.239	ug/l	99
59) 2-Hexanone	9.49	43	487287	97.937	ug/l	99
60) Dibromochloromethane	9.58	129	92954	19.930	ug/l	100
61) 1,2-Dibromoethane	9.67	107	96795	18.534	ug/l	99
64) Tetrachloroethene	9.34	164	102454	17.330	ug/l	97
65) Chlorobenzene	10.13	112	245819	17.959	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	90857	19.799	ug/l	98
67) Ethyl Benzene	10.25	91	404742	18.362	ug/l	98
68) m/p-Xylenes	10.36	106	313487	35.778	ug/l	97
69) o-Xylene	10.69	106	154441	18.318	ug/l	100
70) Styrene	10.71	104	248932	18.205	ug/l	99
71) Bromoform	10.85	173	69347	19.870	ug/l	100
73) Isopropylbenzene	11.02	105	421757	19.049	ug/l	98
74) N-amyl acetate	10.90	43	162586	18.985	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	134672	19.958	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	128886m	20.337	ug/l	
77) Bromobenzene	11.26	156	113930	18.263	ug/l	99
78) n-propylbenzene	11.36	91	466263	19.205	ug/l	100
79) 2-Chlorotoluene	11.42	91	275724	18.716	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	339141	18.723	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	35945	20.277	ug/l	99
82) 4-Chlorotoluene	11.51	91	321372	18.853	ug/l	99
83) tert-Butylbenzene	11.77	119	337906	18.842	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	351915	19.136	ug/l	99
85) sec-Butylbenzene	11.94	105	420521	19.374	ug/l	100
86) p-Isopropyltoluene	12.06	119	372957	19.035	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	201055	17.958	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	203515	17.918	ug/l	99
89) n-Butylbenzene	12.38	91	312851	18.561	ug/l	99
90) Hexachloroethane	12.60	117	61311	20.908	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	202227	18.150	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27770	19.793	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021819\
Data File : VX007579.D
Acq On : 18 Feb 2019 11:05
Operator : JC/SP
Sample : VX0218WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

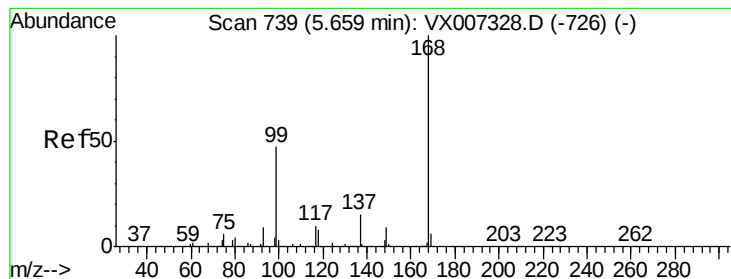
Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM

Quant Time: Feb 19 04:37:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	137396	18.286	ug/l	100
94) Hexachlorobutadiene	13.78	225	68615	18.806	ug/l	99
95) Naphthalene	13.83	128	408694	18.600	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137650	18.199	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion:168 Resp: 482367

Ion Ratio Lower Upper

168 100

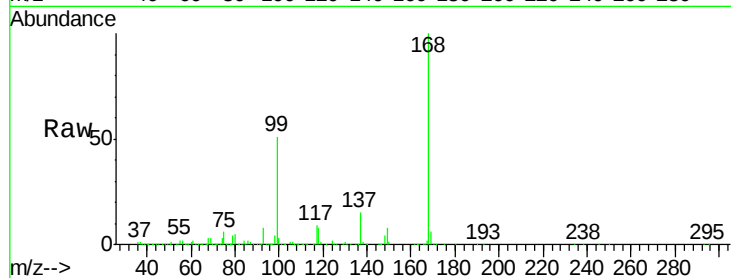
99 50.6 37.9 56.9

Manual Integrations

APPROVED

MMDadoda

2/19/2019 11:01:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

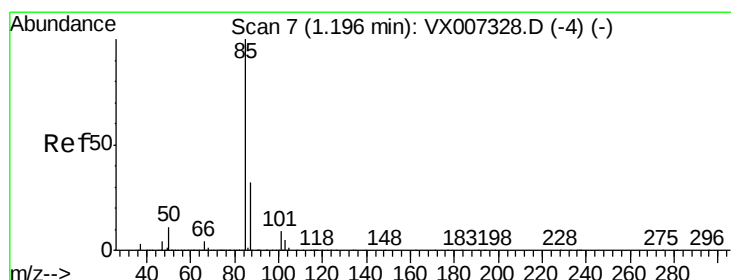
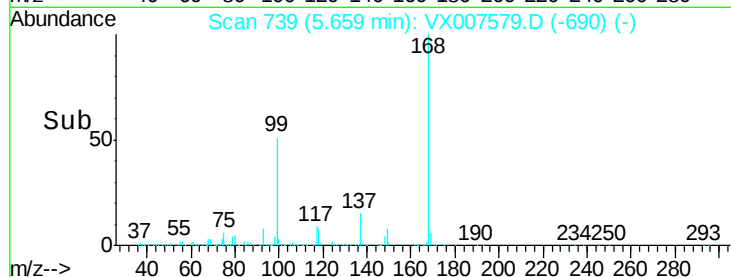
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.316 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007579.D

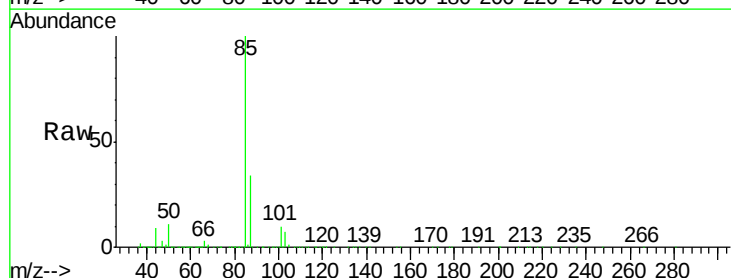
Acq: 18 Feb 2019 11:05

Tgt Ion: 85 Resp: 96003

Ion Ratio Lower Upper

85 100

87 34.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

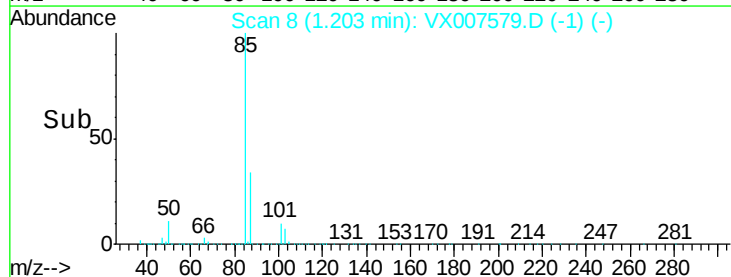
40000

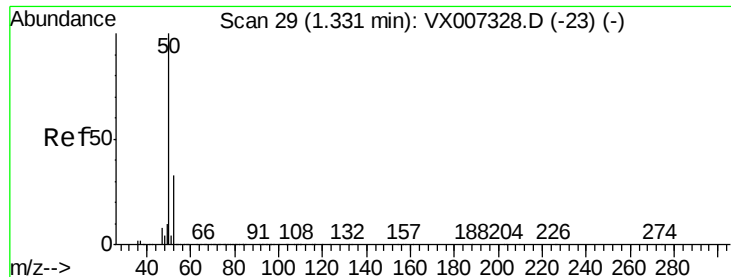
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 15.823 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 50 Resp: 85969

Ion Ratio Lower Upper

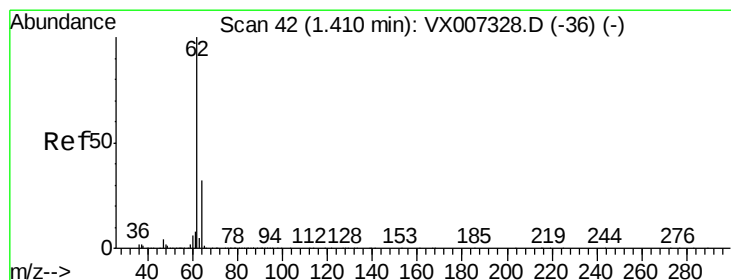
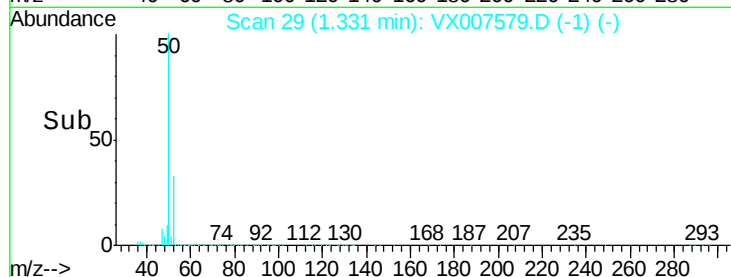
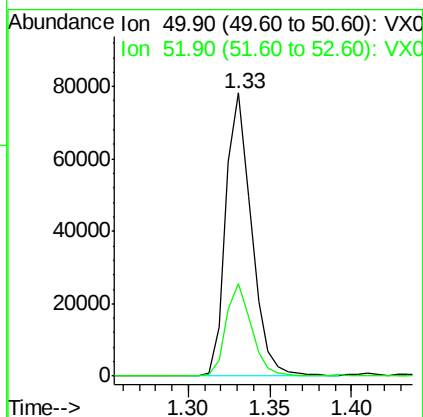
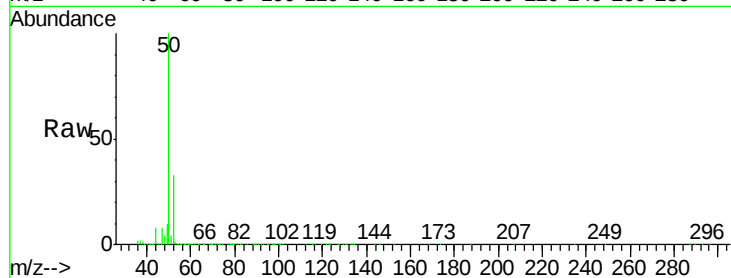
50 100

52 32.5 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

2/19/2019 11:01:12 AM



#4

Vinyl Chloride

Concen: 17.231 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007579.D

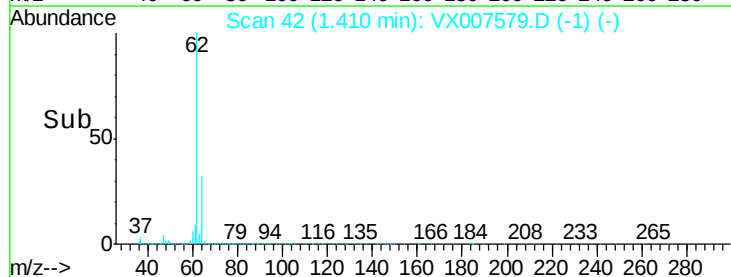
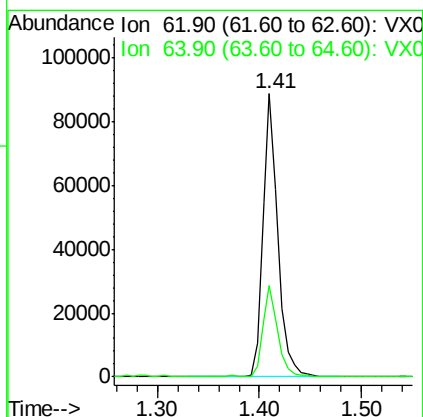
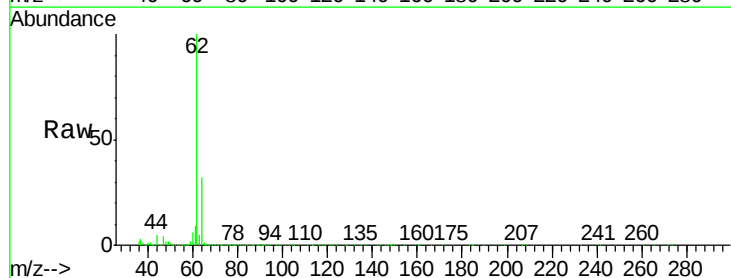
Acq: 18 Feb 2019 11:05

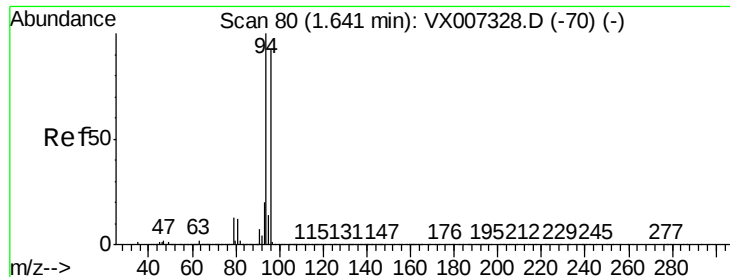
Tgt Ion: 62 Resp: 91846

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 15.593 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 94 Resp: 83959

Ion Ratio Lower Upper

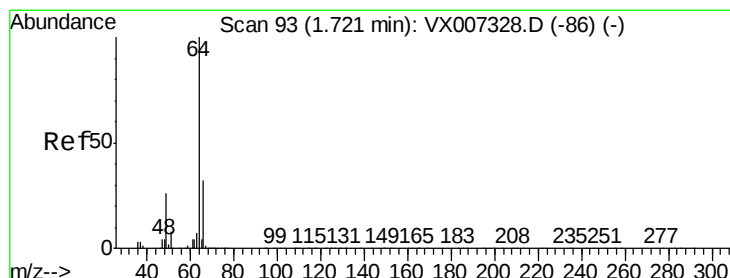
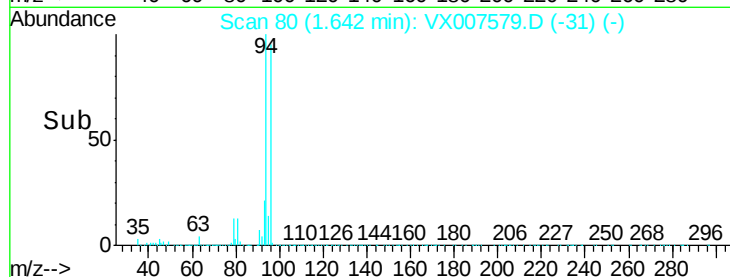
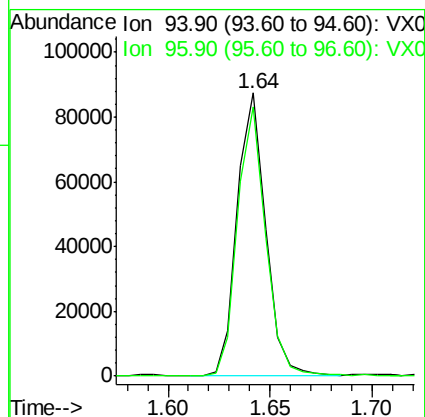
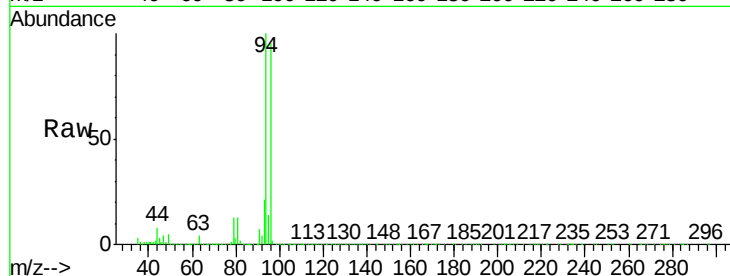
94 100

96 95.1 73.9 110.9

Manual Integrations
APPROVED

MMDadoda

2/19/2019 11:01:12 AM



#6

Chloroethane

Concen: 16.536 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007579.D

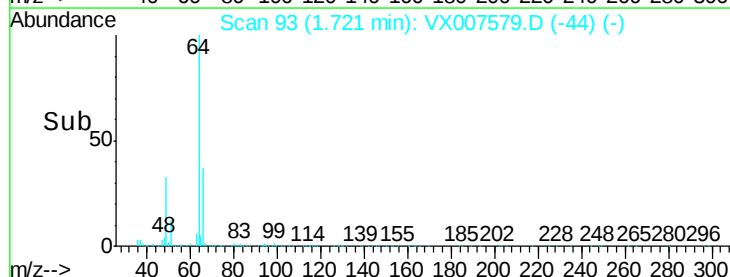
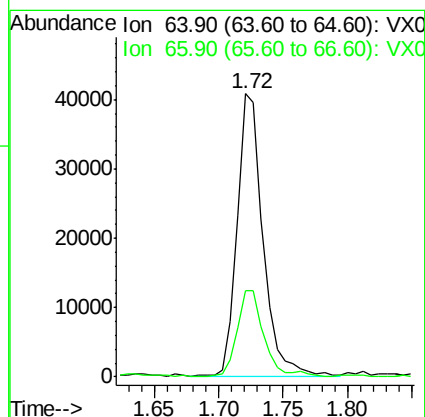
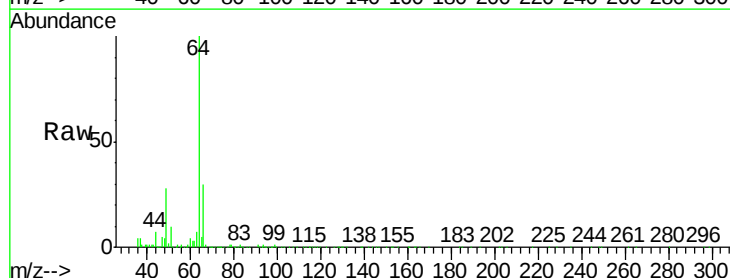
Acq: 18 Feb 2019 11:05

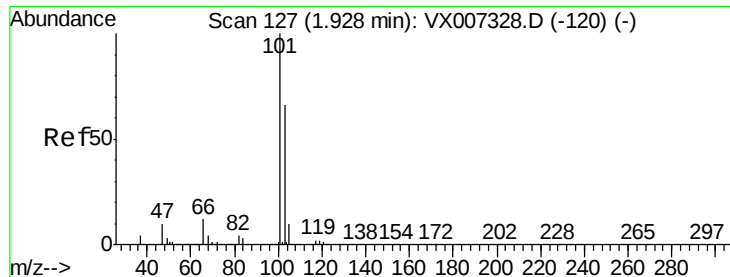
Tgt Ion: 64 Resp: 57017

Ion Ratio Lower Upper

64 100

66 30.2 25.5 38.3





#7

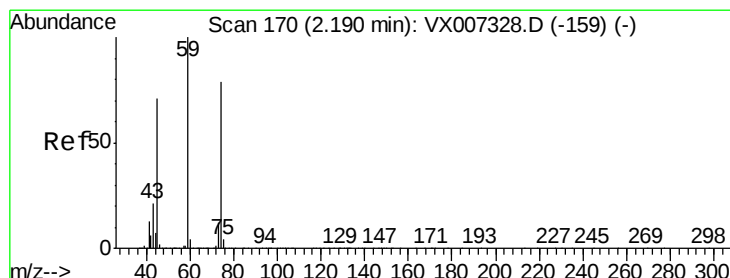
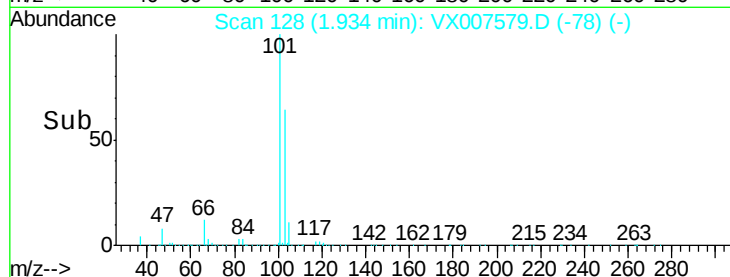
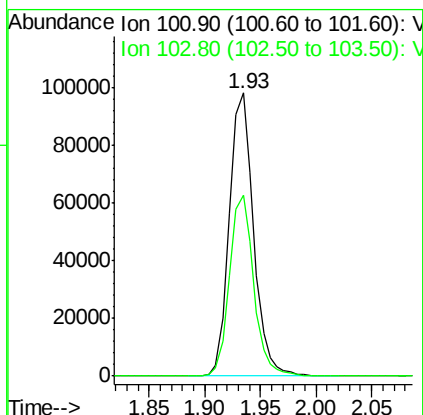
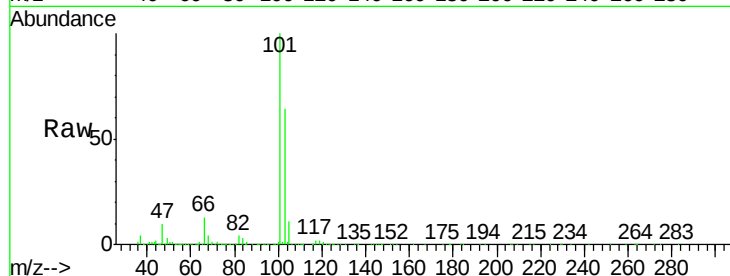
Trichlorofluoromethane
Concen: 17.844 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		148785		
103	63.8	52.6	79.0		

Manual Integrations
APPROVED

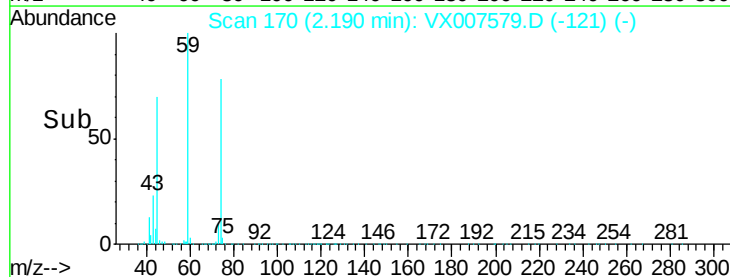
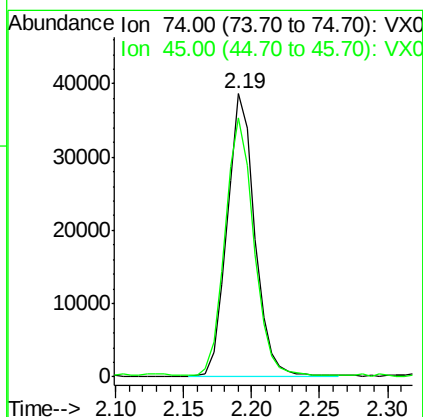
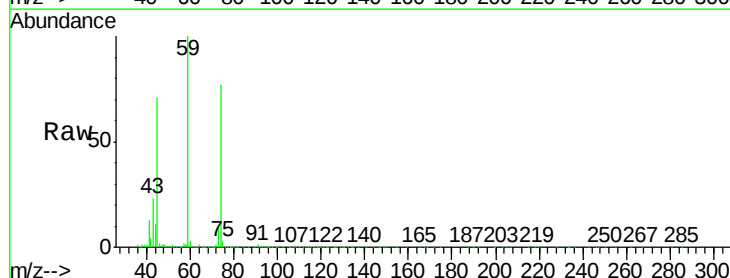
MMDadoda
2/19/2019 11:01:12 AM

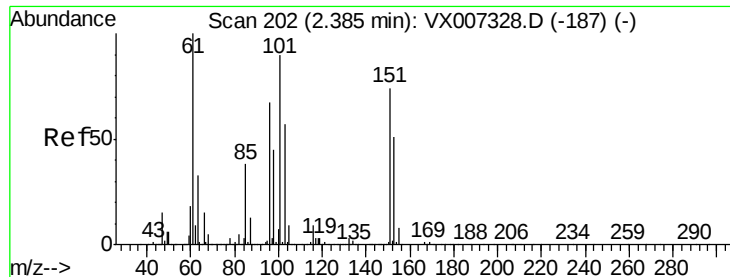


#8

Diethyl Ether
Concen: 17.343 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		54429		
45	94.5	45.7	137.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.477 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

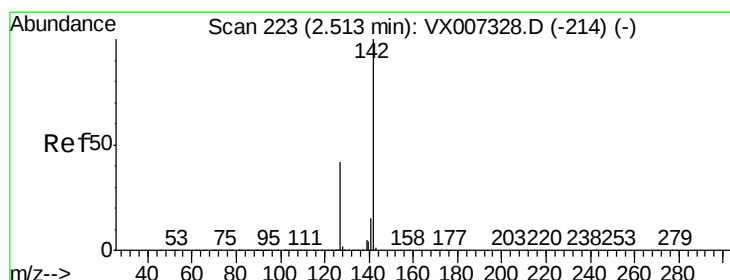
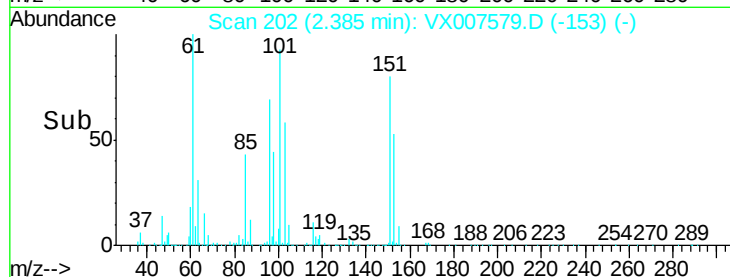
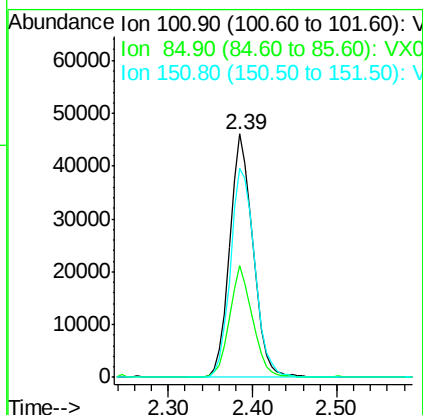
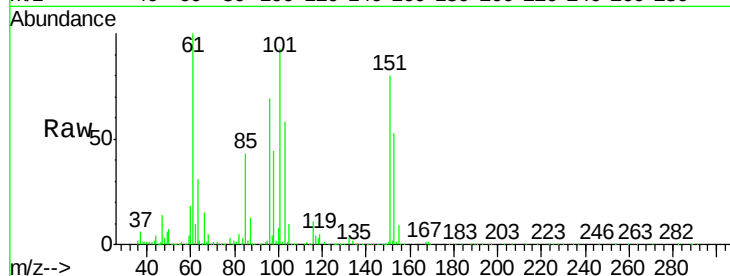
ClientSampleId :

VX0218WBS01

Tot Ion:	101	Resp:	86684
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.1	51.1
151	89.2	69.9	104.9

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#10

Methyl Iodide

Concen: 13.876 ug/l

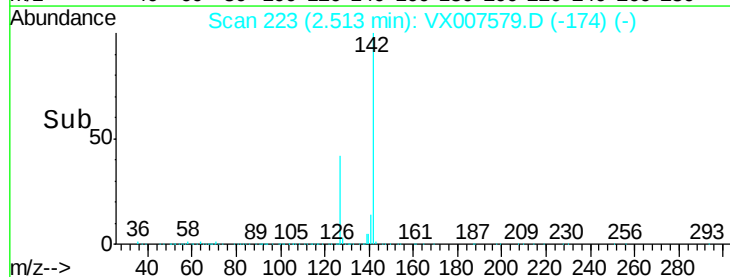
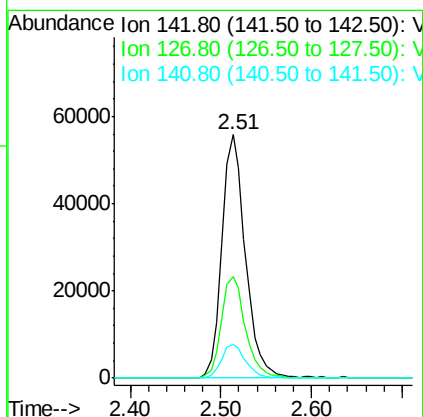
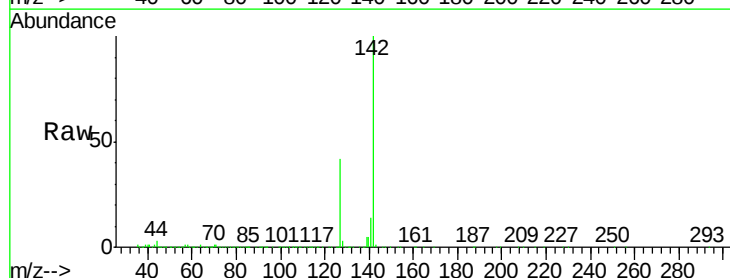
RT: 2.51 min Scan# 223

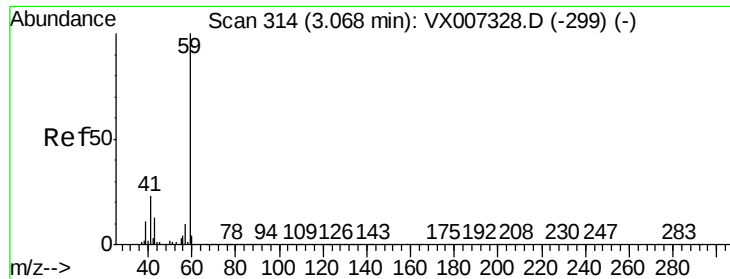
Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Tgt Ion:	142	Resp:	101239
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.7	50.5
141	14.4	11.3	16.9





#11

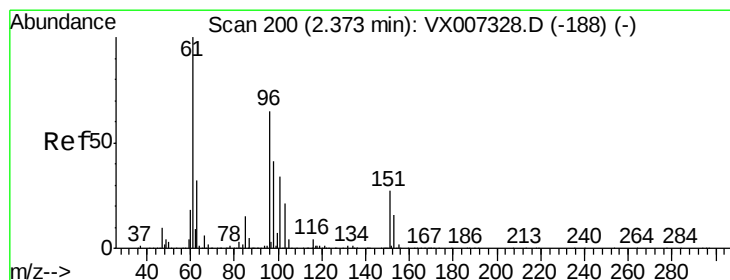
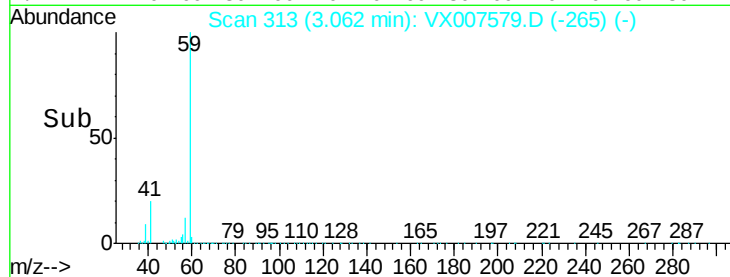
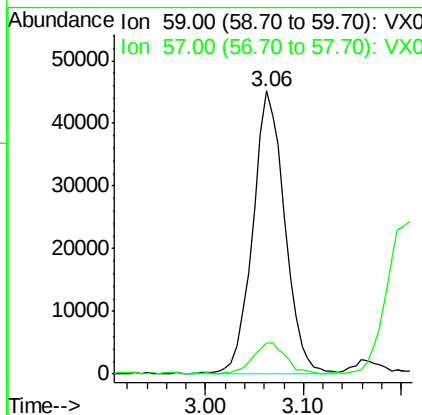
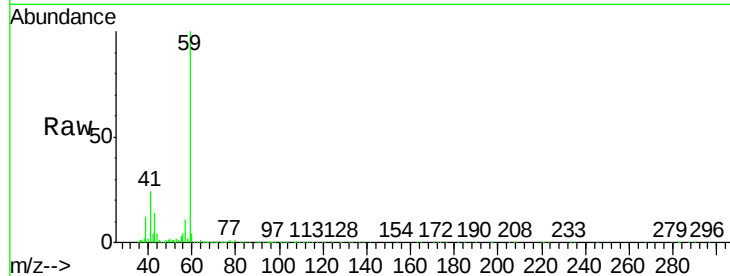
Tert butyl alcohol
Concen: 96.228 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	11.1	8.1	12.1

Manual Integrations
APPROVED

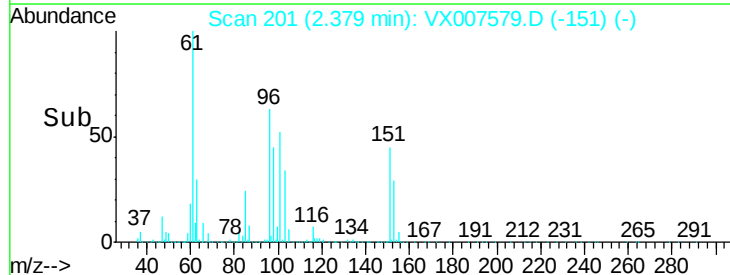
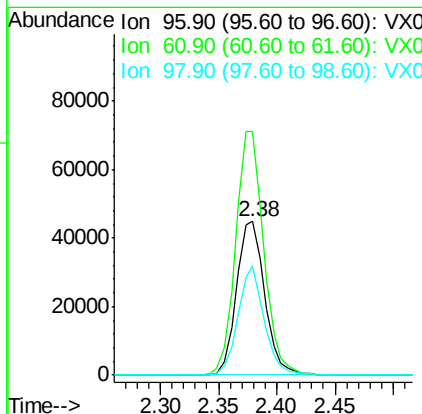
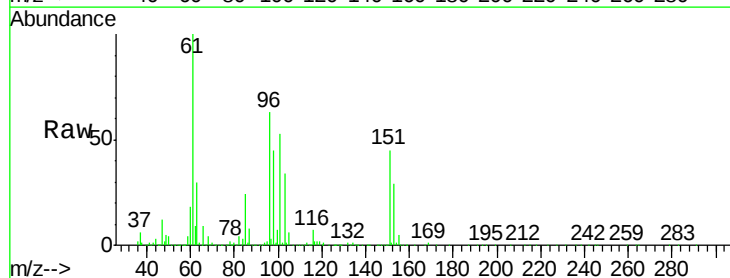
MMDadoda
2/19/2019 11:01:12 AM

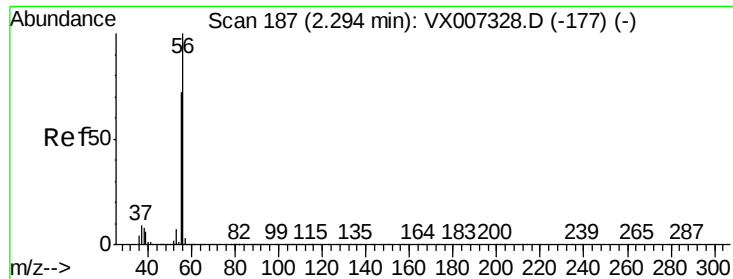


#12

1,1-Dichloroethene
Concen: 16.426 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	158.5	123.0	184.4
98	98	70.6	50.9	76.3





#13

Acrolein

Concen: 73.151 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 56 Resp: 36346

Ion Ratio Lower Upper

56 100

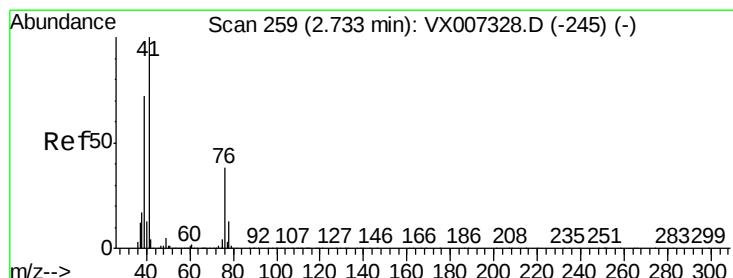
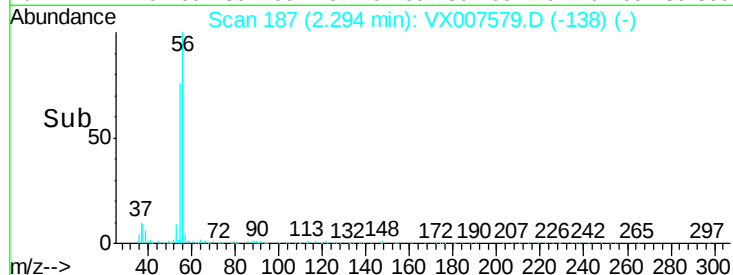
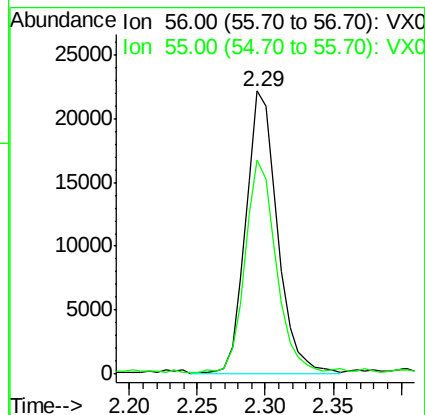
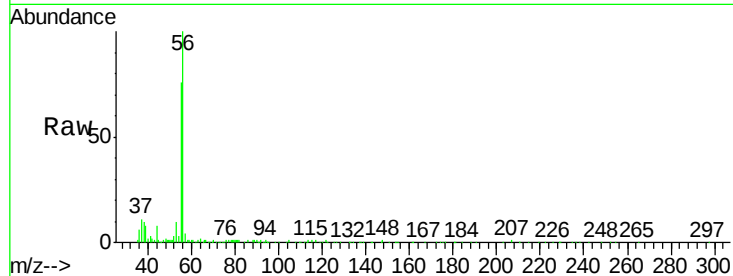
55 72.4 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

2/19/2019 11:01:12 AM



#14

Allyl chloride

Concen: 18.389 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

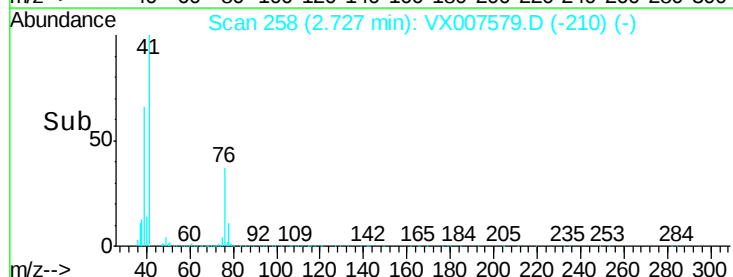
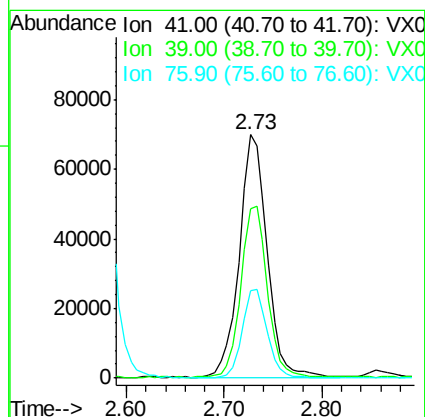
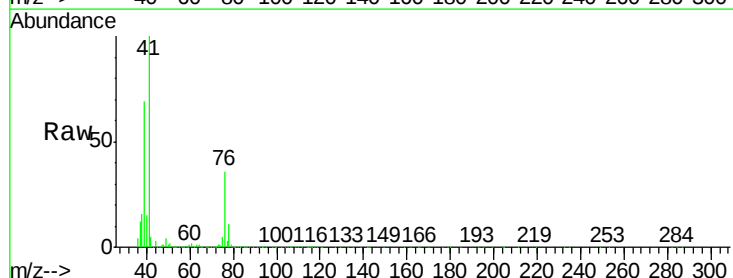
Tgt Ion: 41 Resp: 138000

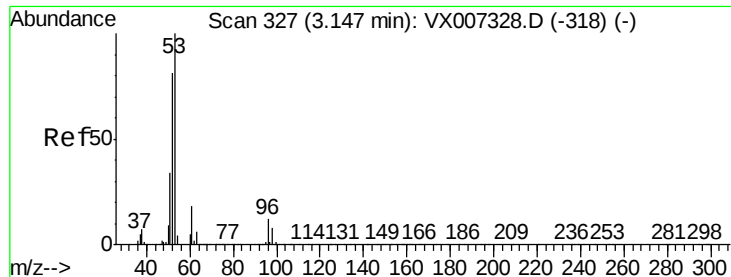
Ion Ratio Lower Upper

41 100

39 67.1 54.1 81.1

76 32.5 27.8 41.8





#15

Acrylonitrile

Concen: 92.387 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

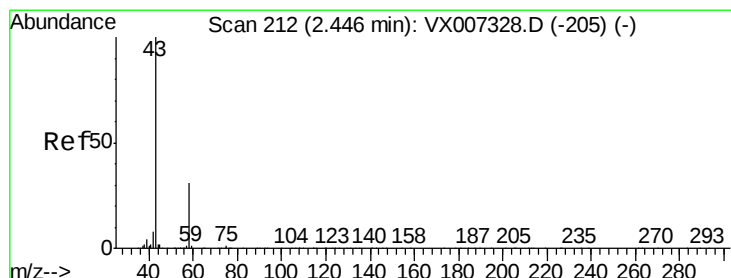
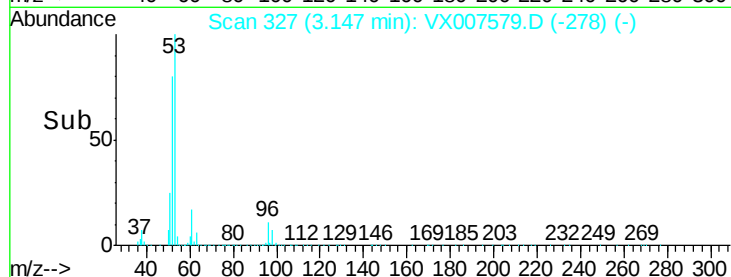
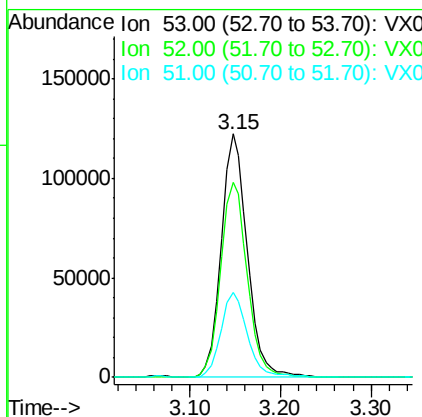
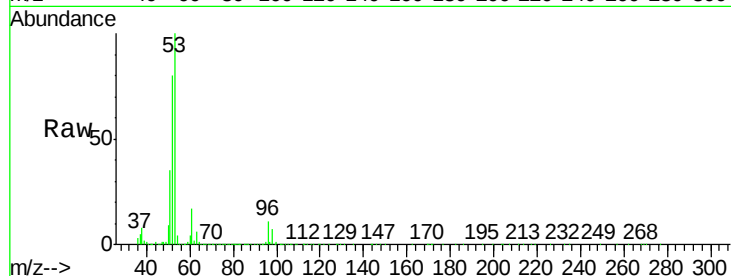
ClientSampleId :

VX0218WBS01

Tot Ion:	53	Resp:	242162
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.4	99.6
51	35.9	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#16

Acetone

Concen: 103.026 ug/l

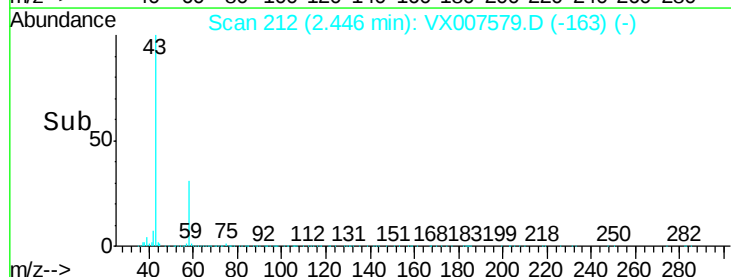
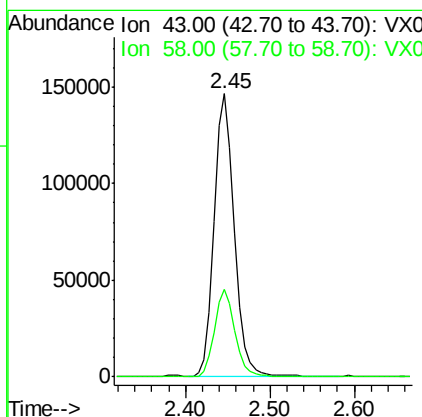
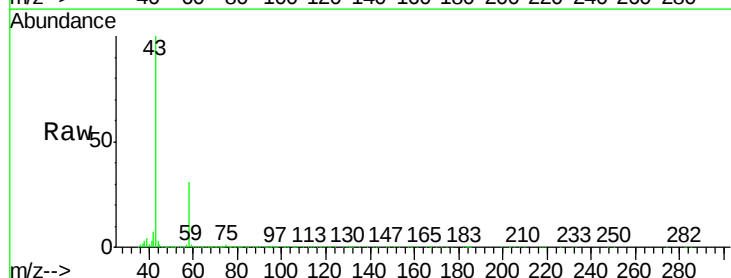
RT: 2.45 min Scan# 212

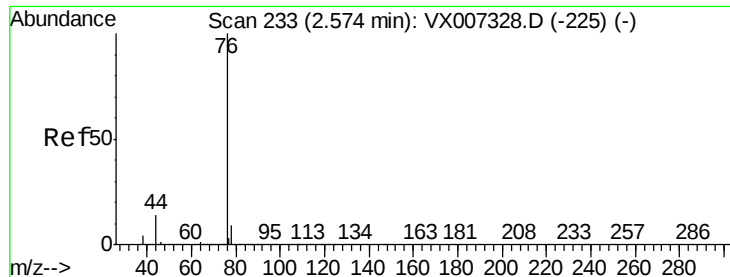
Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Tgt Ion:	43	Resp:	241627
Ion Ratio		Lower	Upper
43	100		
58	31.0	24.9	37.3





#17

Carbon Disulfide

Concen: 16.517 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 76 Resp: 181055

Ion Ratio Lower Upper

76 100

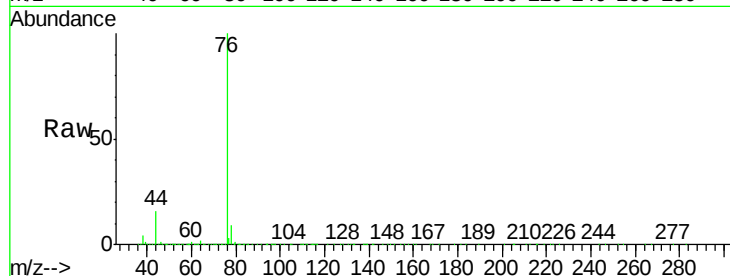
78 8.9 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

2/19/2019 11:01:12 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

120000

100000

80000

60000

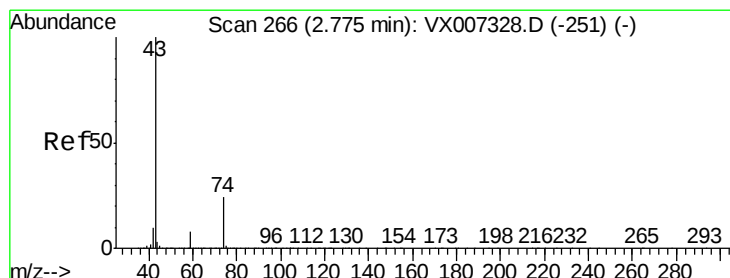
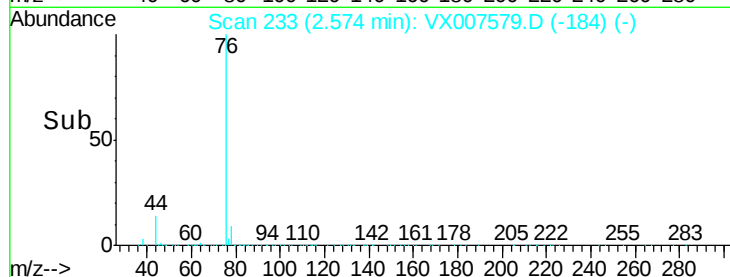
40000

20000

0

2.50 2.55 2.60 2.65 2.70

Time-->



#18

Methyl Acetate

Concen: 22.824 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007579.D

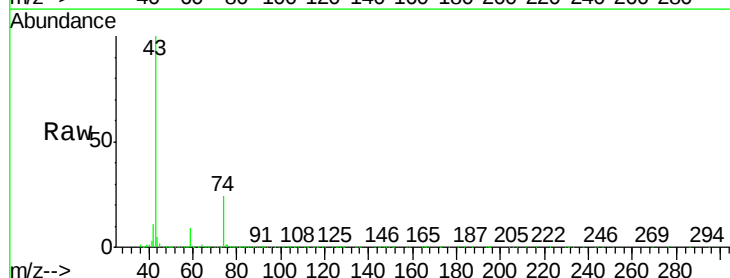
Acq: 18 Feb 2019 11:05

Tgt Ion: 43 Resp: 137477

Ion Ratio Lower Upper

43 100

74 23.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

80000

60000

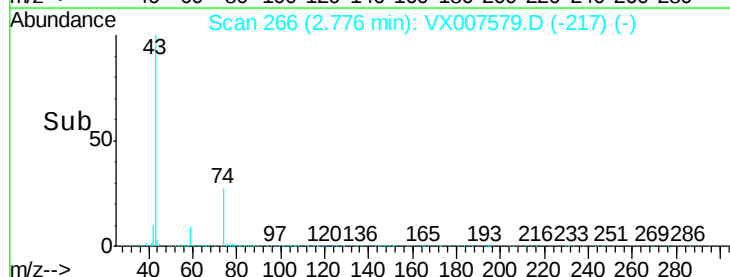
40000

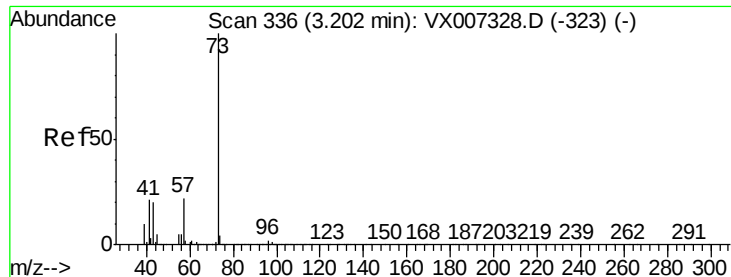
20000

0

2.70 2.75 2.80 2.85

Time-->





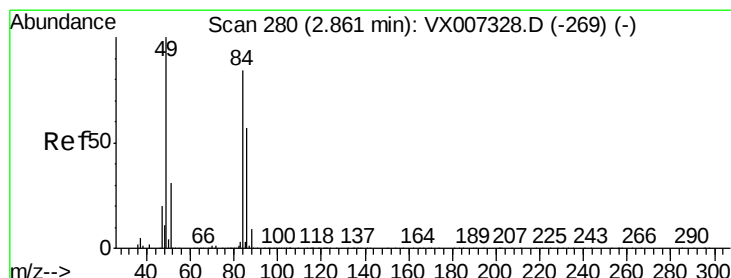
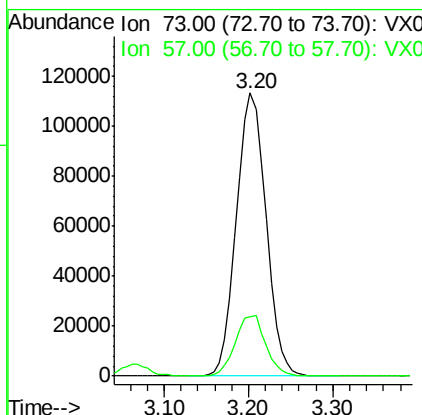
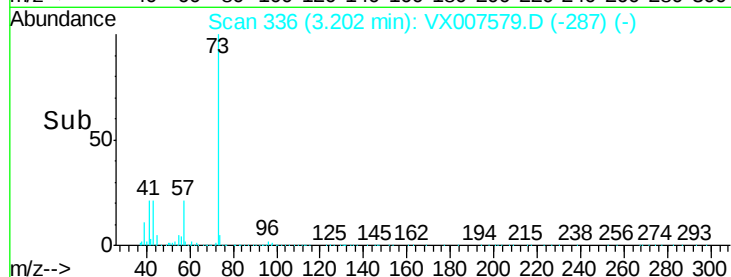
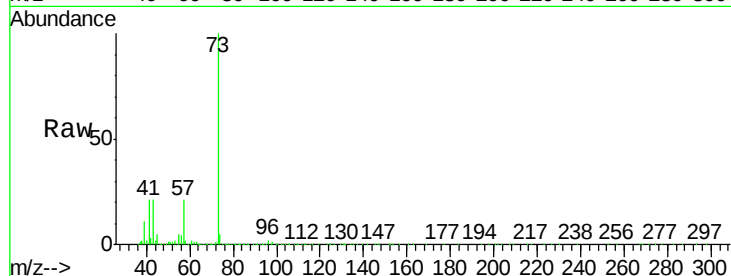
#19
Methvl tert-butvl Ether
Concen: 18.095 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.8	26.8

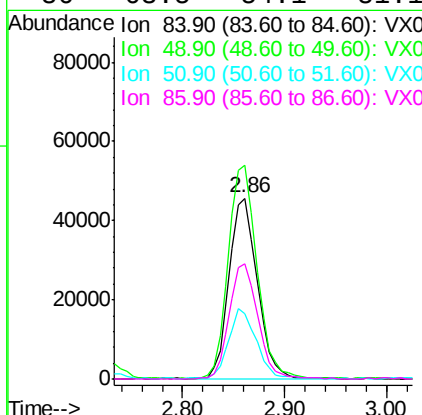
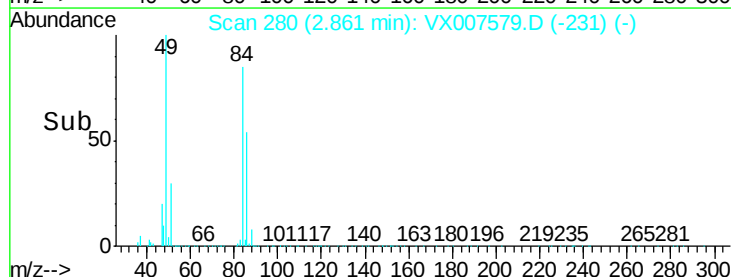
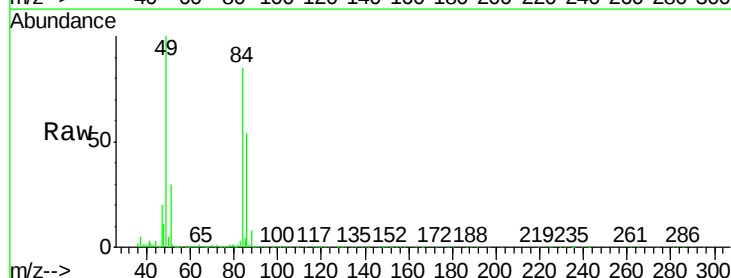
Manual Integrations
APPROVED

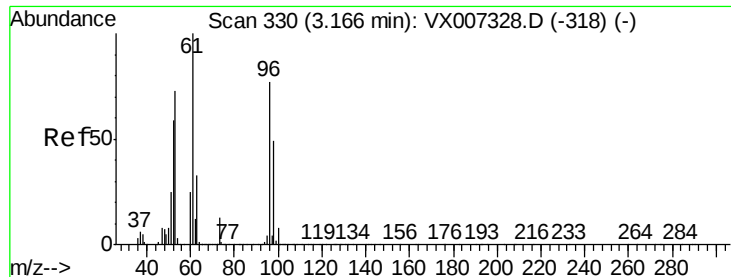
MMDadoda
2/19/2019 11:01:12 AM



#20
Methylene Chloride
Concen: 18.087 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.1	94.8	142.2
51	35.7	29.8	44.8
86	63.5	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 16.415 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

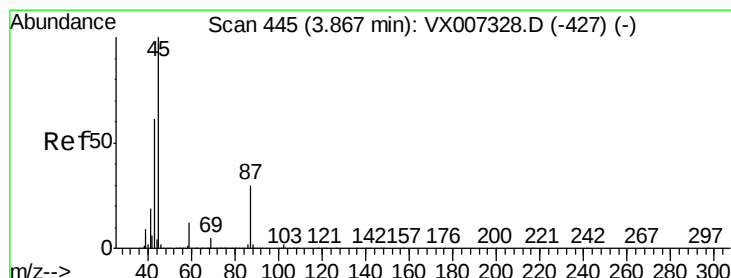
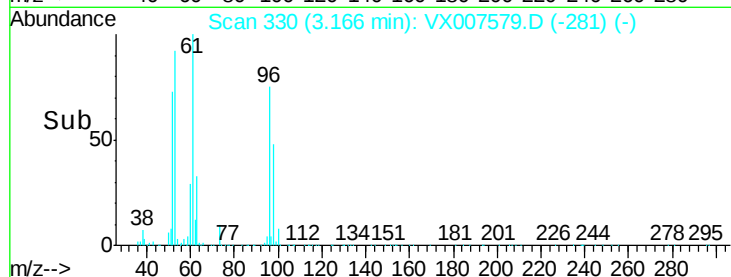
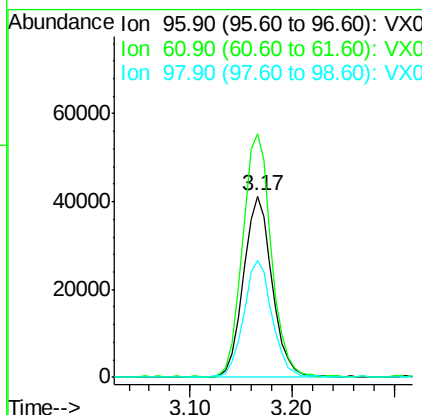
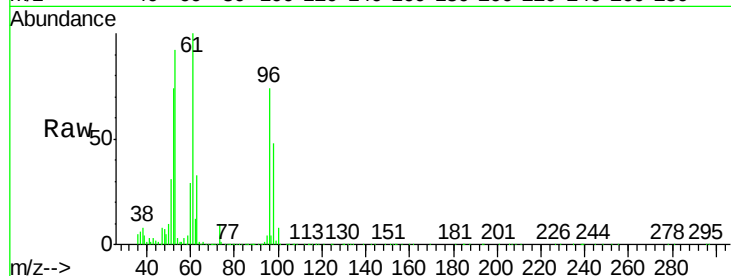
ClientSampleId :

VX0218WBS01

Tot Ion:	96	Resp:	80533
Ion Ratio	Lower	Upper	
96	100		
61	134.1	104.6	156.8
98	64.4	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#22

Diisopropyl ether

Concen: 18.723 ug/l

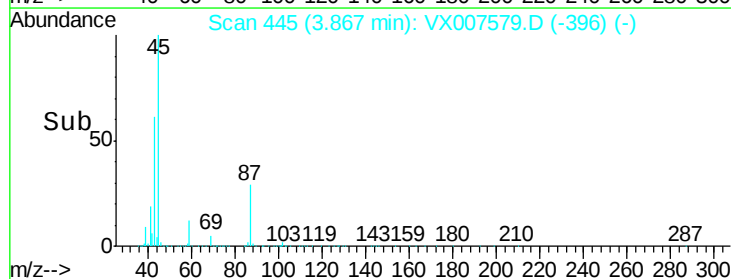
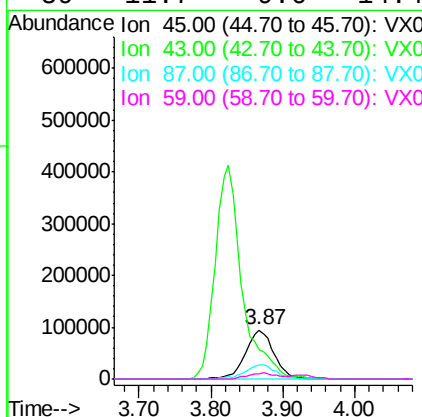
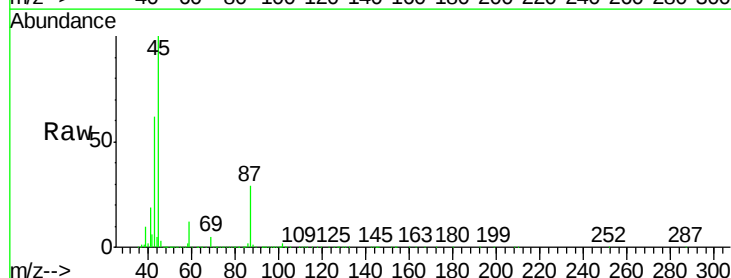
RT: 3.87 min Scan# 445

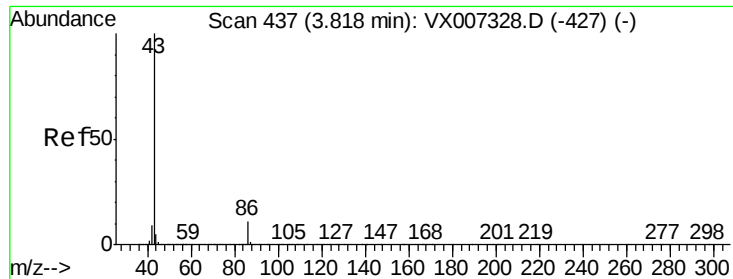
Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Tgt Ion:	45	Resp:	258443
Ion Ratio	Lower	Upper	
45	100		
43	61.0	48.9	73.3
87	29.2	23.9	35.9
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 93.730 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 43 Resp: 1073637

Ion Ratio Lower Upper

43 100

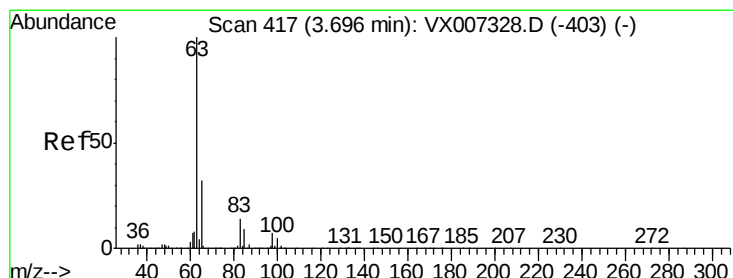
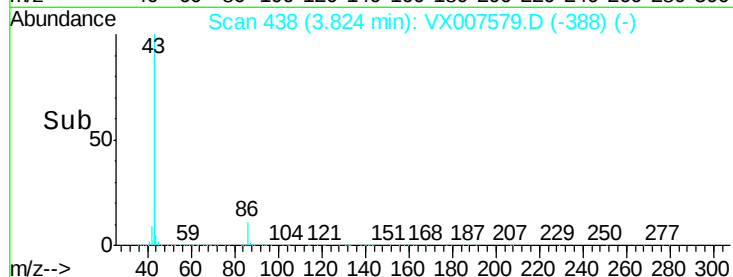
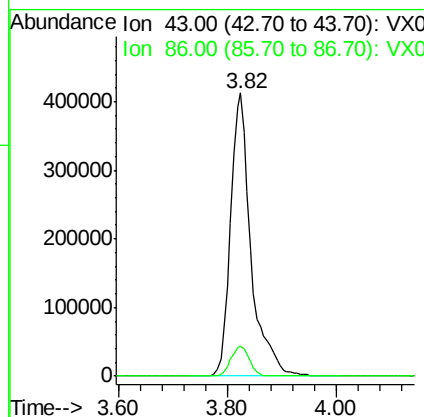
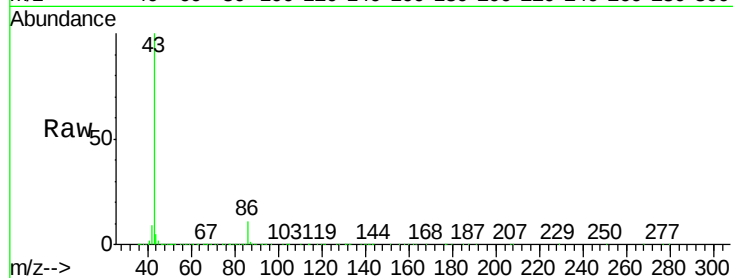
86 10.7 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

2/19/2019 11:01:12 AM



#24

1,1-Dichloroethane

Concen: 19.000 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

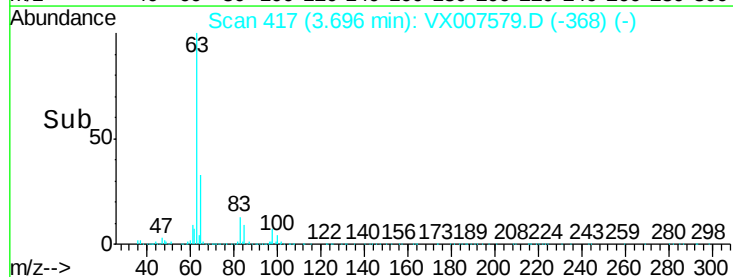
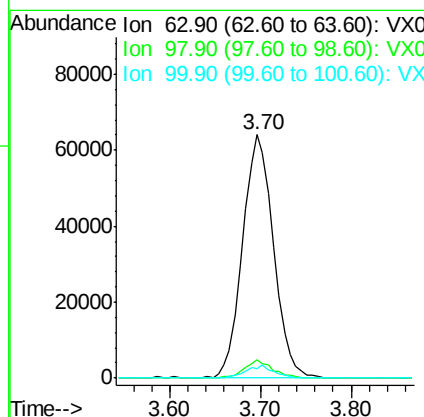
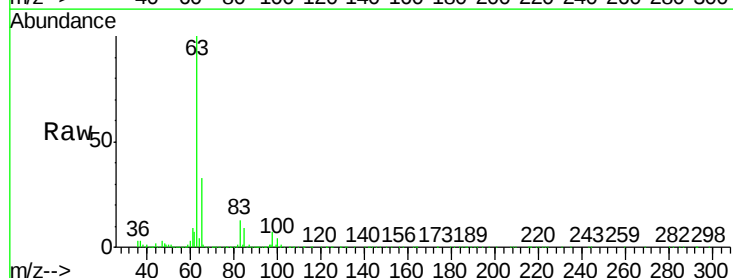
Tgt Ion: 63 Resp: 150612

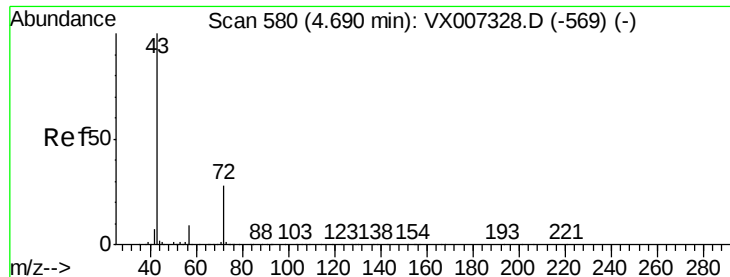
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.0 2.5 7.4





#25

2-Butanone

Concen: 100.003 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 43 Resp: 333775

Ion Ratio Lower Upper

43 100

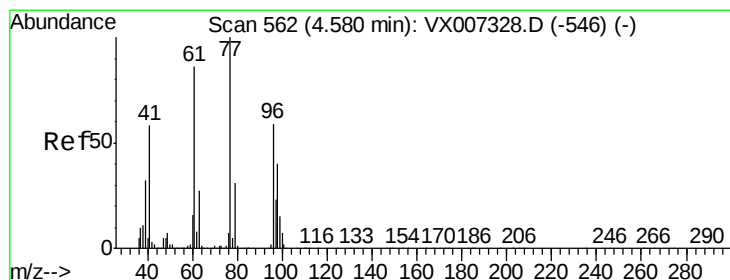
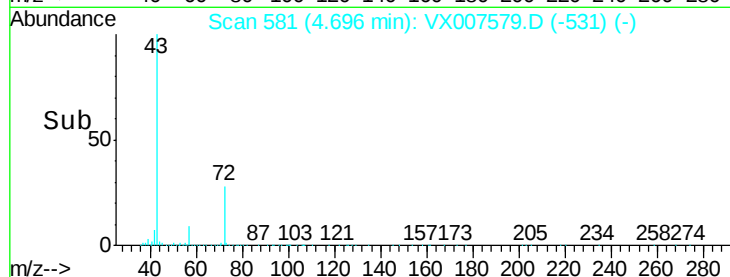
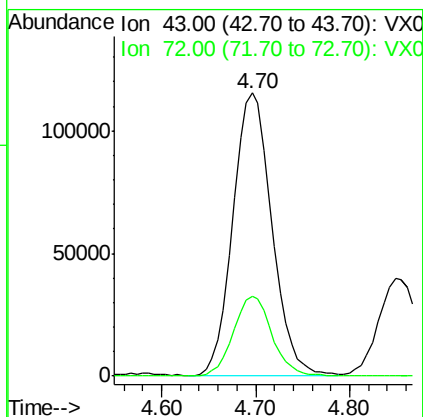
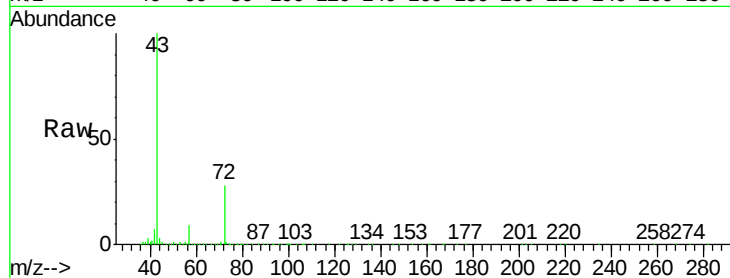
72 28.0 22.2 33.2

Manual Integrations

APPROVED

MMDadoda

2/19/2019 11:01:12 AM



#26

2,2-Dichloropropane

Concen: 18.967 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX007579.D

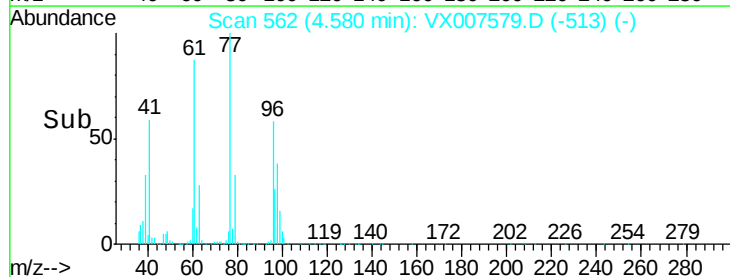
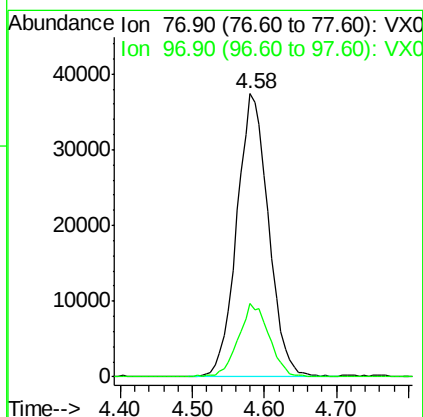
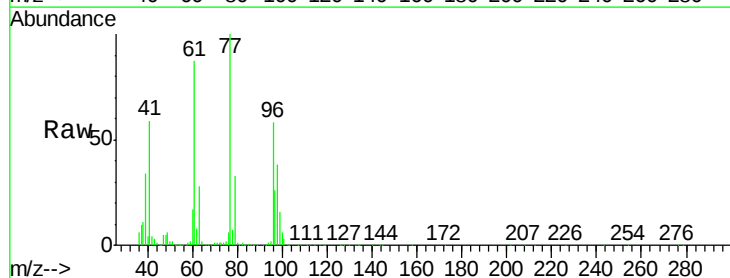
Acq: 18 Feb 2019 11:05

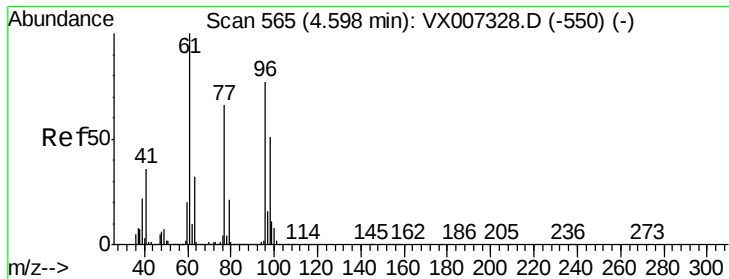
Tgt Ion: 77 Resp: 114503

Ion Ratio Lower Upper

77 100

97 25.1 12.1 36.3





#27

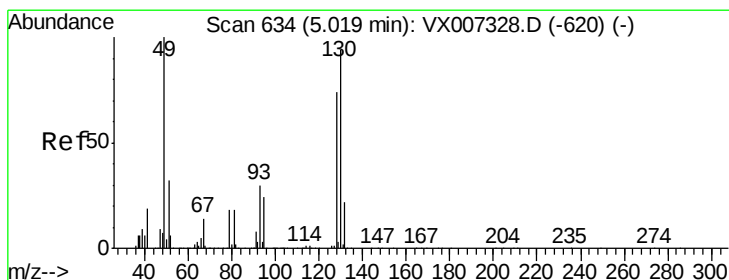
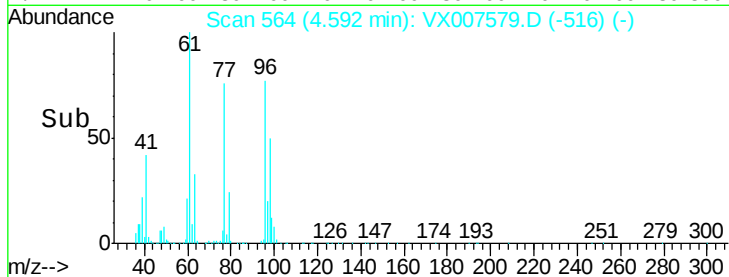
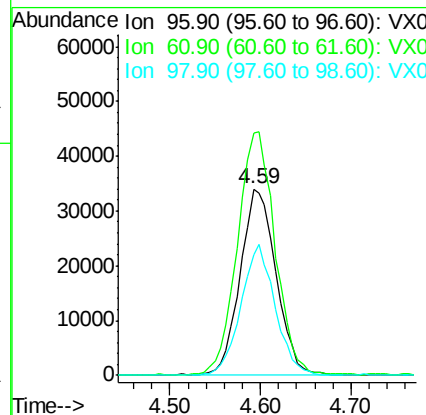
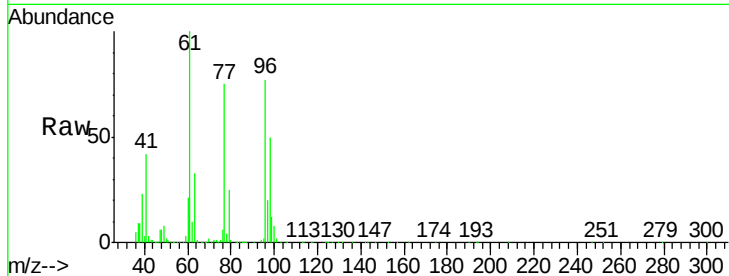
cis-1,2-Dichloroethene
Concen: 17.423 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.8	0.0	265.6
98	67.1	0.0	131.6

Manual Integrations
APPROVED

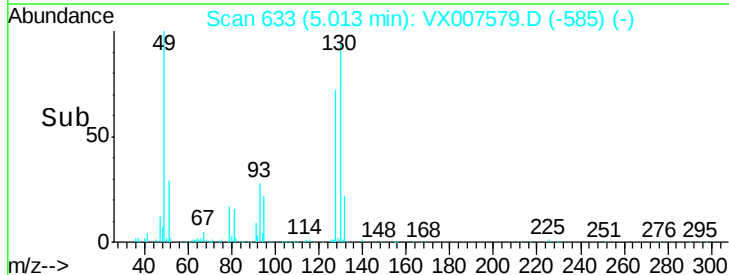
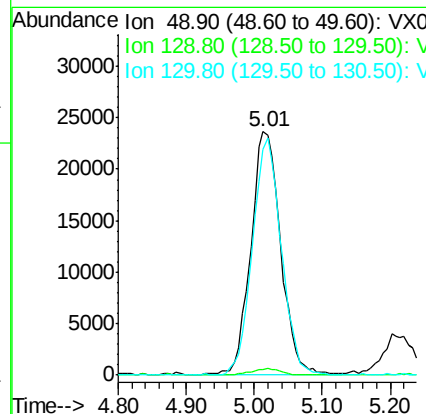
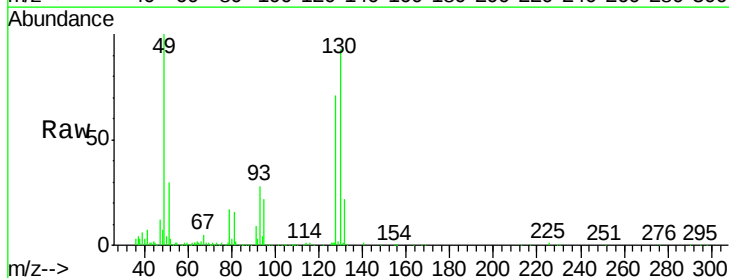
MMDadoda
2/19/2019 11:01:12 AM

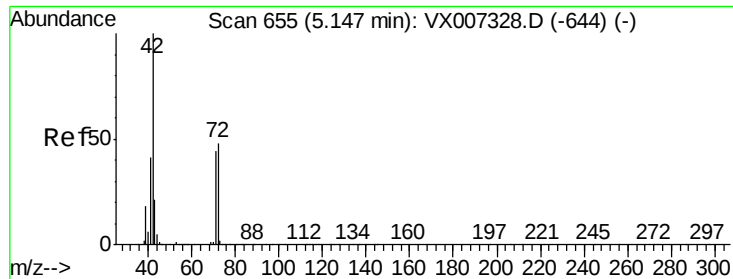


#28

Bromochloromethane
Concen: 19.945 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.6
130	93.7	75.6	113.4





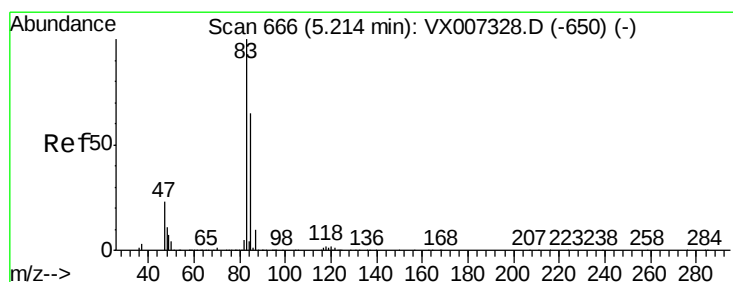
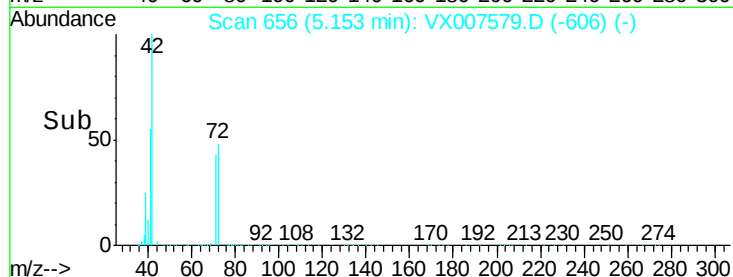
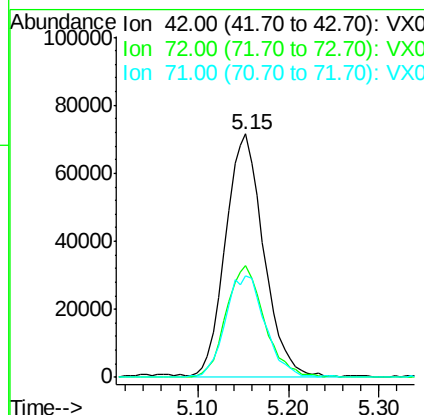
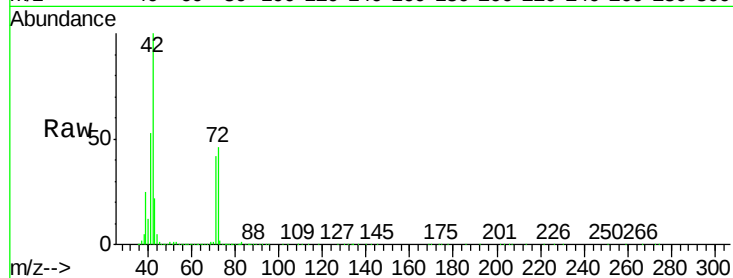
#29
Tetrahydrofuran
Concen: 98.698 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.6	56.4
71	43.9	34.6	51.8

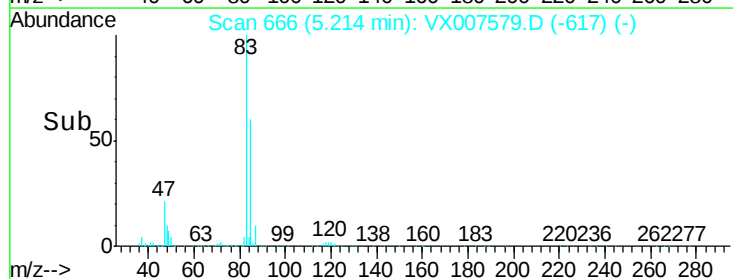
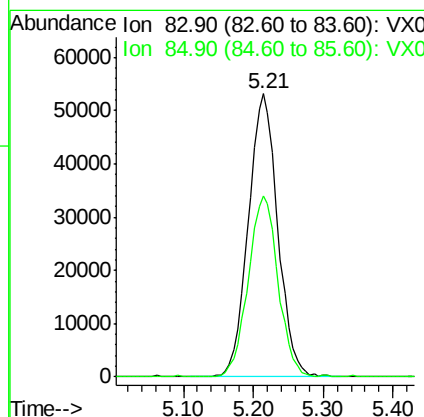
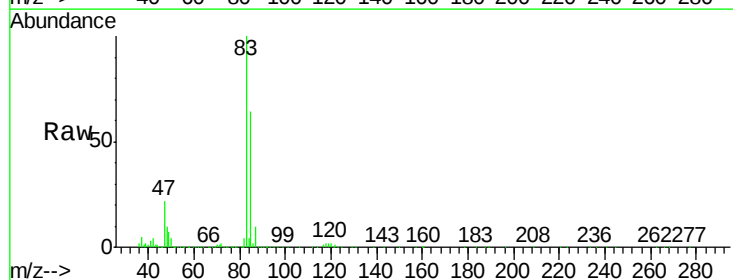
Manual Integrations
APPROVED

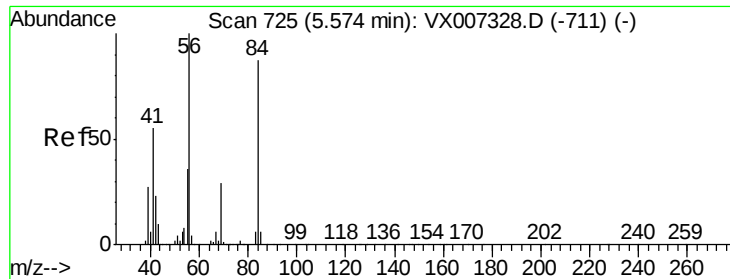
MMDadoda
2/19/2019 11:01:12 AM



#30
Chloroform
Concen: 18.740 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.6	77.4





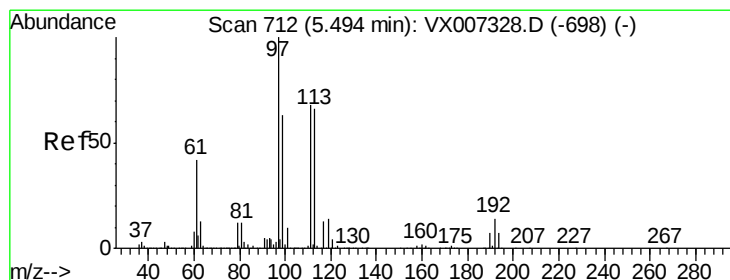
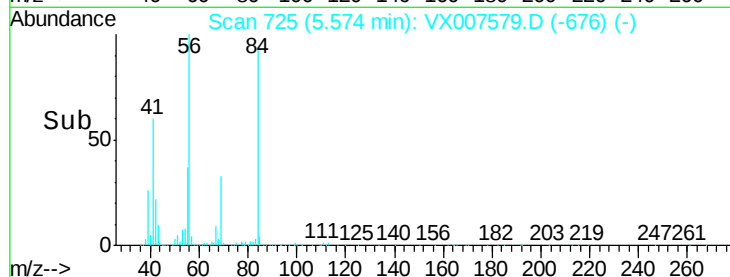
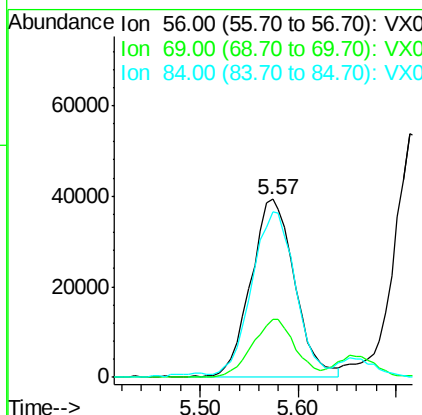
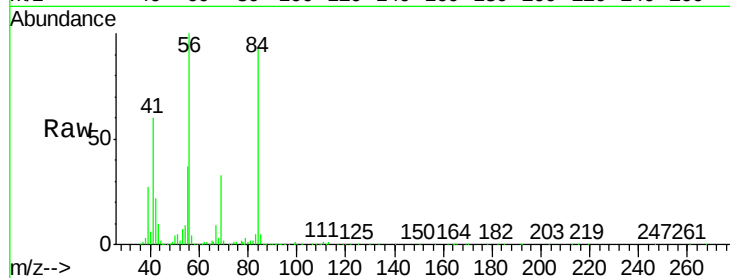
#31
Cyclohexane
Concen: 17.242 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	23.0	34.6
84	91.1	69.8	104.6

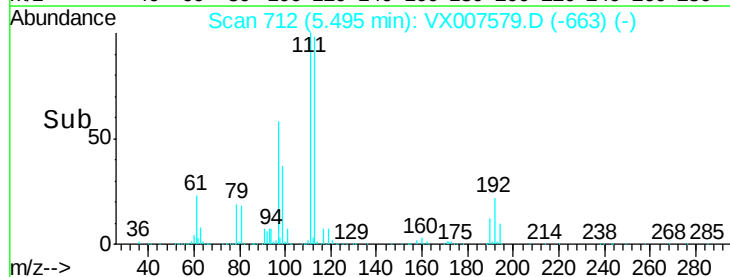
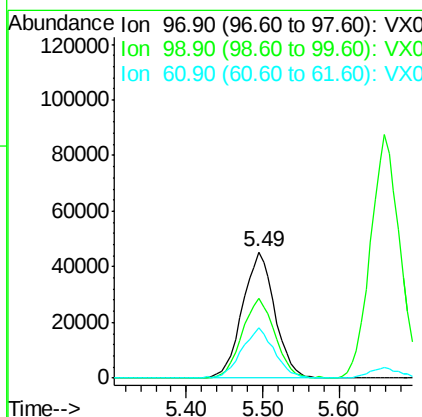
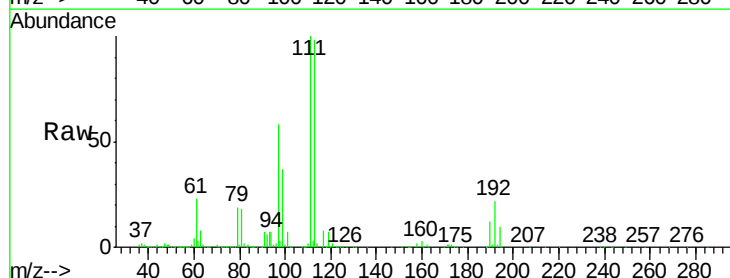
Manual Integrations
APPROVED

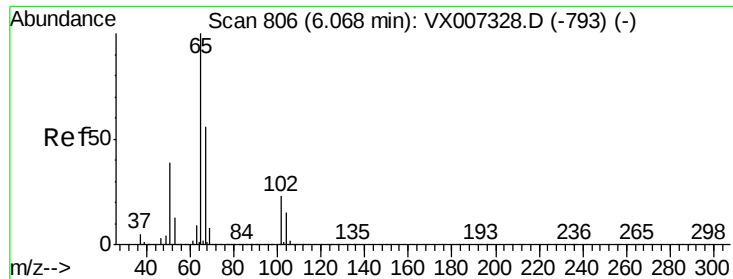
MMDadoda
2/19/2019 11:01:12 AM



#32
1,1,1-Trichloroethane
Concen: 19.014 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.2	78.2
61	39.9	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 48.377 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 65 Resp: 247685

Ion Ratio Lower Upper

65 100

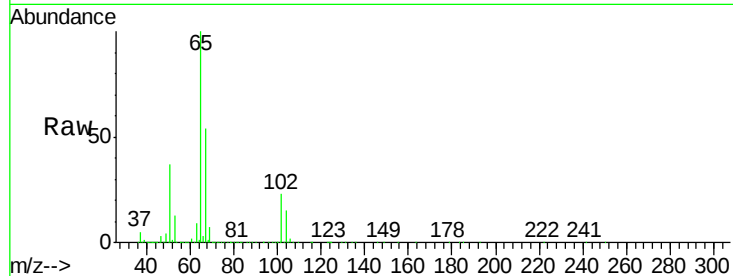
67 53.0 0.0 108.8

Manual Integrations

APPROVED

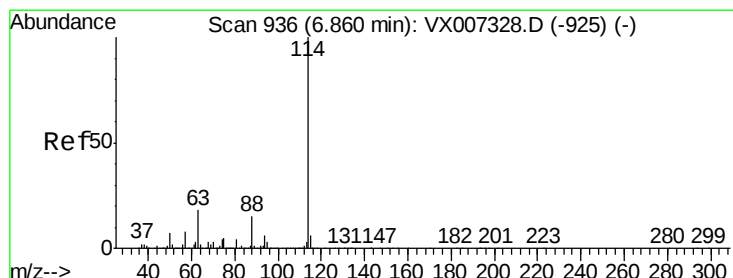
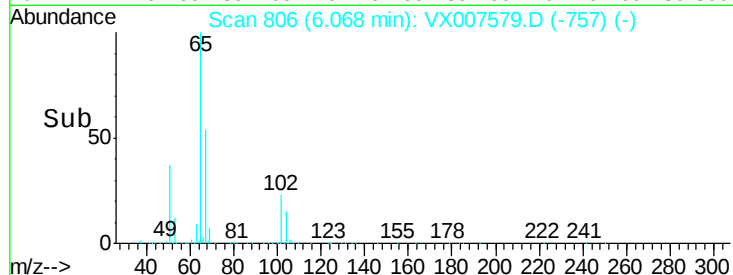
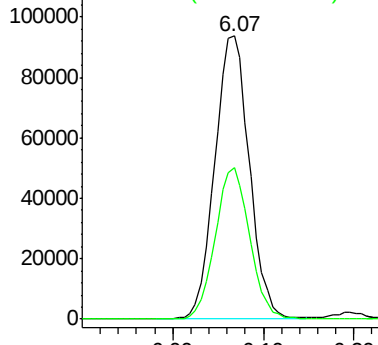
MMDadoda

2/19/2019 11:01:12 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

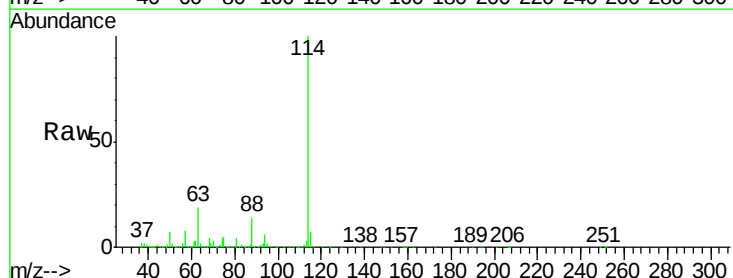
Tgt Ion: 114 Resp: 693780

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.6

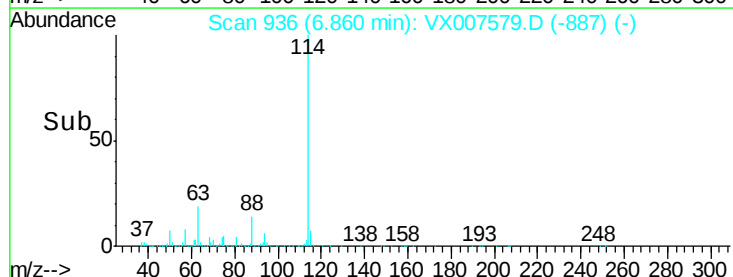
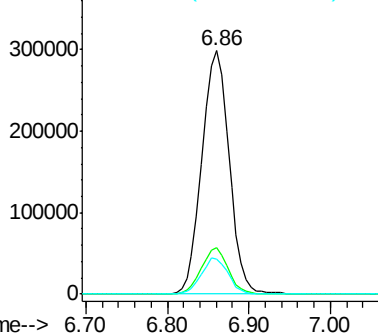
88 14.2 0.0 29.6

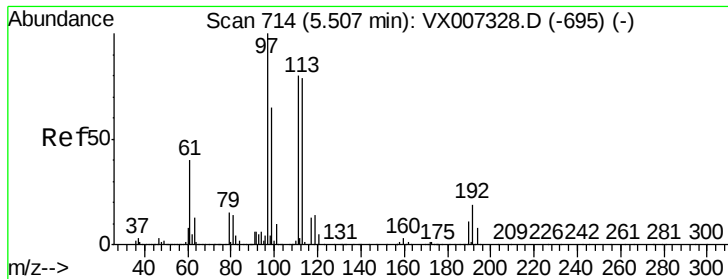


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.062 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

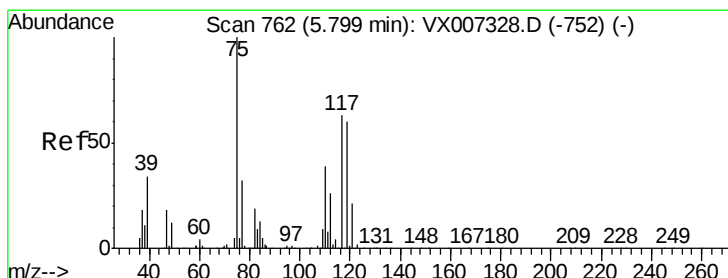
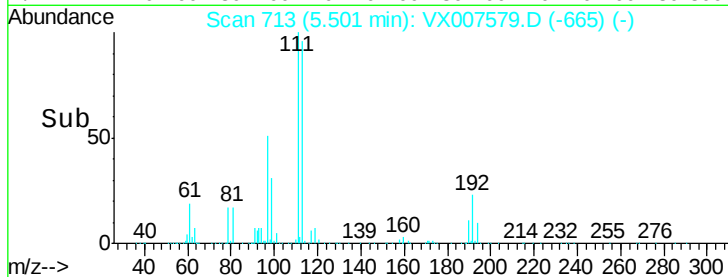
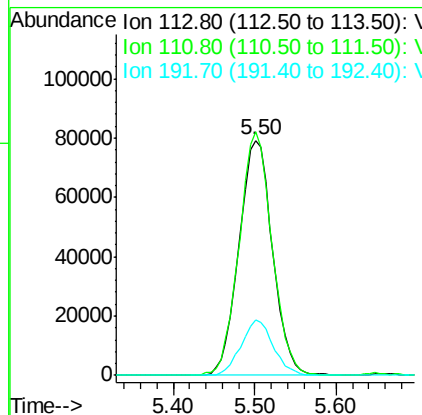
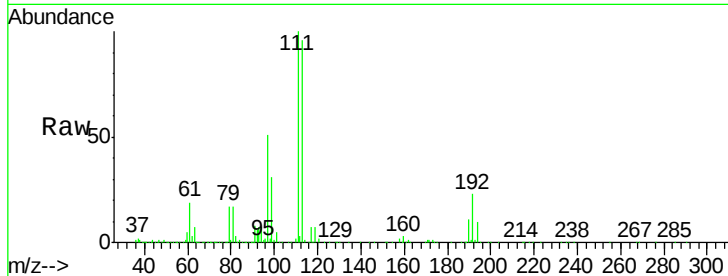
ClientSampleId :

VX0218WBS01

Tot Ion:	113	Resp:	225991
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.8	122.8
192	22.9	18.5	27.7

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#36

1,1-Dichloropropene

Concen: 17.100 ug/l

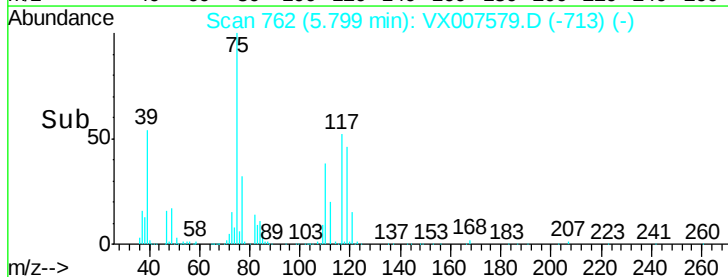
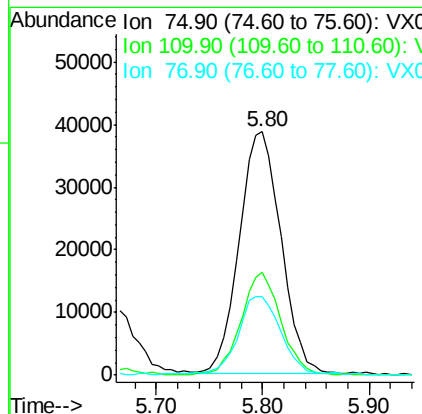
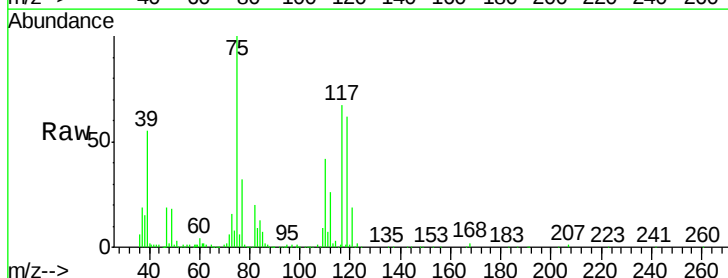
RT: 5.80 min Scan# 762

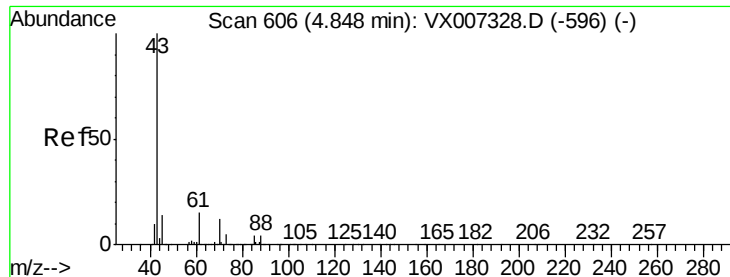
Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Tgt Ion:	75	Resp:	106444
Ion Ratio	Lower	Upper	
75	100		
110	40.8	20.0	59.9
77	31.6	24.7	37.1





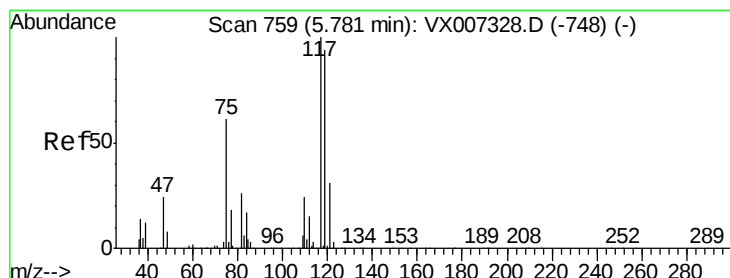
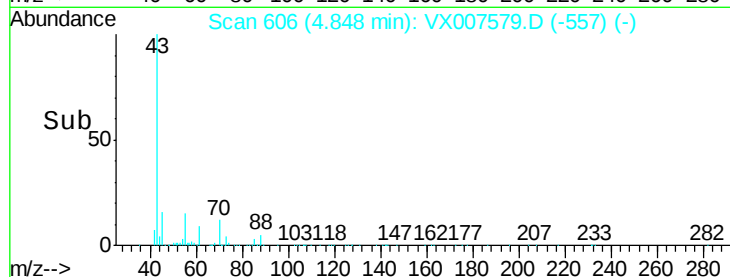
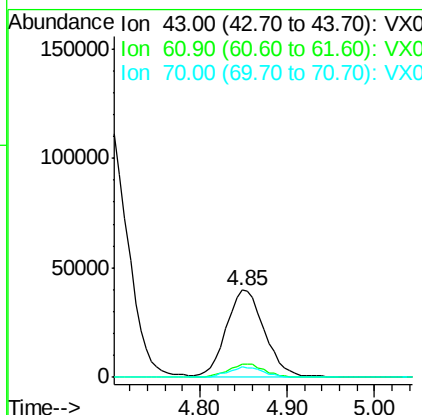
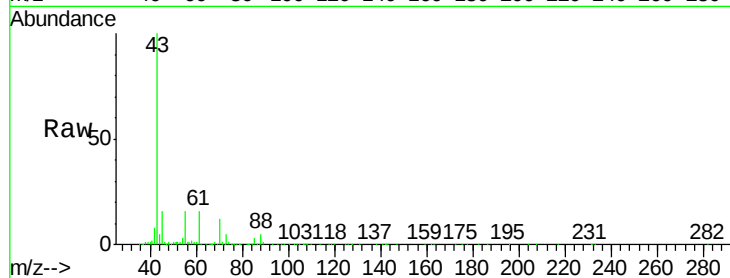
#37
Ethyl Acetate
Concen: 18.889 ug/l
RT: 4.85 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	43	Resp	118857
Ion Ratio	Lower	Upper	
43	100		
61	14.5	11.3	16.9
70	10.5	8.6	13.0

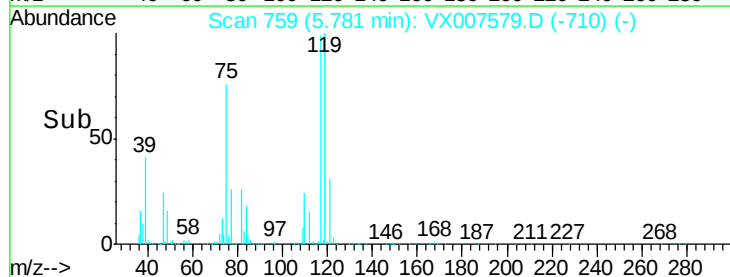
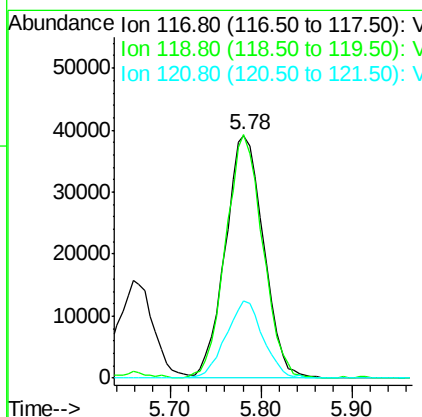
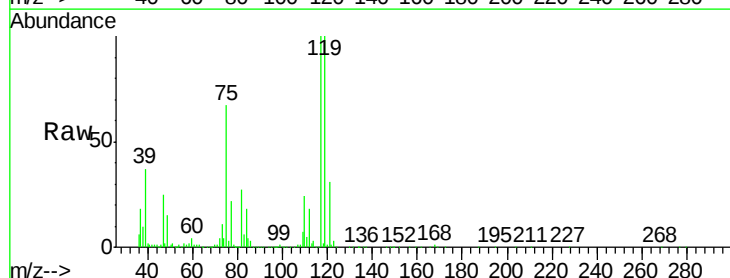
Manual Integrations
APPROVED

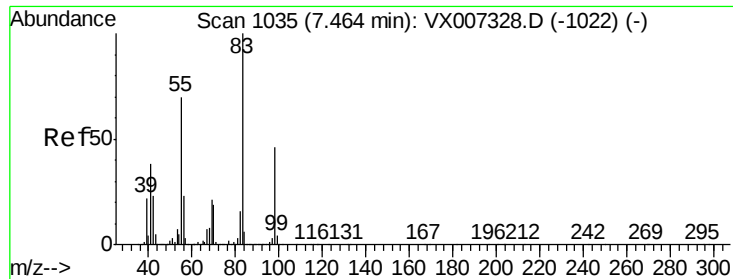
MMDadoda
2/19/2019 11:01:12 AM



#38
Carbon Tetrachloride
Concen: 19.047 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	117	Resp	115026
Ion Ratio	Lower	Upper	
117	100		
119	100.1	75.3	112.9
121	31.6	25.0	37.4





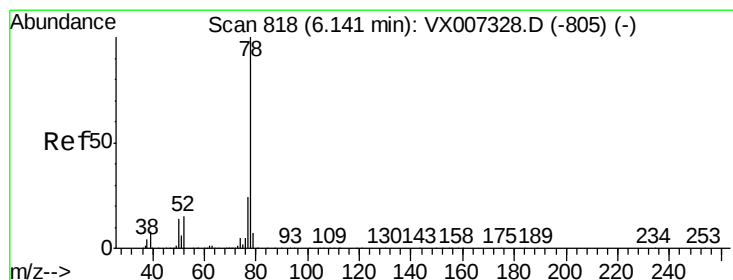
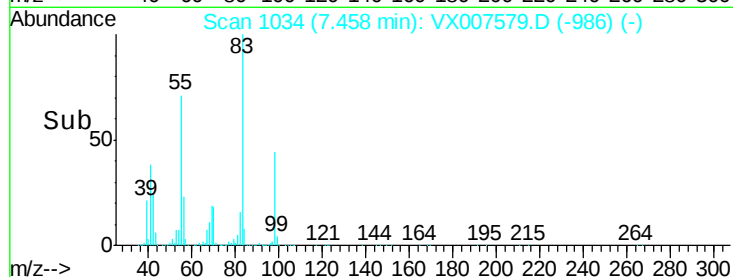
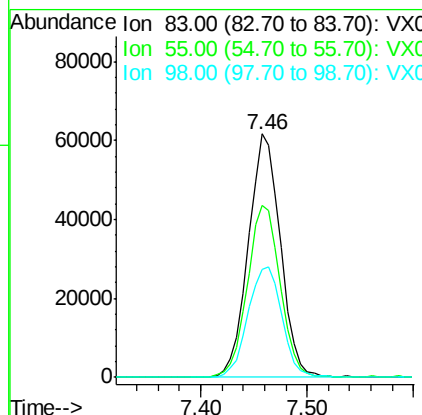
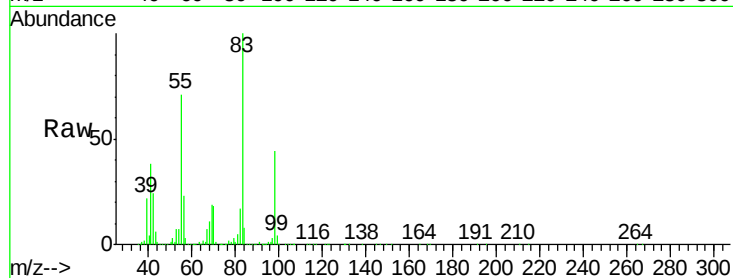
#39
Methvlcvclohexane
Concen: 17.292 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	56.2	84.2
98	44.4	36.8	55.2

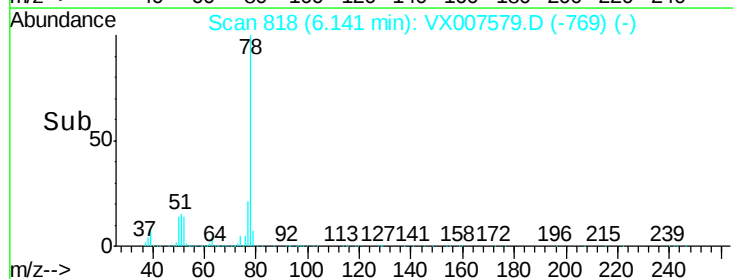
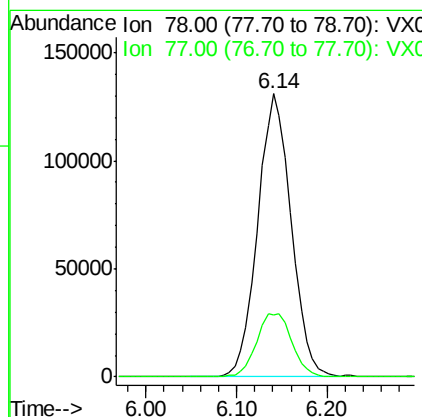
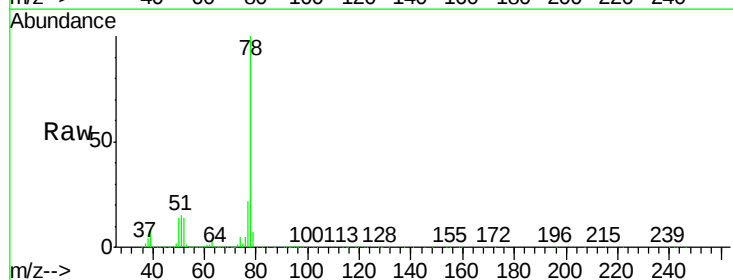
Manual Integrations
APPROVED

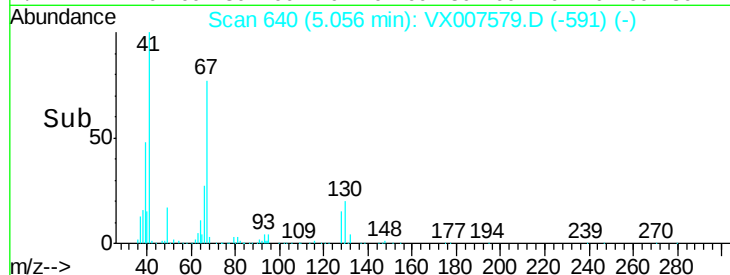
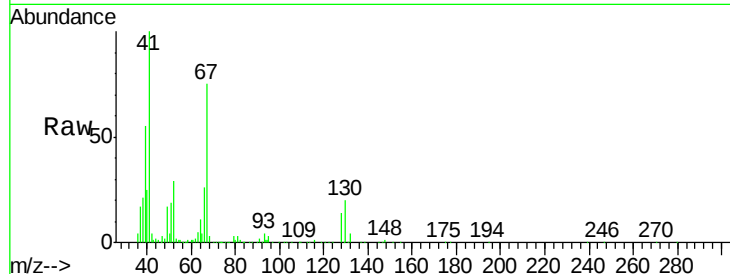
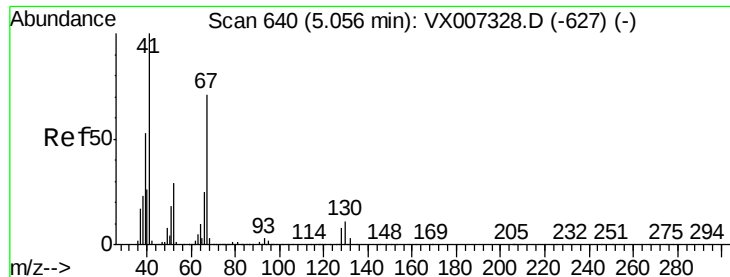
MMDadoda
2/19/2019 11:01:12 AM



#40
Benzene
Concen: 18.208 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

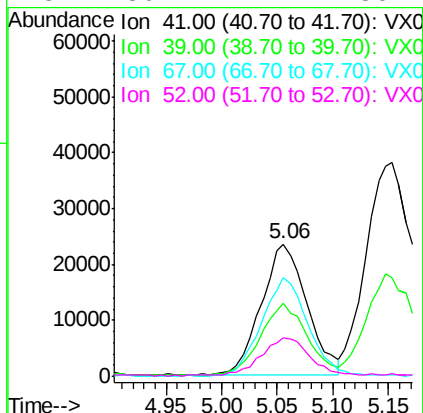
Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.8	19.3	28.9





#41
Methacrylonitrile
Concen: 19.951 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

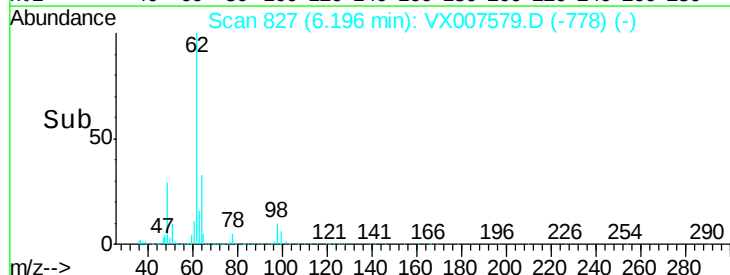
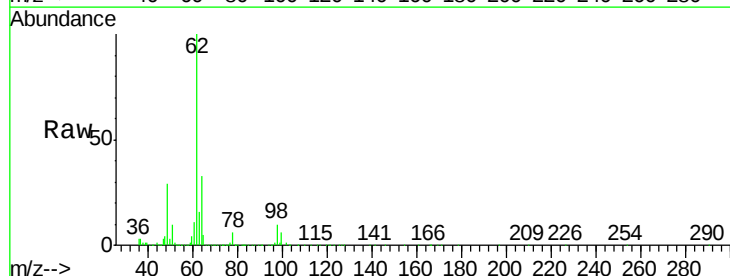
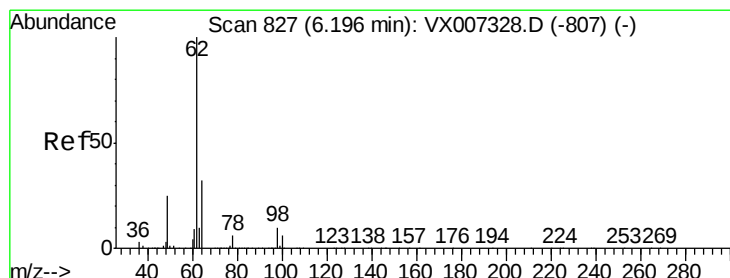
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		67286		
39	56.1	44.5	66.7		
67	75.8	60.4	90.6		
52	30.4	24.1	36.1		



Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

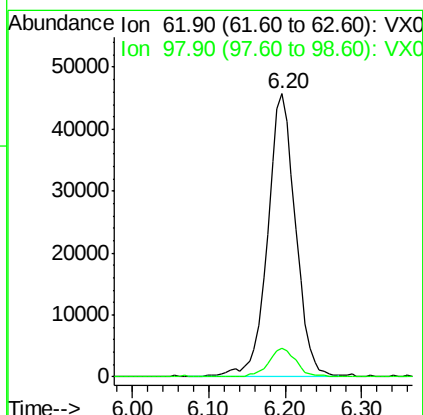
Manual Integrations
APPROVED

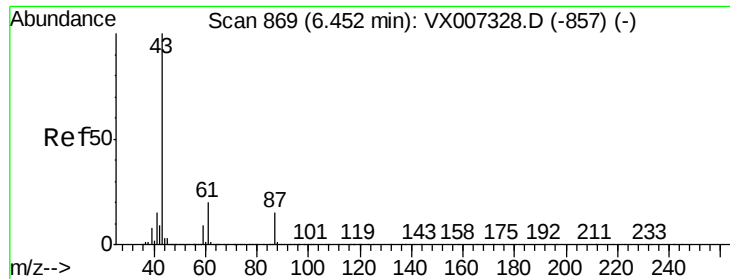
MMDadoda
2/19/2019 11:01:12 AM



#42
1,2-Dichloroethane
Concen: 18.190 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		115406		
98	10.2	0.0	19.0		





#43

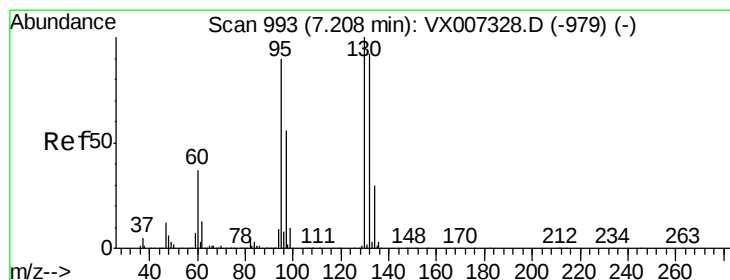
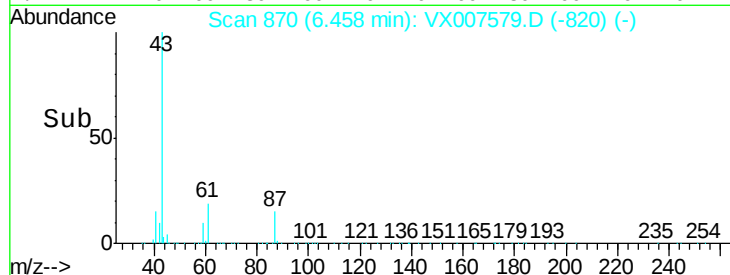
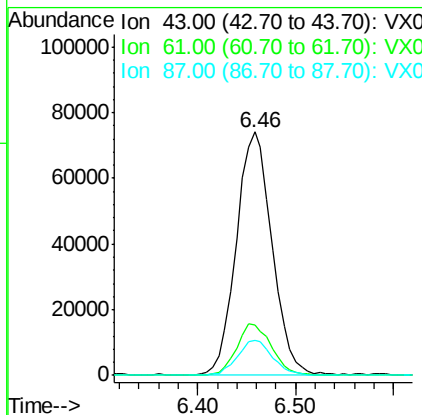
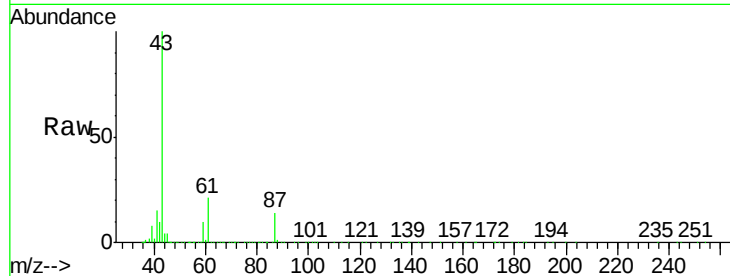
Isopropyl Acetate
 Concen: 19.209 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007579.D
 Acq: 18 Feb 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0218WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.1	24.1
87	14.6	11.5	17.3

Manual Integrations
 APPROVED

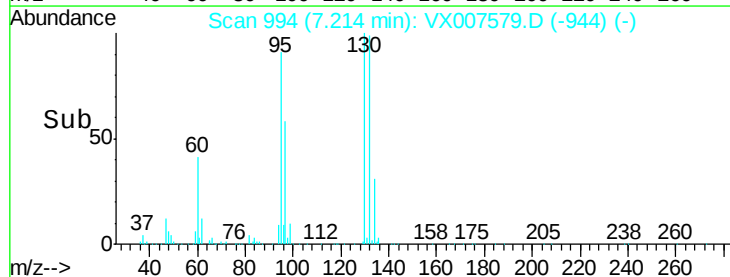
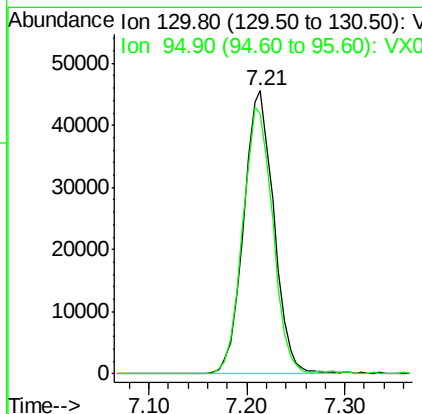
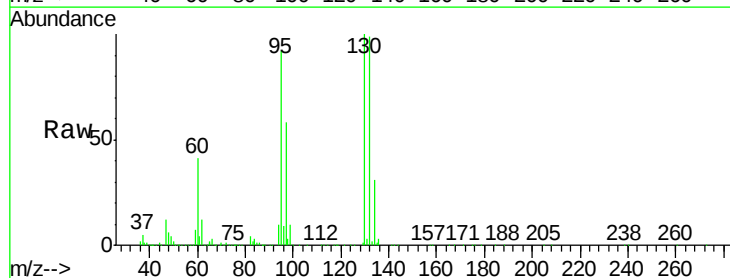
MMDadoda
 2/19/2019 11:01:12 AM

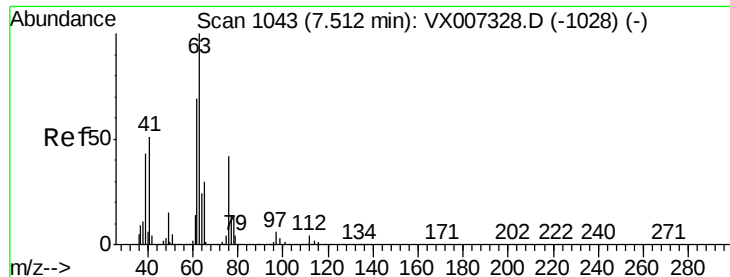


#44

Trichloroethene
 Concen: 17.636 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007579.D
 Acq: 18 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	180.0





#45

1,2-Dichloropropane

Concen: 18.949 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 63 Resp: 87059

Ion Ratio Lower Upper

63 100

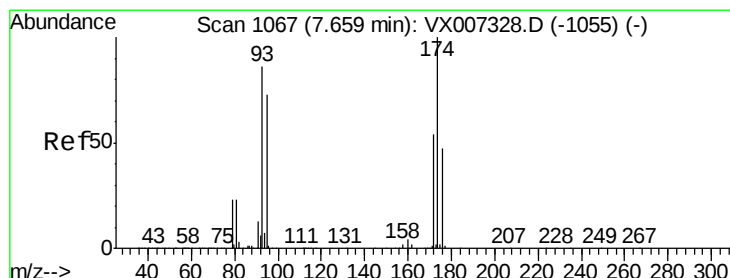
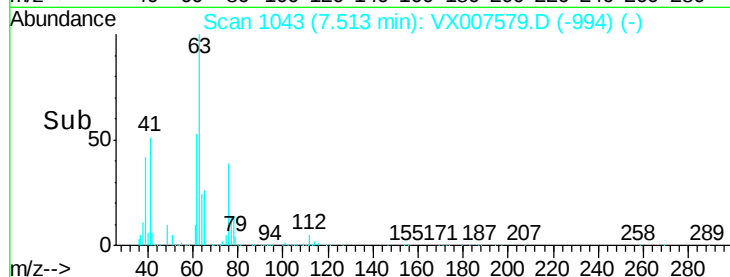
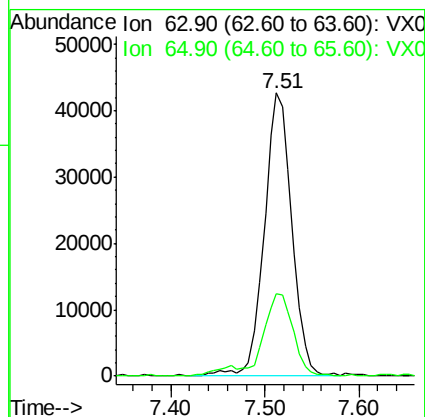
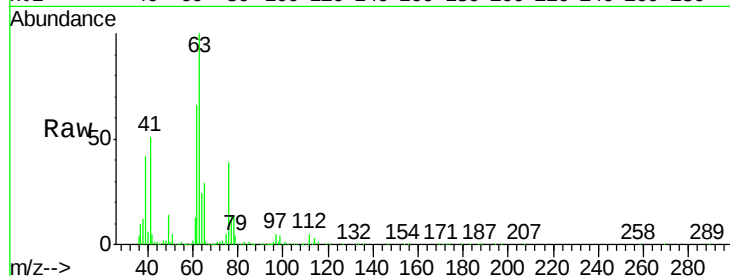
65 29.0 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

2/19/2019 11:01:12 AM



#46

Dibromomethane

Concen: 18.159 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

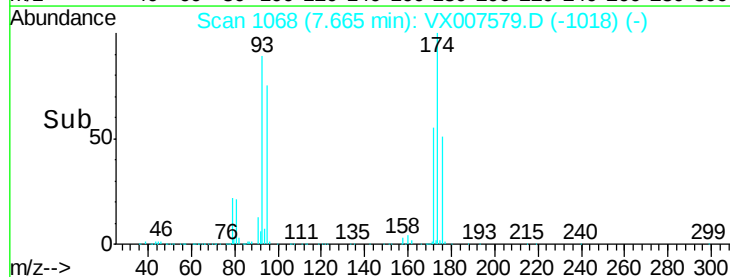
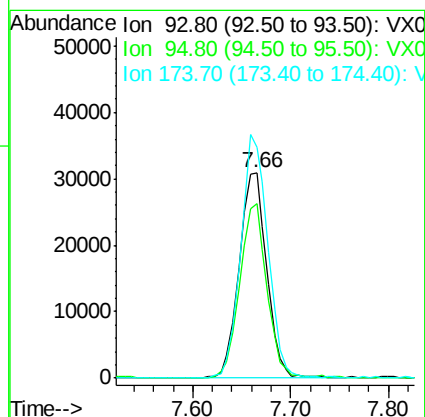
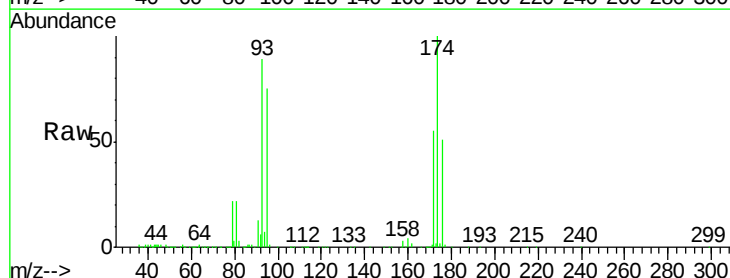
Tgt Ion: 93 Resp: 60637

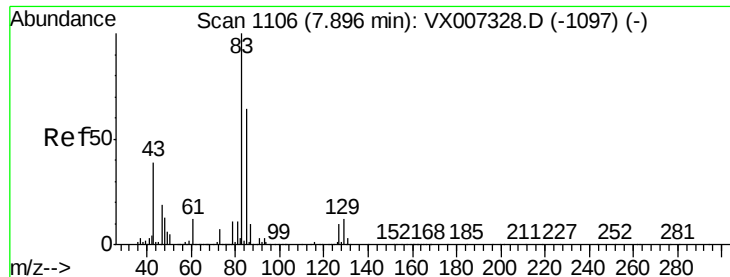
Ion Ratio Lower Upper

93 100

95 82.5 67.6 101.4

174 115.7 94.2 141.4





#47

Bromodichloromethane

Concen: 19.280 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

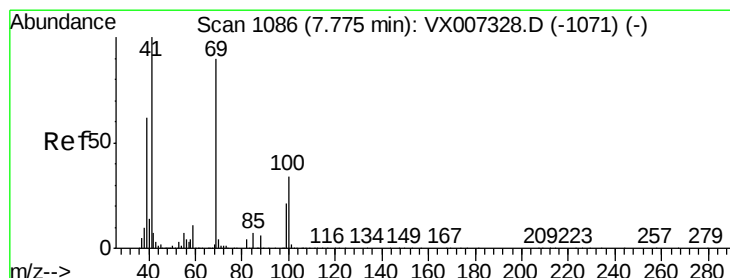
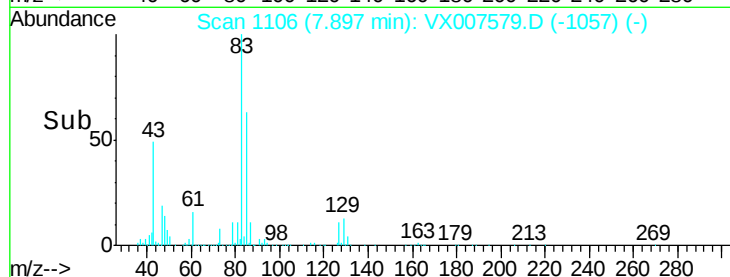
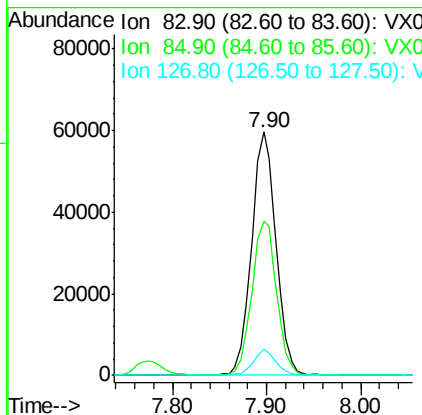
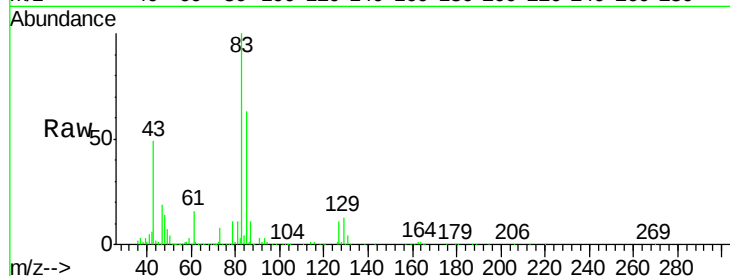
ClientSampleId :

VX0218WBS01

Tot Ion:	83	Resp:	109105
Ion Ratio		Lower	Upper
83	100		
85	63.0	51.4	77.0
127	10.7	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#48

Methyl methacrylate

Concen: 19.448 ug/l

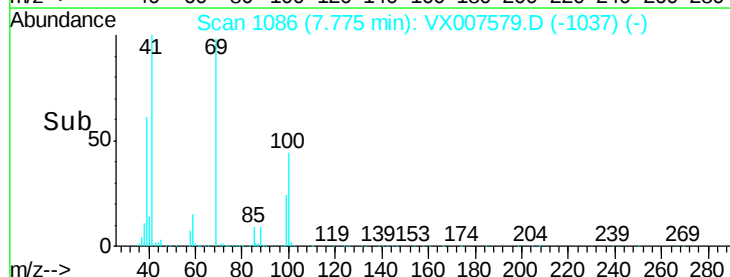
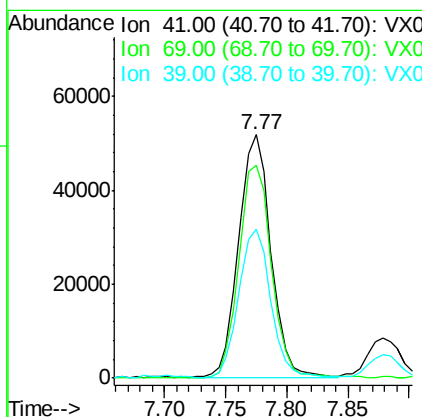
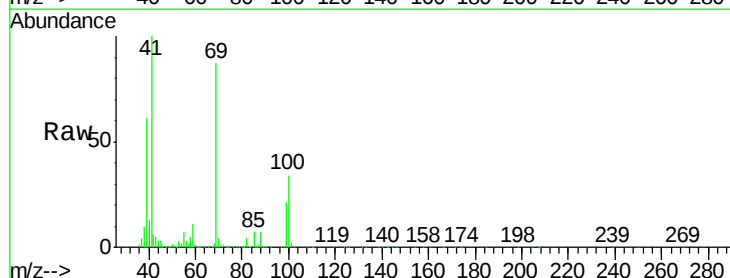
RT: 7.77 min Scan# 1086

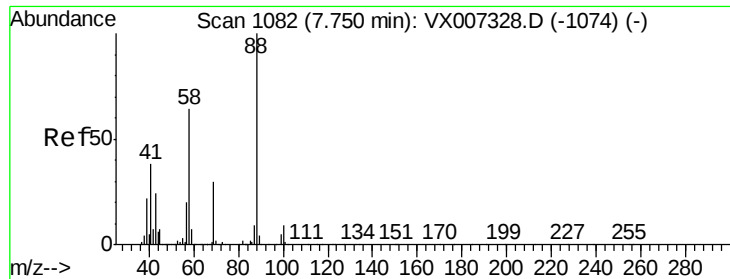
Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Tgt Ion:	41	Resp:	94485
Ion Ratio		Lower	Upper
41	100		
69	89.3	70.2	105.4
39	60.1	47.4	71.0





#49

1,4-Dioxane

Concen: 390.526 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

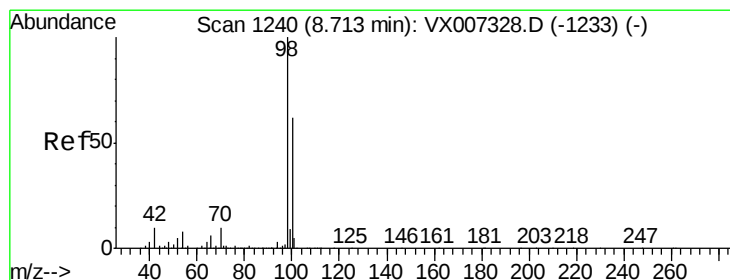
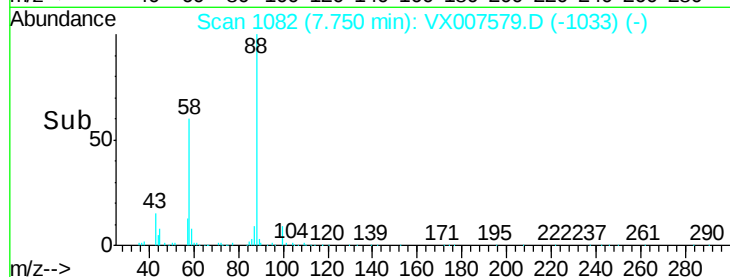
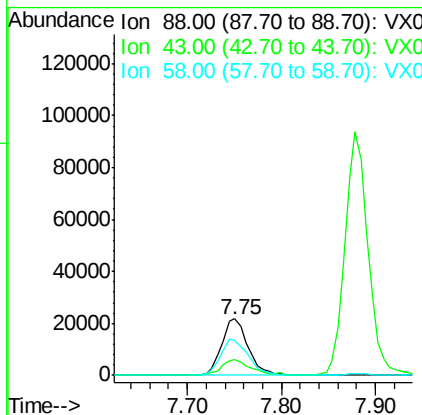
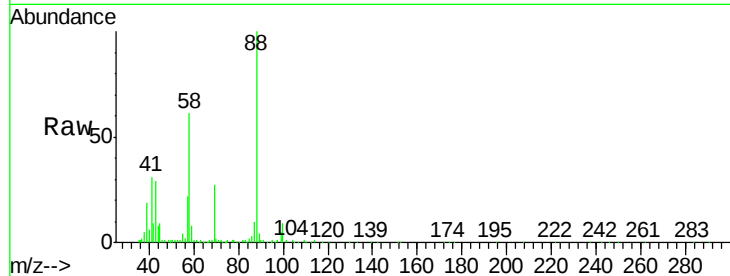
ClientSampleId :

VX0218WBS01

Tot Ion:	88	Resp:	42681
Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.2	36.4
58	68.2	53.0	79.4

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#50

Toluene-d8

Concen: 48.238 ug/l

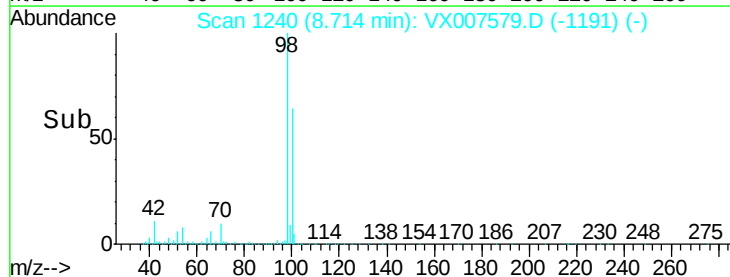
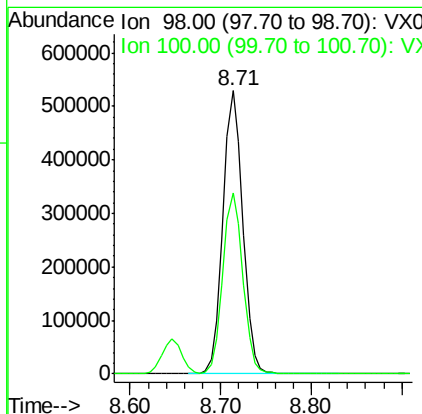
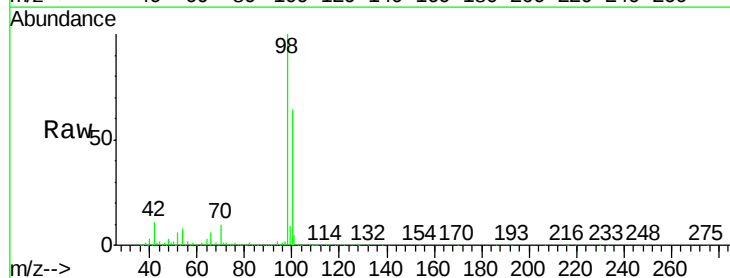
RT: 8.71 min Scan# 1240

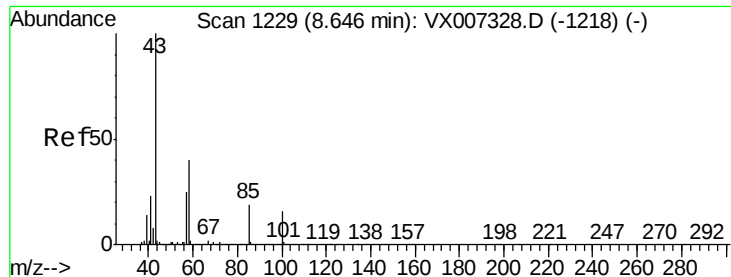
Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Tgt Ion:	98	Resp:	807907
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 98.300 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 43 Resp: 628522

Ion Ratio Lower Upper

43 100

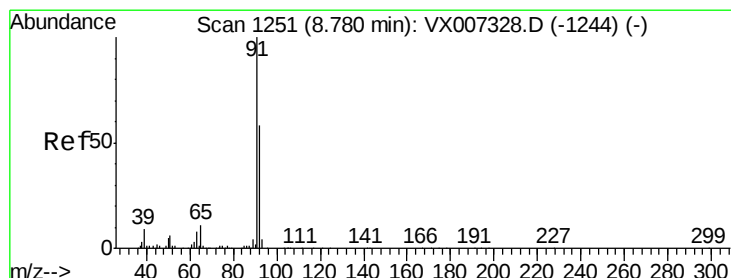
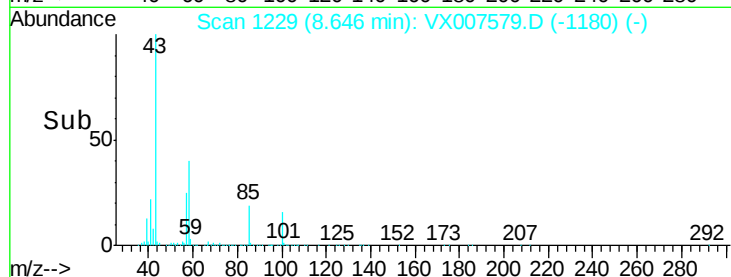
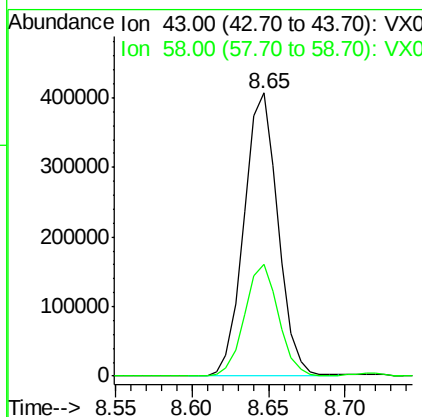
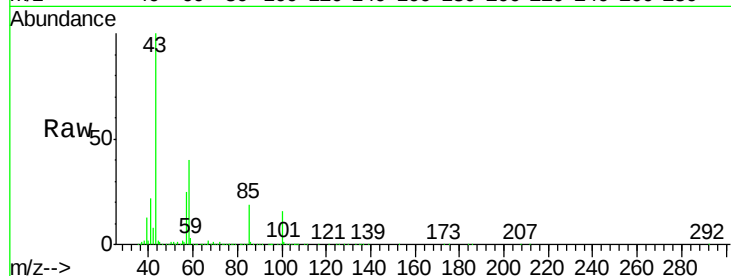
58 39.2 31.2 46.8

Manual Integrations

APPROVED

MMDadoda

2/19/2019 11:01:12 AM



#52

Toluene

Concen: 17.815 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007579.D

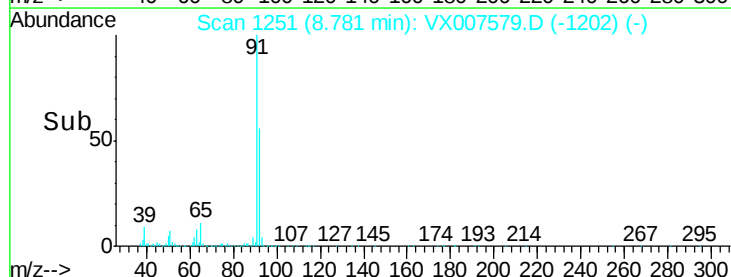
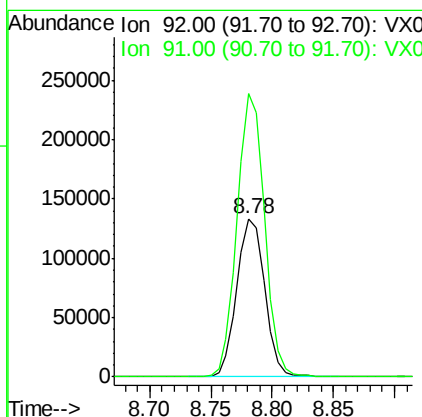
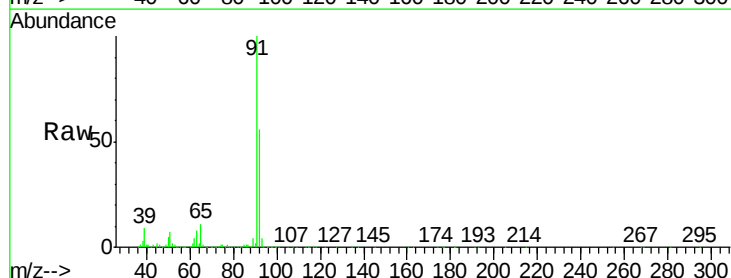
Acq: 18 Feb 2019 11:05

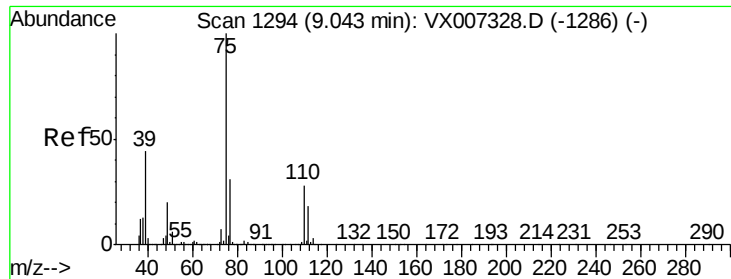
Tgt Ion: 92 Resp: 210762

Ion Ratio Lower Upper

92 100

91 176.6 139.1 208.7





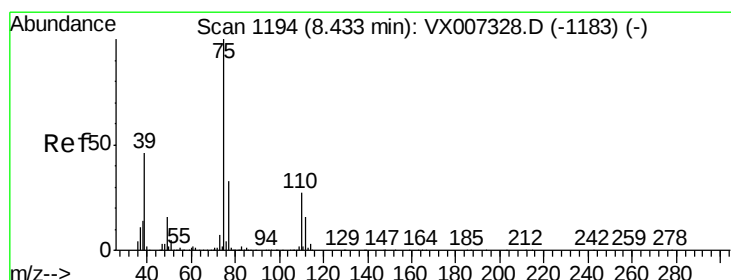
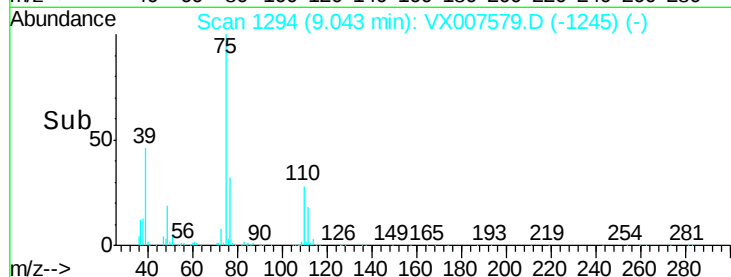
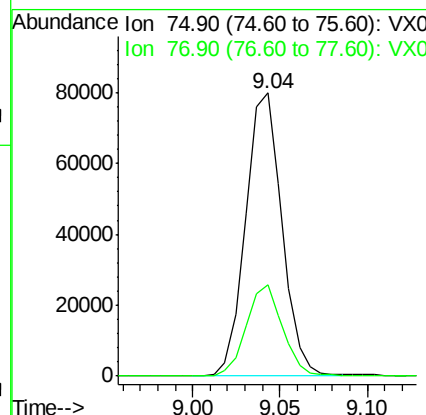
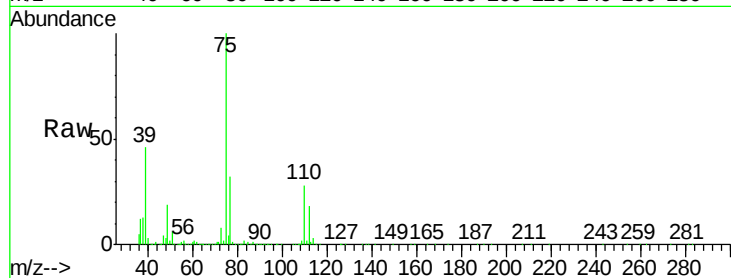
#53
t-1,3-Dichloropropene
Concen: 18.966 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.2	37.8

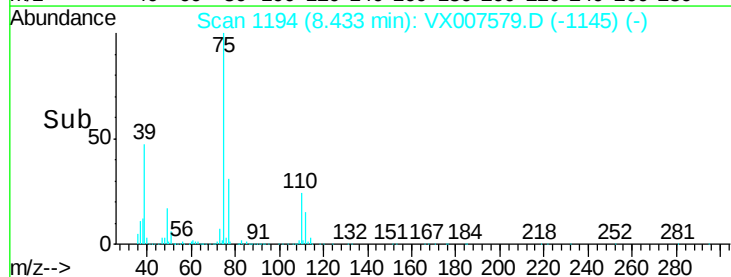
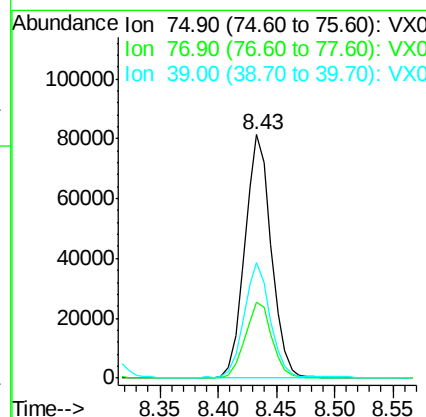
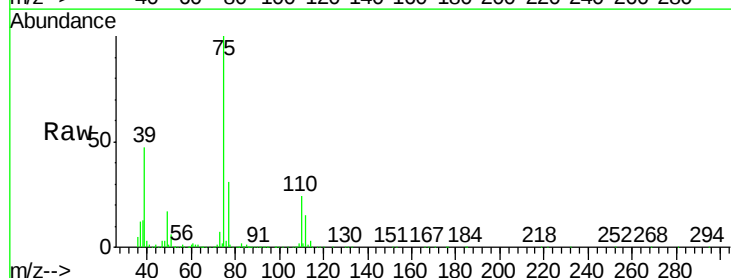
Manual Integrations
APPROVED

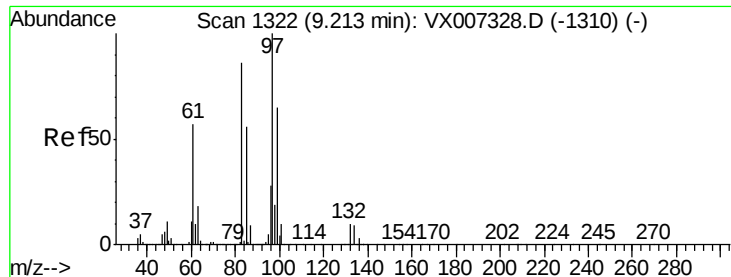
MMDadoda
2/19/2019 11:01:12 AM



#54
cis-1,3-Dichloropropene
Concen: 19.327 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.4
39	47.1	37.1	55.7





#55

1,1,2-Trichloroethane

Concen: 18.851 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

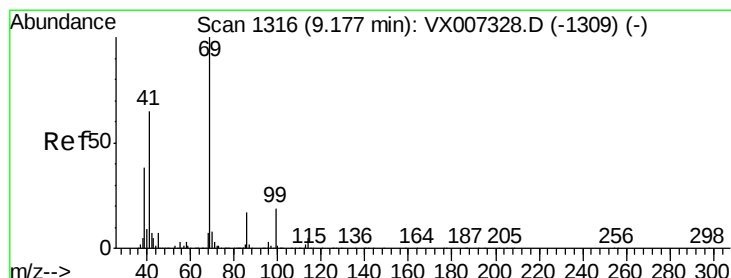
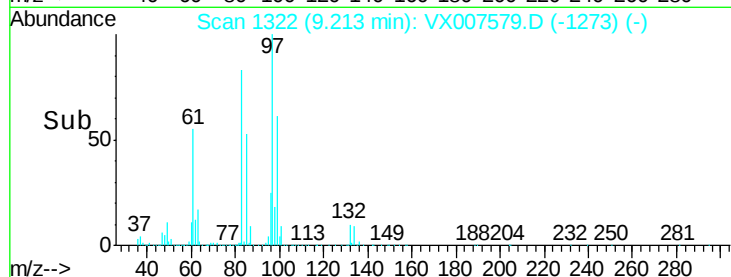
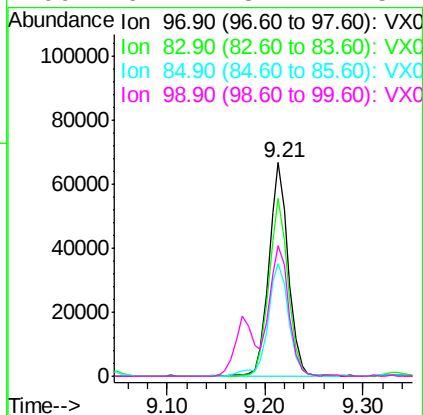
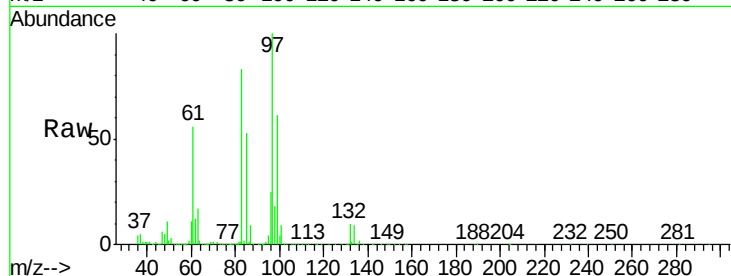
ClientSampleId :

VX0218WBS01

Tot Ion:	97	Resp:	92964
Ion	Ratio	Lower	Upper
97	100		
83	83.1	68.6	102.8
85	53.0	44.5	66.7
99	61.2	52.2	78.4

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#56

Ethyl methacrylate

Concen: 18.725 ug/l

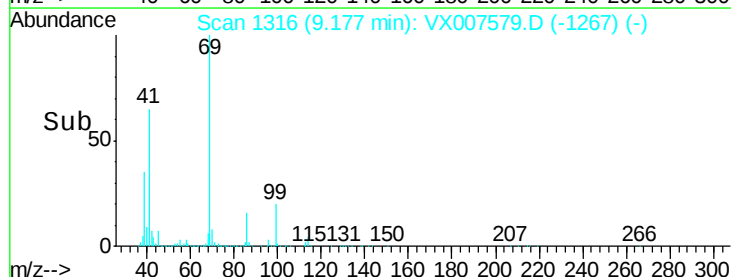
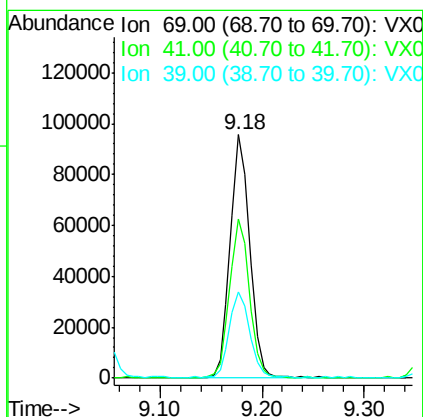
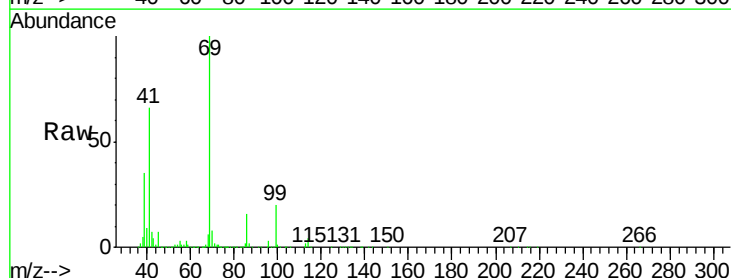
RT: 9.18 min Scan# 1316

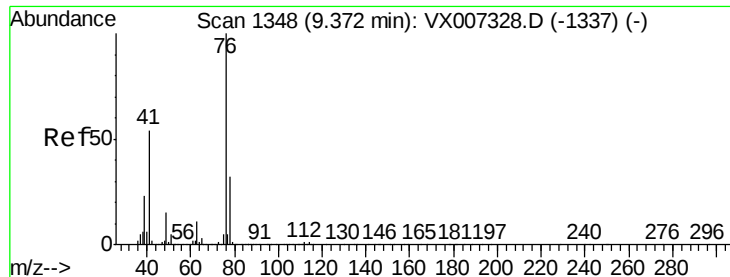
Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Tgt Ion:	69	Resp:	127895
Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.1	78.1
39	36.3	30.1	45.1





#57

1,3-Dichloropropane

Concen: 18.584 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 76 Resp: 145747

Ion Ratio Lower Upper

76 100

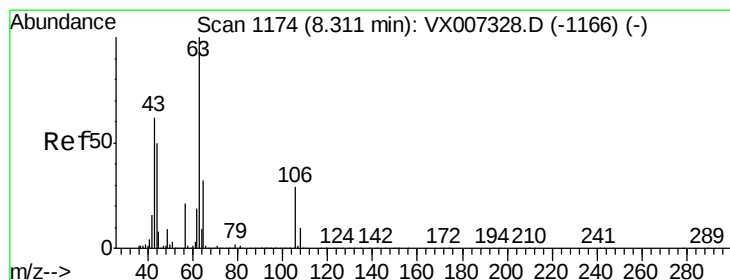
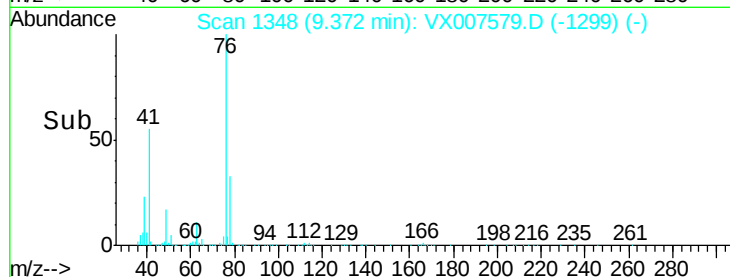
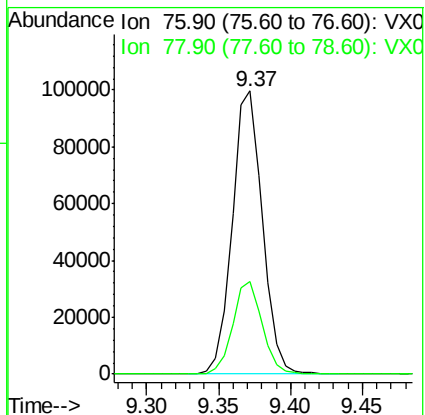
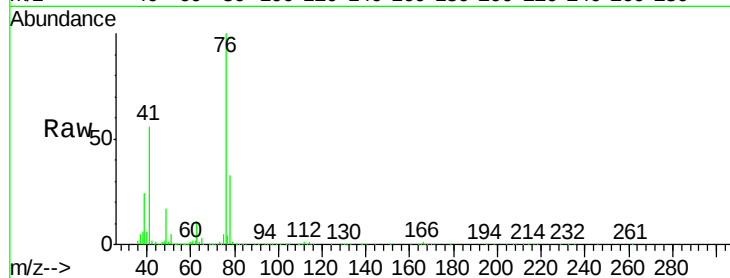
78 32.1 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

2/19/2019 11:01:12 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.239 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007579.D

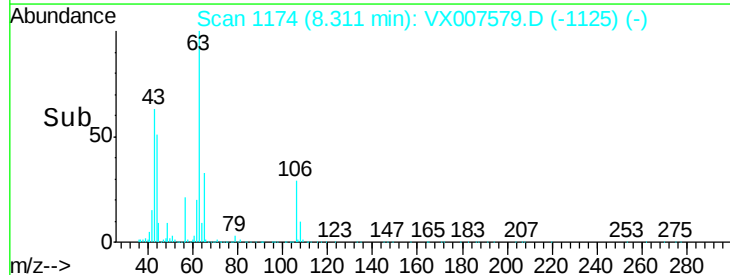
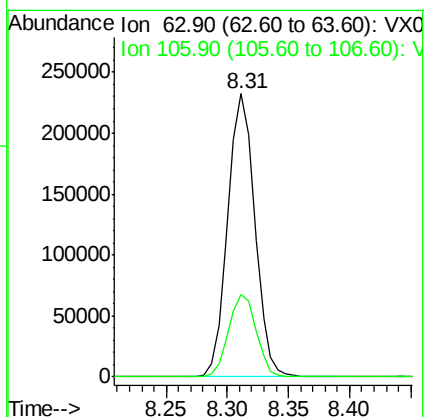
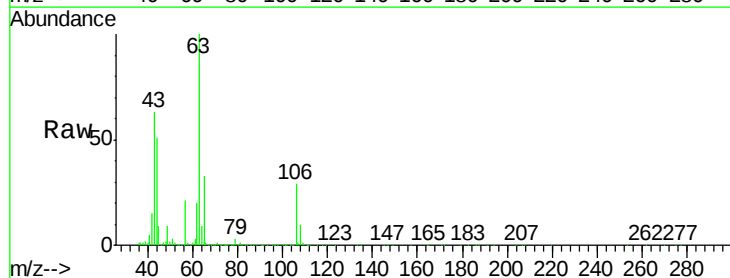
Acq: 18 Feb 2019 11:05

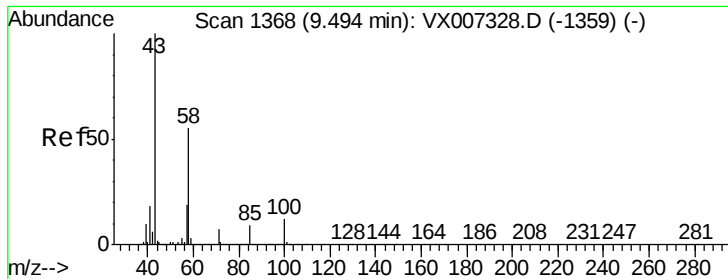
Tgt Ion: 63 Resp: 357266

Ion Ratio Lower Upper

63 100

106 29.9 23.6 35.4





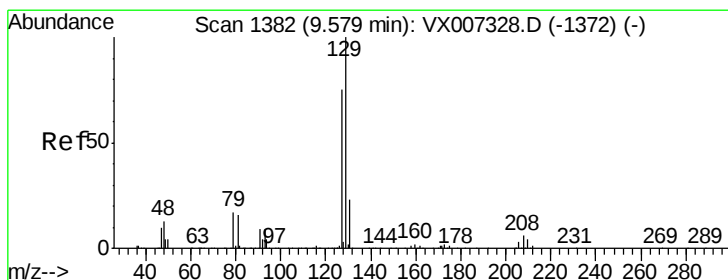
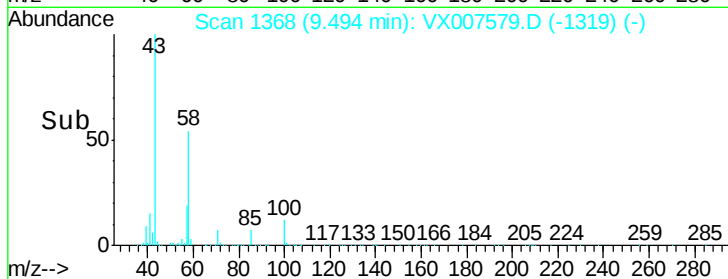
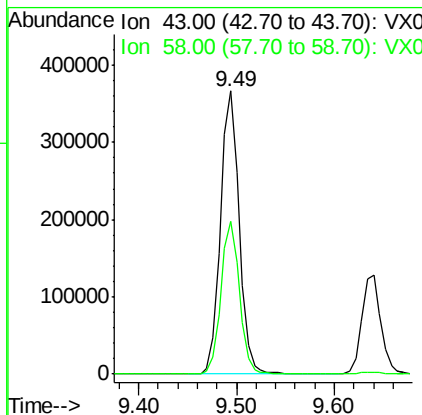
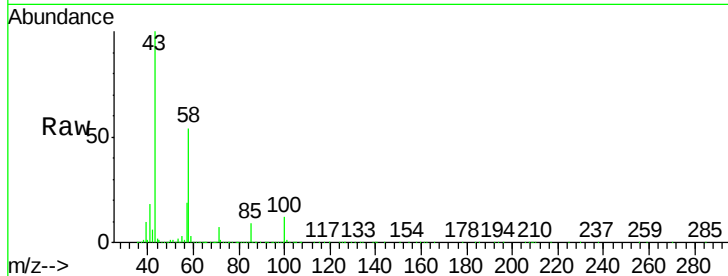
#59
2-Hexanone
Concen: 97.937 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	43	Resp	487287
Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.1	81.3

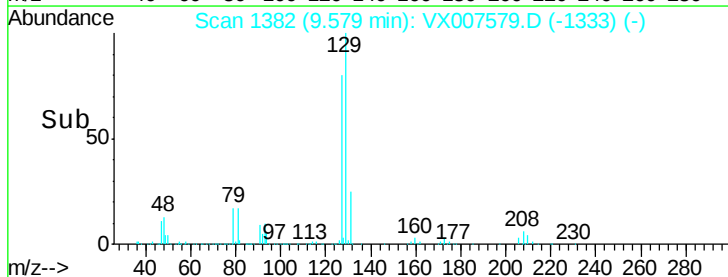
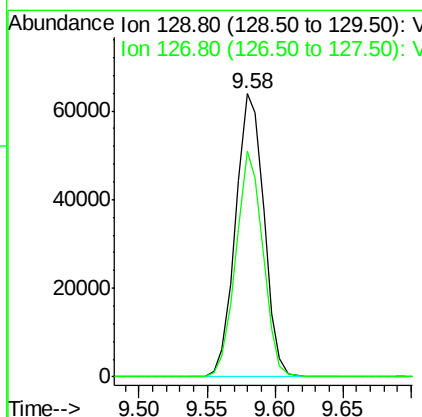
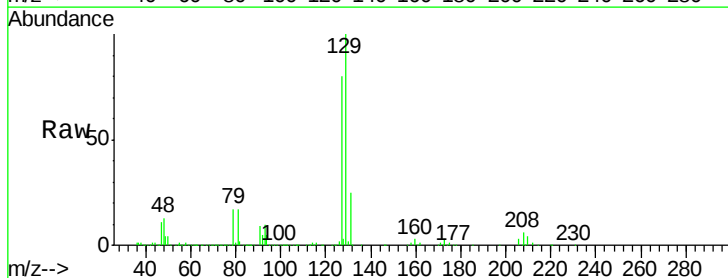
Manual Integrations
APPROVED

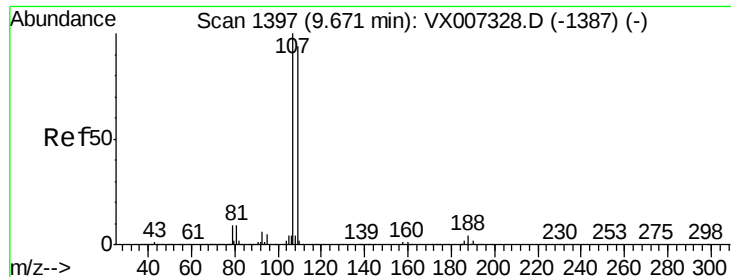
MMDadoda
2/19/2019 11:01:12 AM



#60
Dibromochloromethane
Concen: 19.930 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	129	Resp	92954
Ion	Ratio	Lower	Upper
129	100		
127	75.9	37.8	113.4





#61

1,2-Dibromoethane

Concen: 18.534 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 107 Resp: 96795

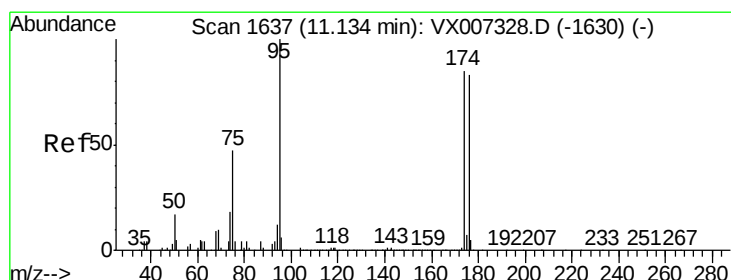
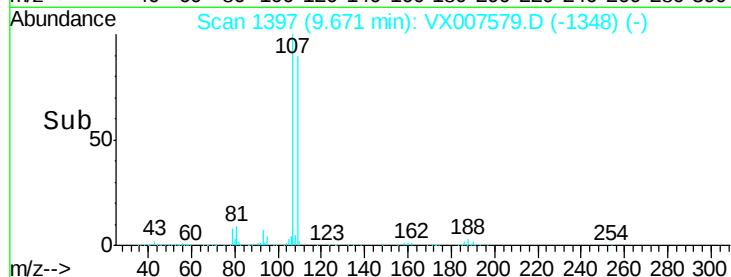
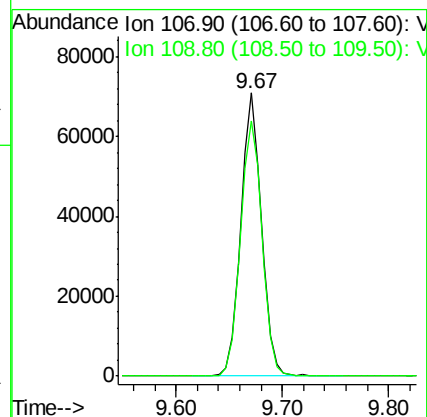
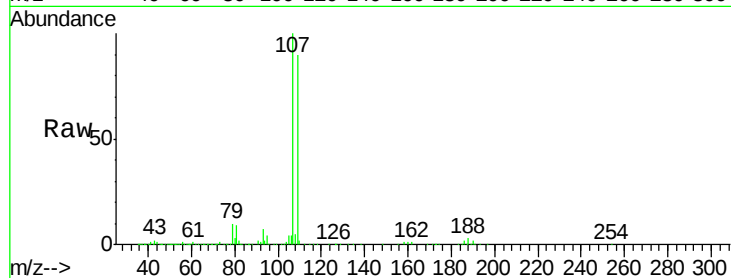
Ion Ratio Lower Upper

107 100

109 94.5 75.1 112.7

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#62

4-Bromofluorobenzene

Concen: 47.144 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

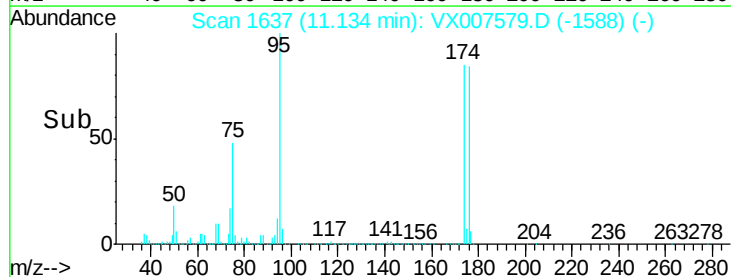
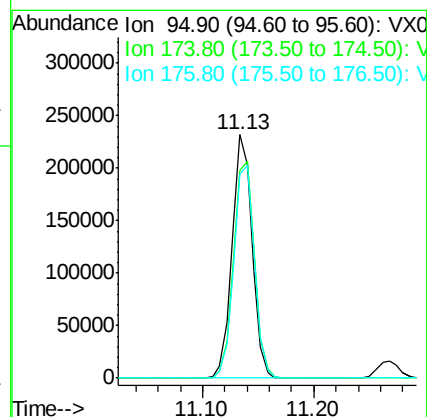
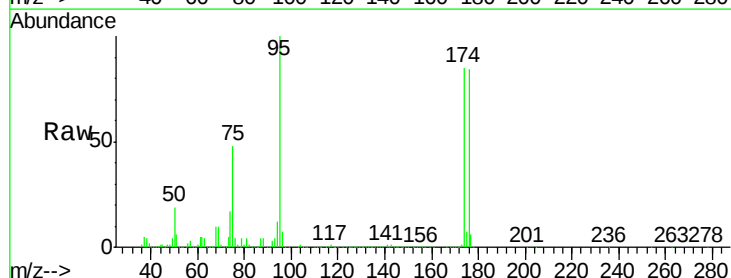
Tgt Ion: 95 Resp: 288276

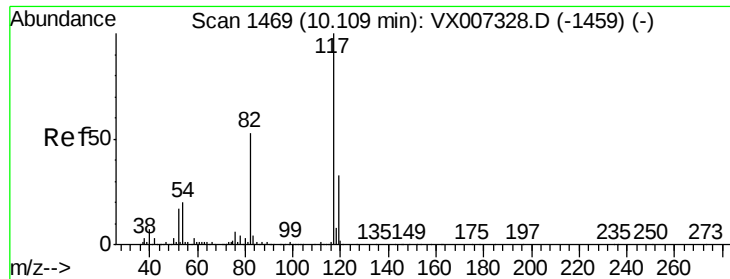
Ion Ratio Lower Upper

95 100

174 93.3 0.0 189.2

176 90.6 0.0 186.2





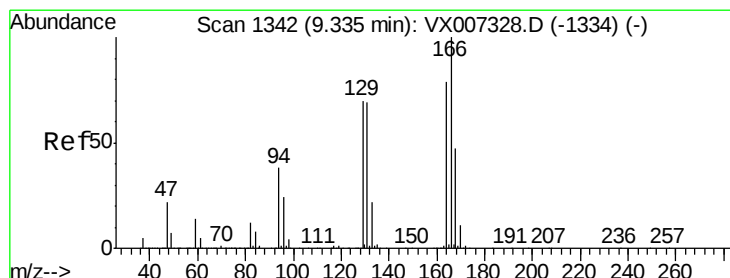
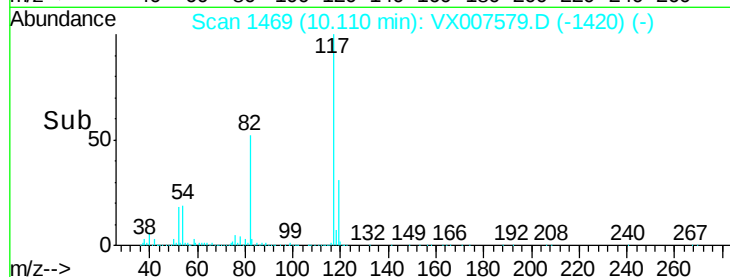
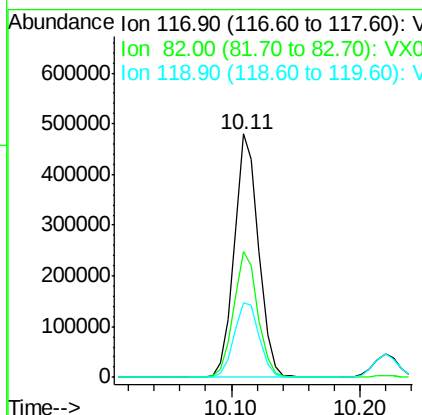
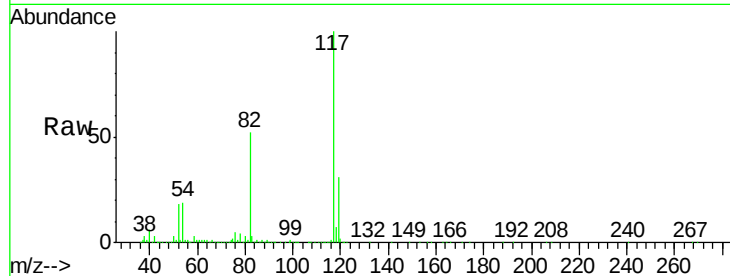
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.1	63.1
119	30.9	26.5	39.7

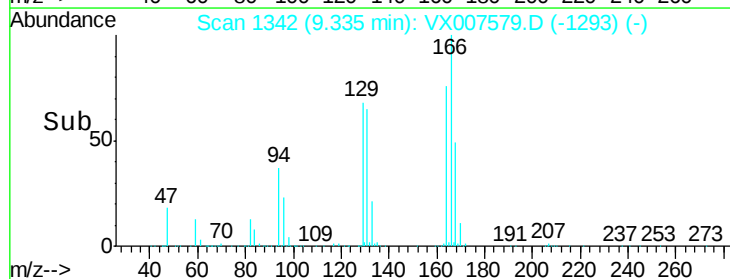
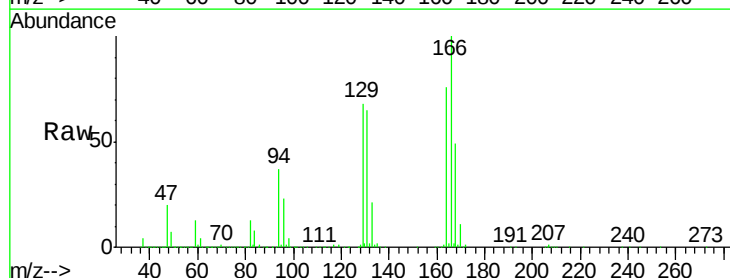
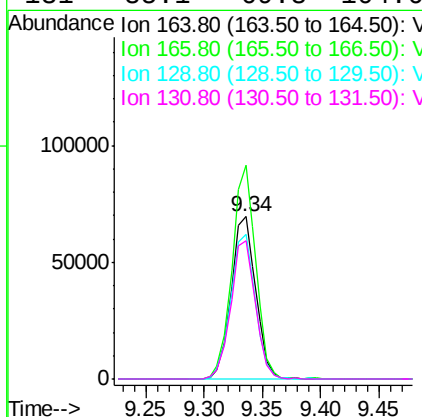
Manual Integrations
APPROVED

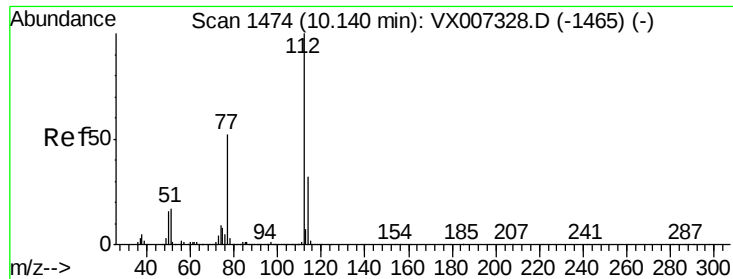
MMDadoda
2/19/2019 11:01:12 AM



#64
Tetrachloroethene
Concen: 17.330 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	101.0	151.4
129	89.6	70.5	105.7
131	85.1	69.8	104.6





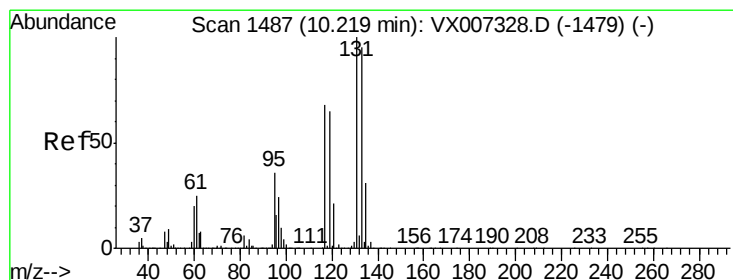
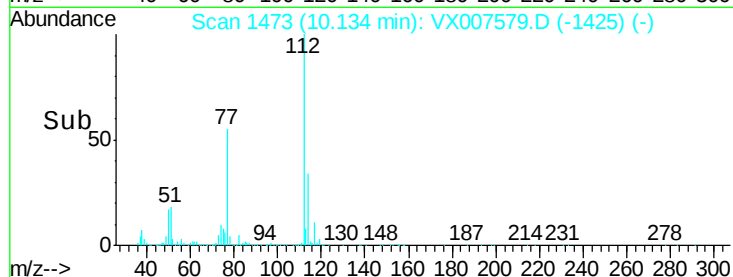
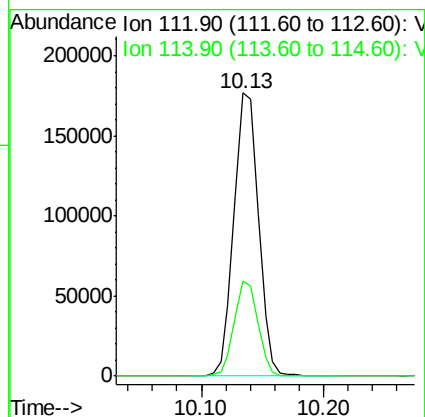
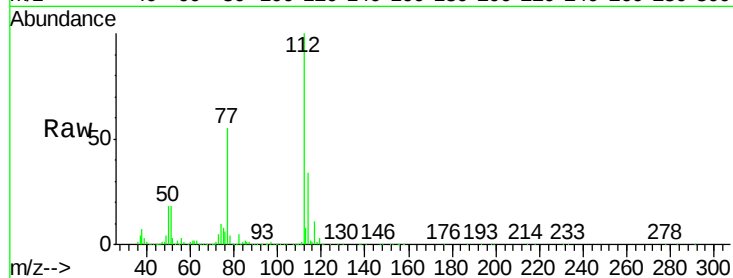
#65
Chlorobenzene
Concen: 17.959 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion:112 Resp: 245819
Ion Ratio Lower Upper
112 100
114 33.8 25.8 38.6

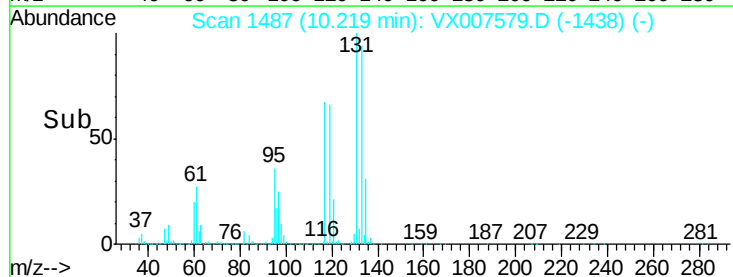
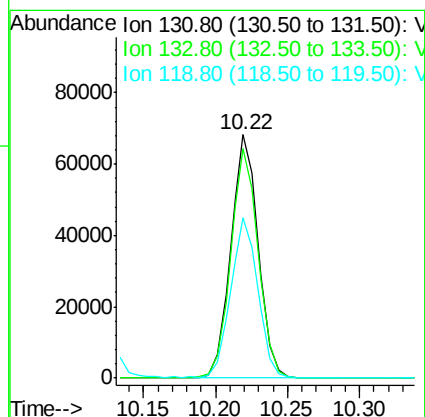
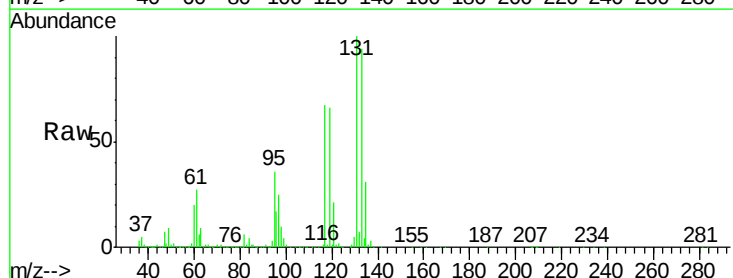
Manual Integrations
APPROVED

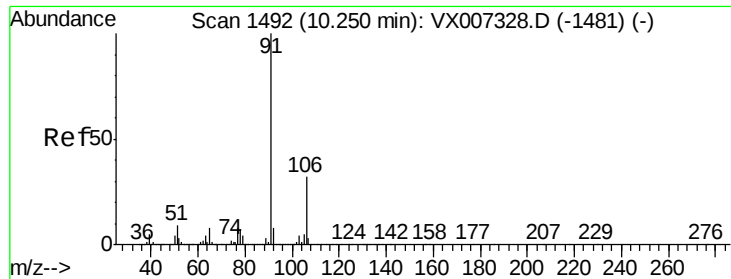
MMDadoda
2/19/2019 11:01:12 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.799 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion:131 Resp: 90857
Ion Ratio Lower Upper
131 100
133 94.6 48.0 144.2
119 65.8 32.0 96.0





#67

Ethyl Benzene

Concen: 18.362 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampled :

VX0218WBS01

Tot Ion: 91 Resp: 404742

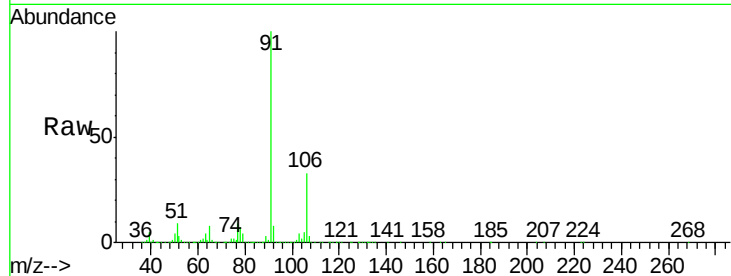
Ion Ratio Lower Upper

91 100

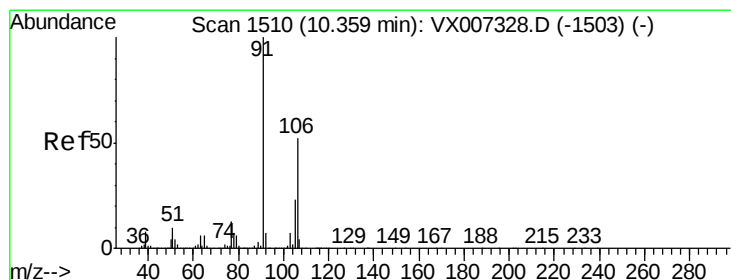
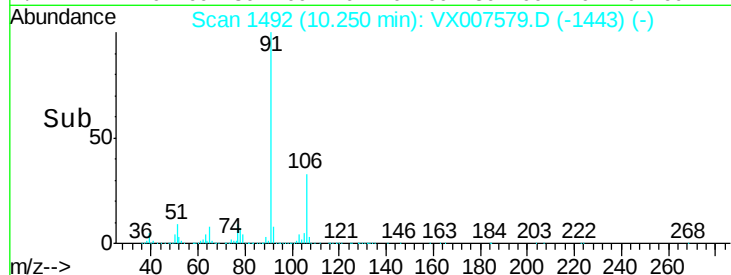
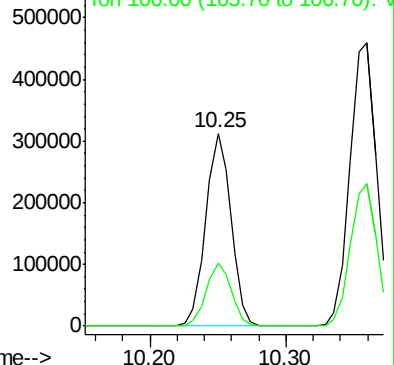
106 32.9 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



Abundance Ion 91.00 (90.70 to 91.70): VX007328.D (-1481) (-)



#68

m/p-Xylenes

Concen: 35.778 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007579.D

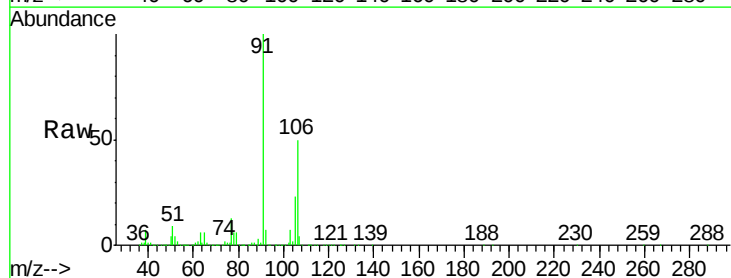
Acq: 18 Feb 2019 11:05

Tgt Ion: 106 Resp: 313487

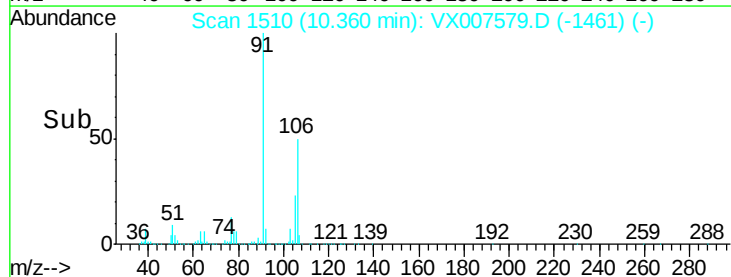
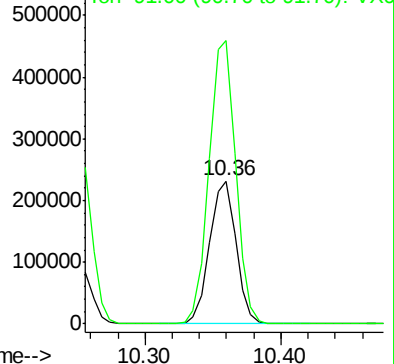
Ion Ratio Lower Upper

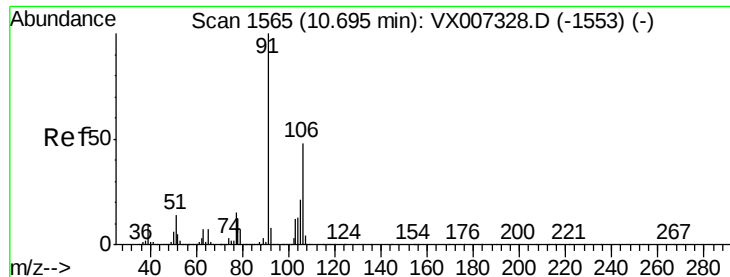
106 100

91 199.9 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): VX007328.D (-1503) (-)





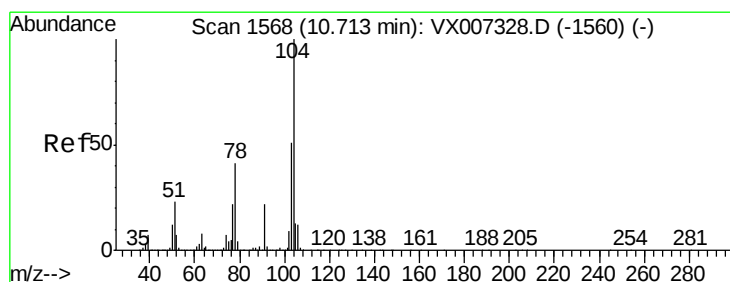
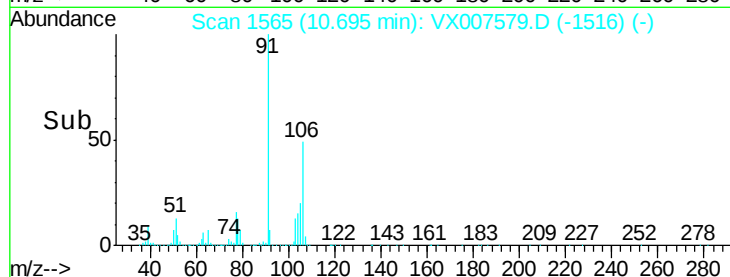
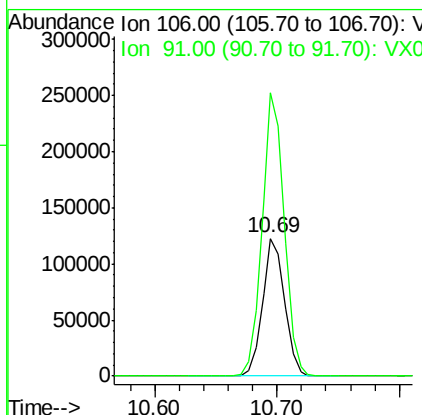
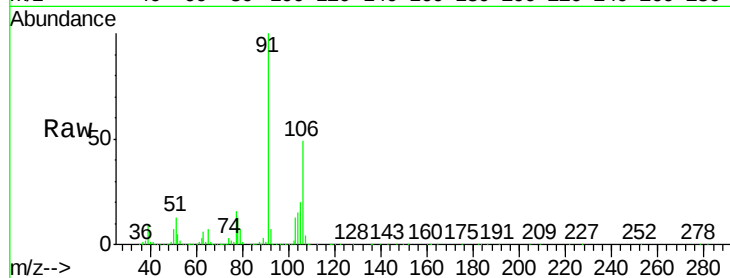
#69
o-Xylene
Concen: 18.318 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.2	102.9	308.7	

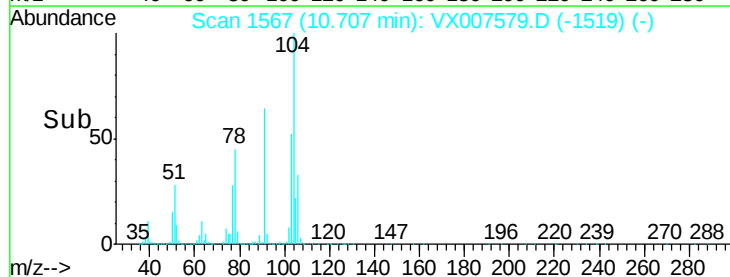
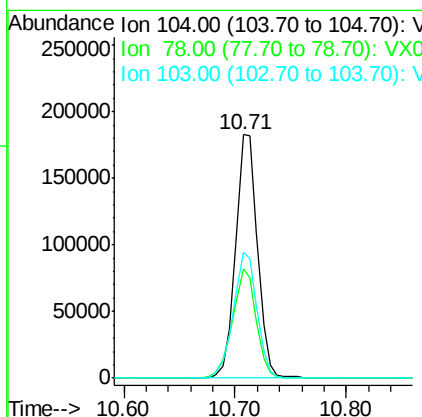
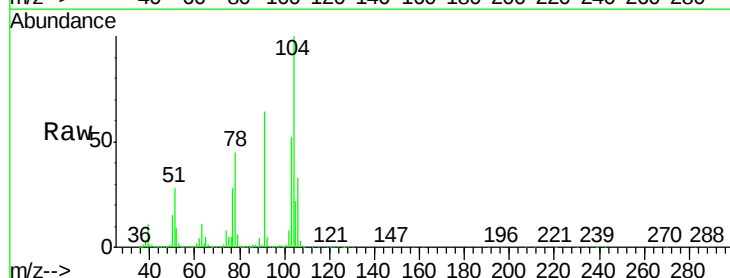
Manual Integrations
APPROVED

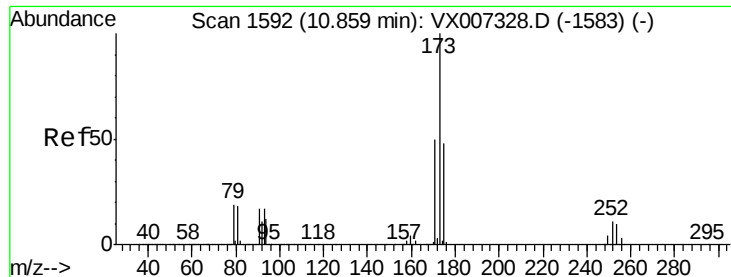
MMDadoda
2/19/2019 11:01:12 AM



#70
Styrene
Concen: 18.205 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.4	38.3	57.5	
103	56.1	44.6	67.0	





#71

Bromoform

Concen: 19.870 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion:173 Resp: 69347

Ion Ratio Lower Upper

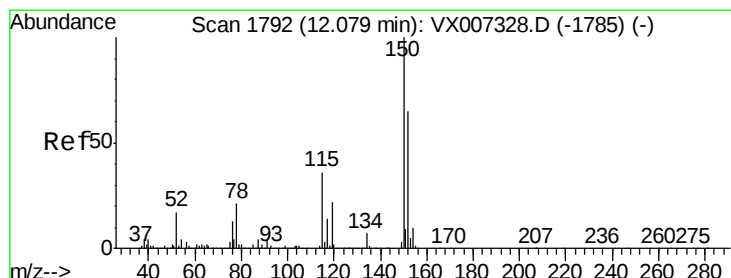
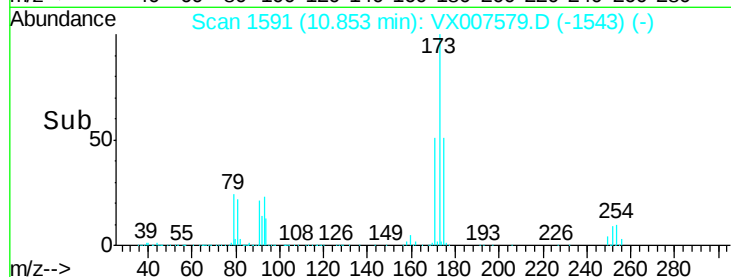
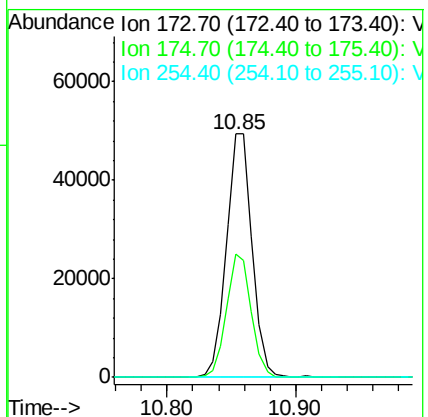
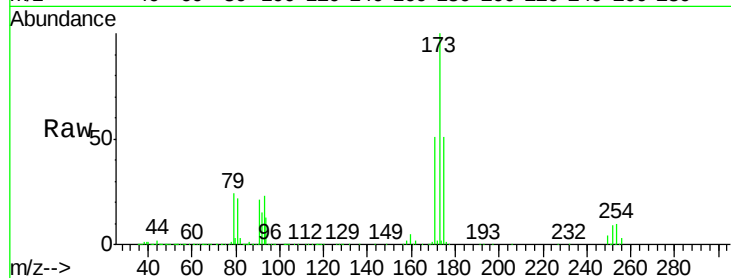
173 100

175 48.7 24.2 72.6

254 0.2 0.2 0.2

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

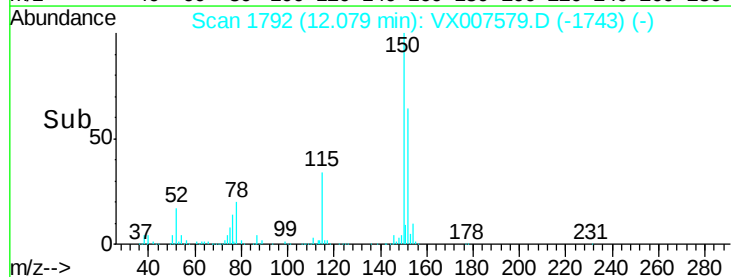
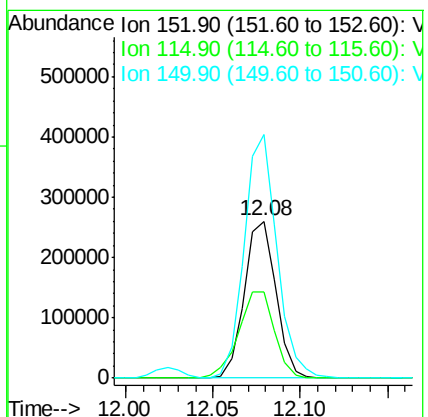
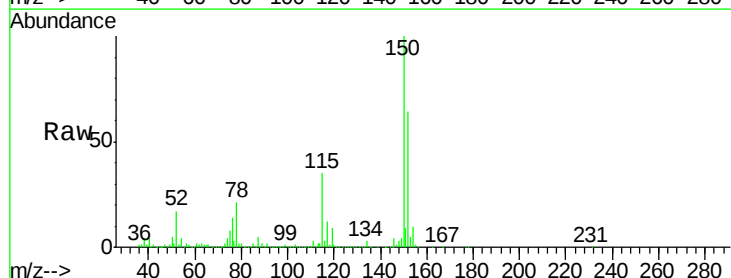
Tgt Ion:152 Resp: 325813

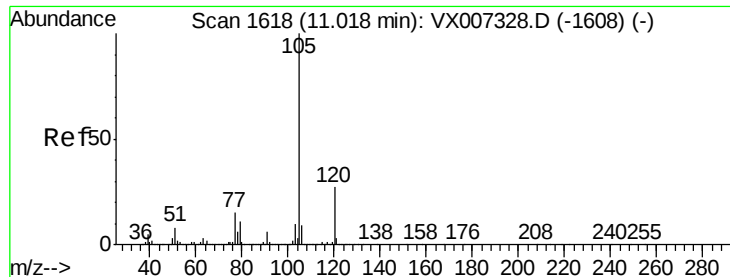
Ion Ratio Lower Upper

152 100

115 62.7 38.0 114.0

150 160.6 0.0 346.4





#73

Isopropylbenzene

Concen: 19.049 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 105 Resp: 421757

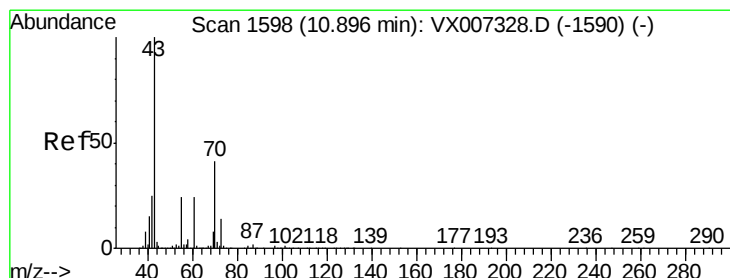
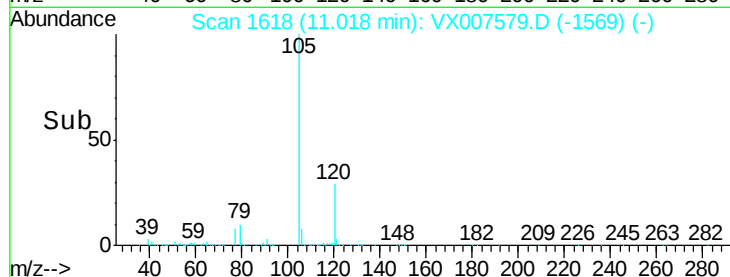
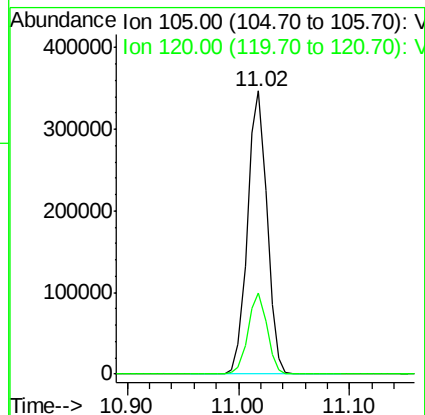
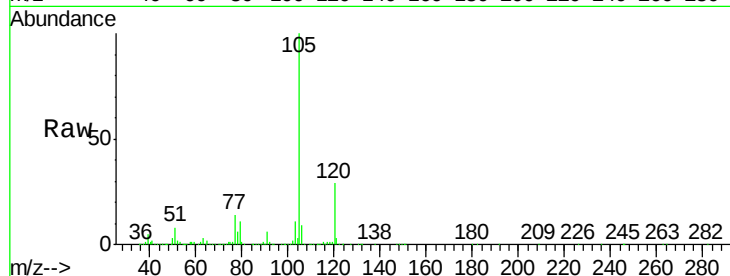
Ion Ratio Lower Upper

105 100

120 28.0 13.6 40.7

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#74

N-ethyl acetate

Concen: 18.985 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Tgt Ion: 43 Resp: 162586

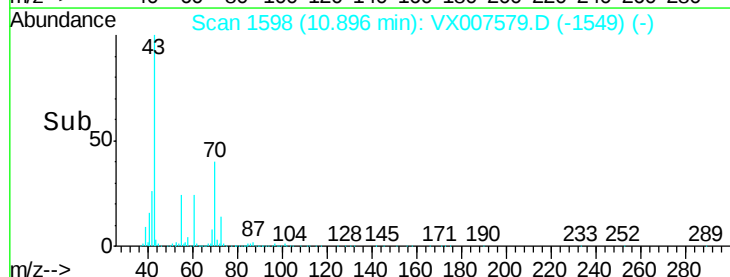
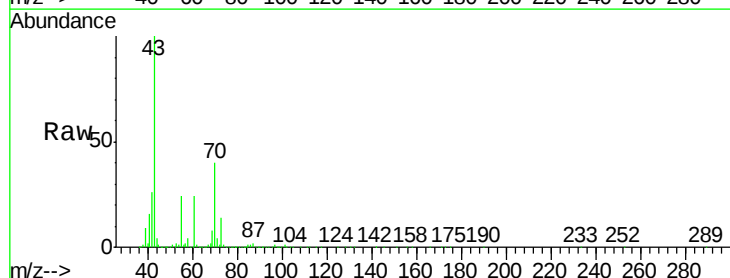
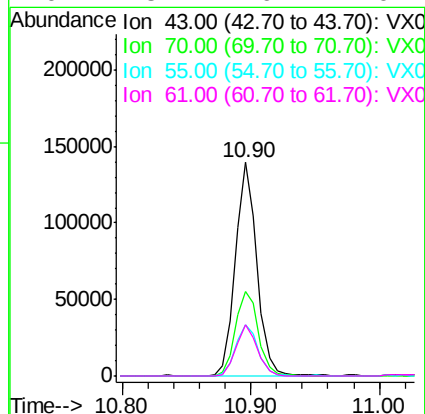
Ion Ratio Lower Upper

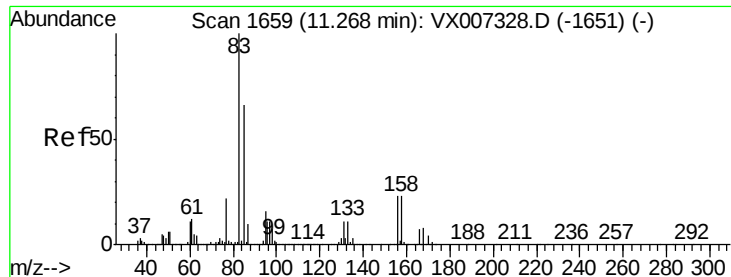
43 100

70 42.6 33.8 50.6

55 25.0 19.5 29.3

61 23.7 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.958 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampled :

VX0218WBS01

Tot Ion: 83 Resp: 134672

Ion Ratio Lower Upper

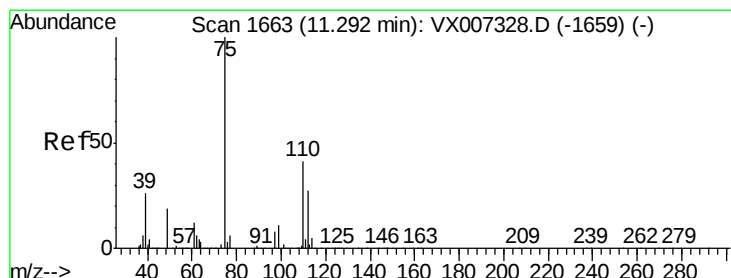
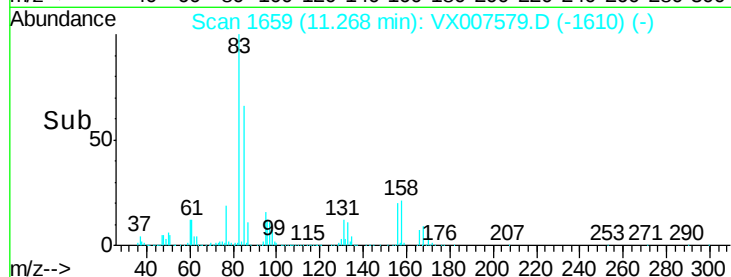
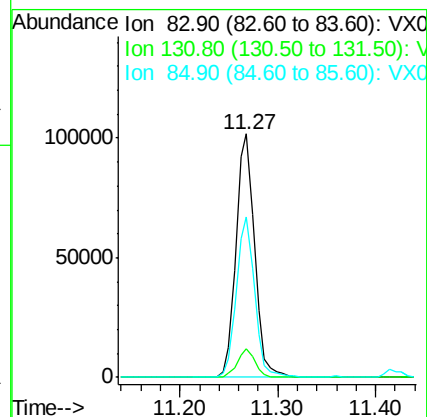
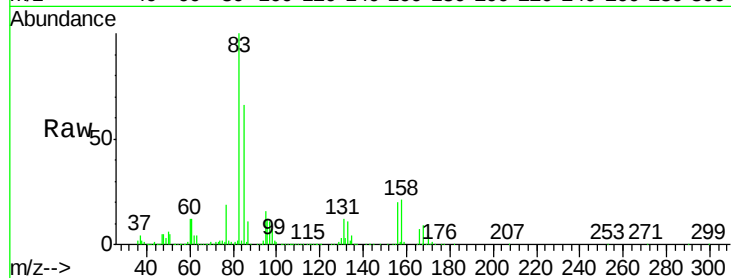
83 100

131 11.2 5.7 17.0

85 65.2 32.8 98.3

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#76

1,2,3-Trichloropropane

Concen: 20.337 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX007579.D

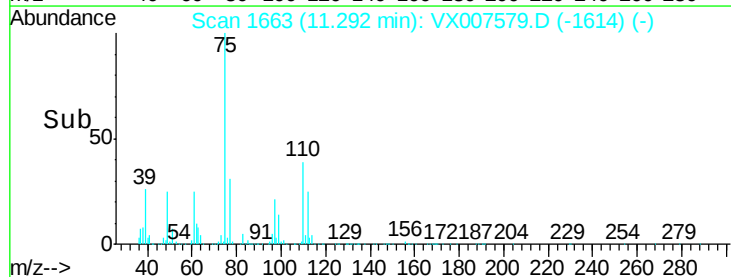
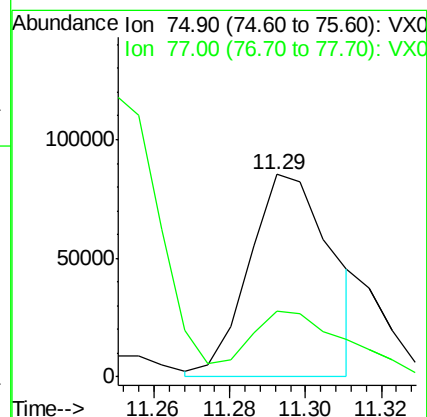
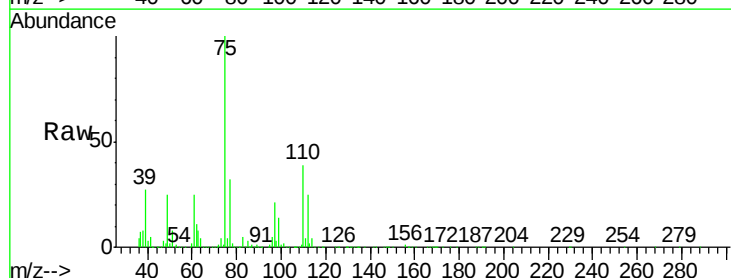
Acq: 18 Feb 2019 11:05

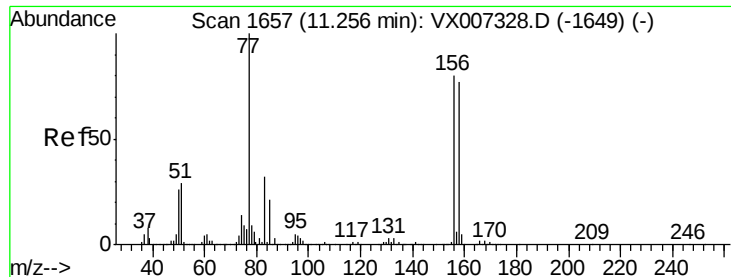
Tgt Ion: 75 Resp: 128886

Ion Ratio Lower Upper

75 100

77 38.5 23.0 69.0





#77

Bromobenzene

Concen: 18.263 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion:156 Resp: 113930

Ion Ratio Lower Upper

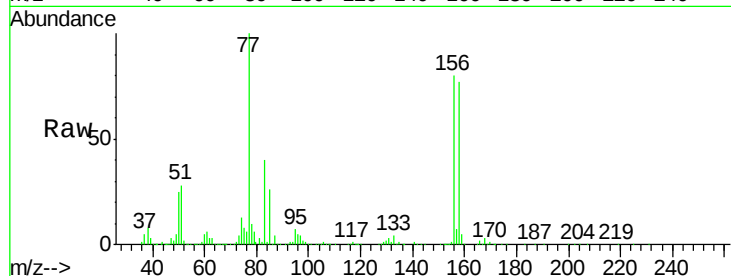
156 100

77 134.6 66.8 200.6

158 97.9 47.9 143.8

Manual Integrations
APPROVED

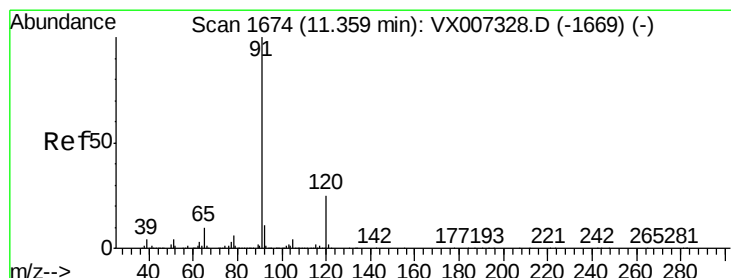
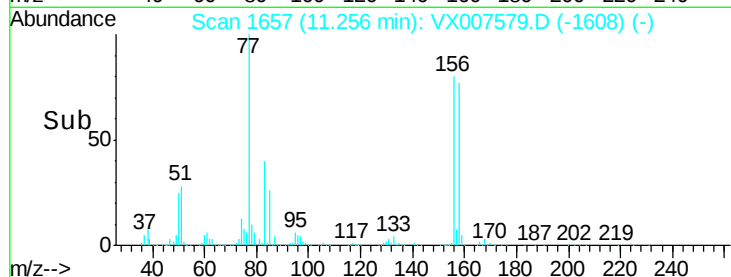
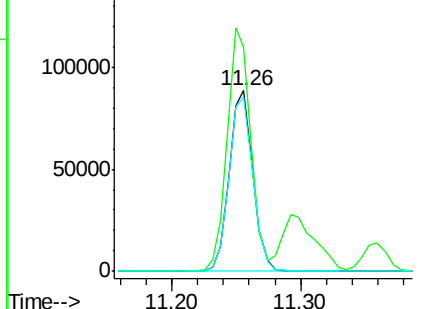
MMDadoda
2/19/2019 11:01:12 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.205 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007579.D

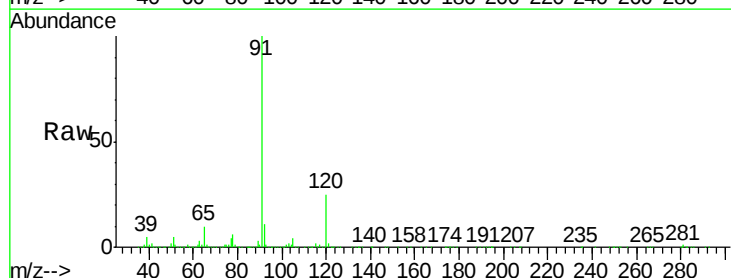
Acq: 18 Feb 2019 11:05

Tgt Ion: 91 Resp: 466263

Ion Ratio Lower Upper

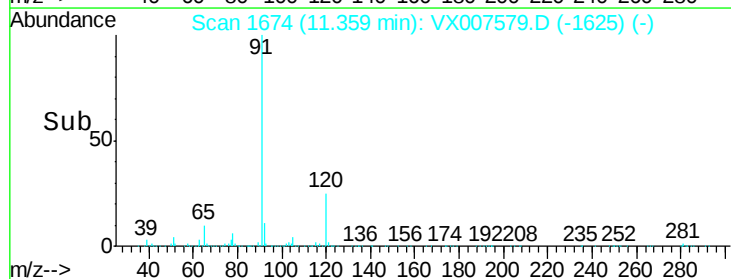
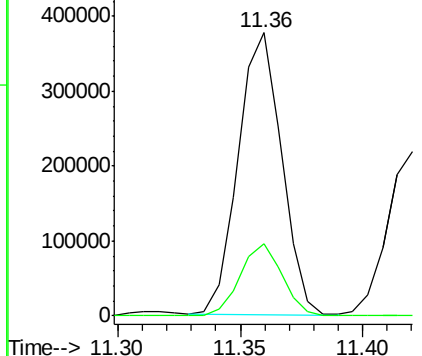
91 100

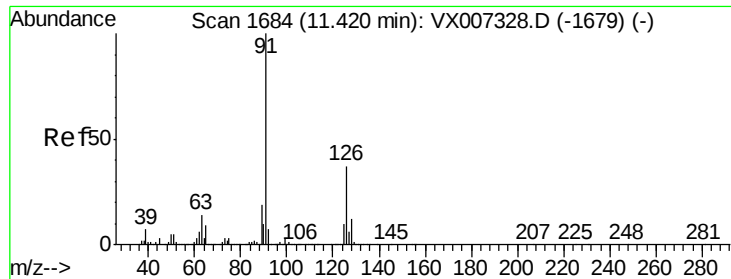
120 24.9 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.716 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion: 91 Resp: 275724

Ion Ratio Lower Upper

91 100

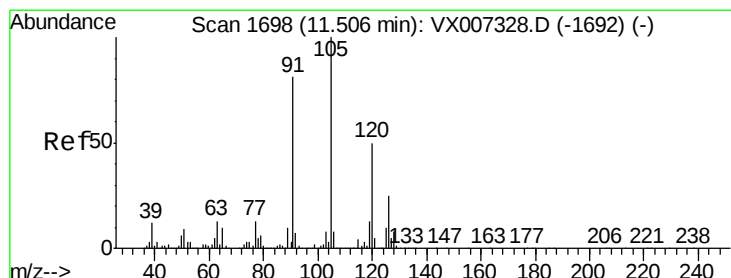
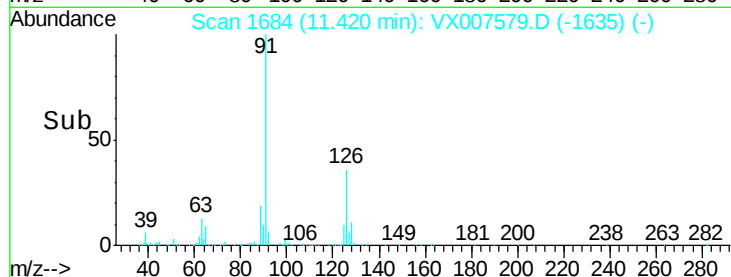
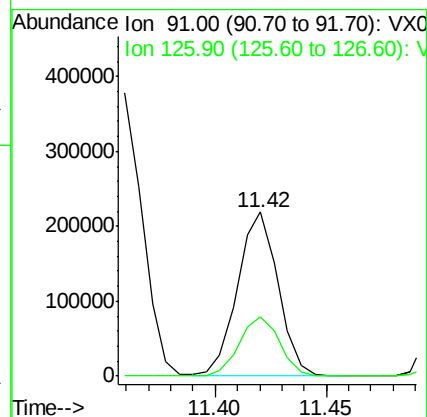
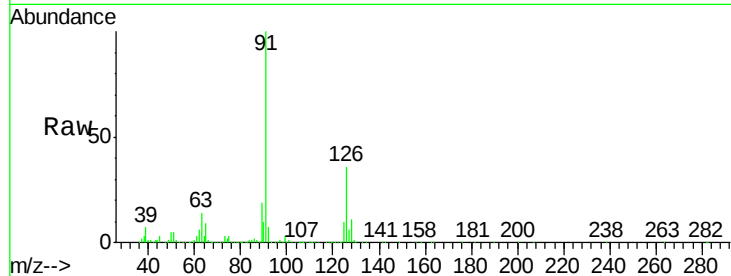
126 36.2 18.7 56.1

Manual Integrations

APPROVED

MMDadoda

2/19/2019 11:01:12 AM



#80

1,3,5-Trimethylbenzene

Concen: 18.723 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007579.D

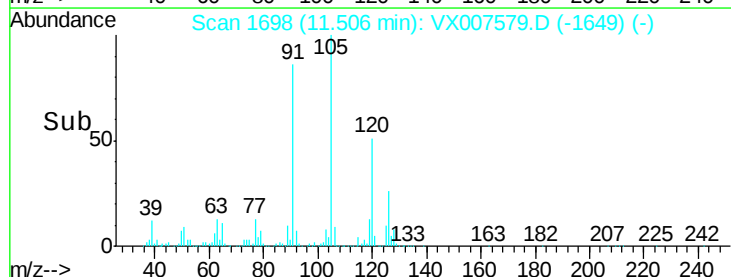
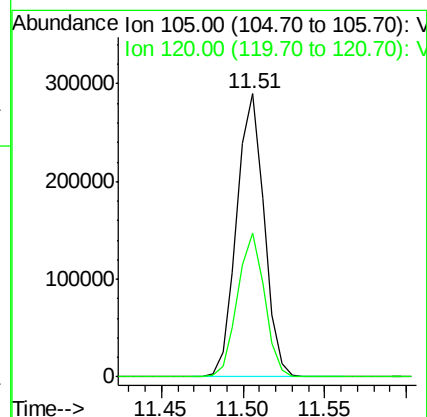
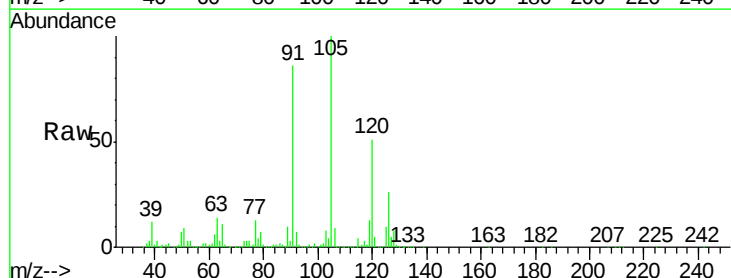
Acq: 18 Feb 2019 11:05

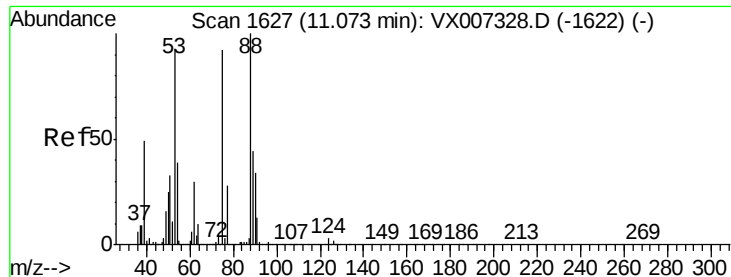
Tgt Ion: 105 Resp: 339141

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.8





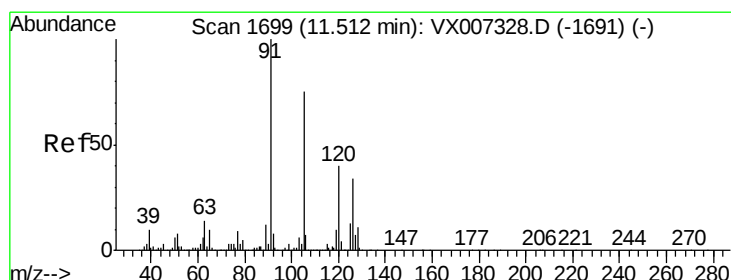
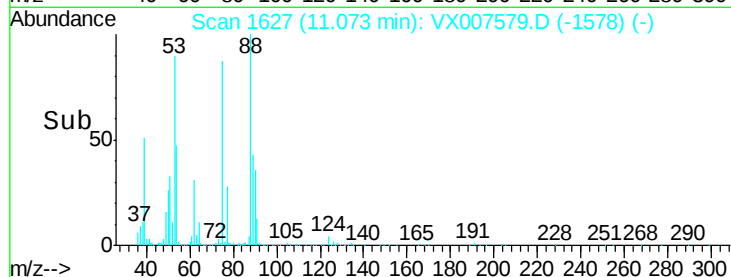
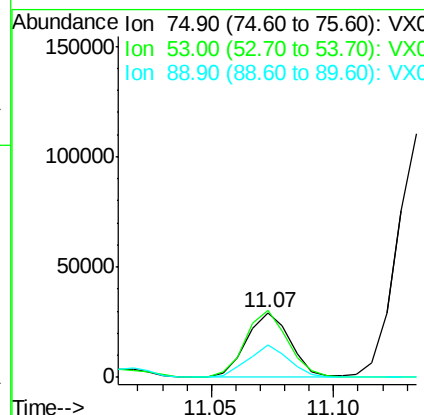
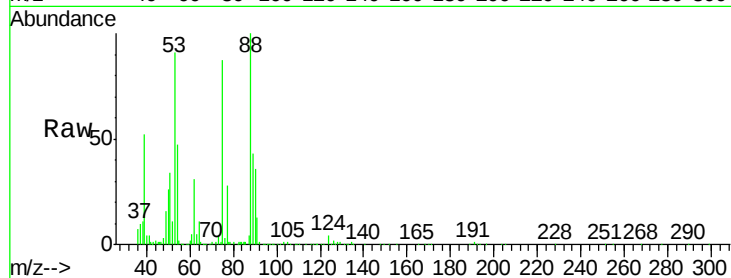
#81
trans-1,4-Dichloro-2-butene
Concen: 20.277 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.3	81.0	121.6
89	48.9	41.4	62.0

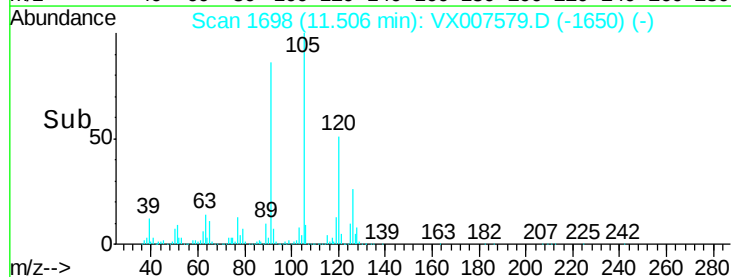
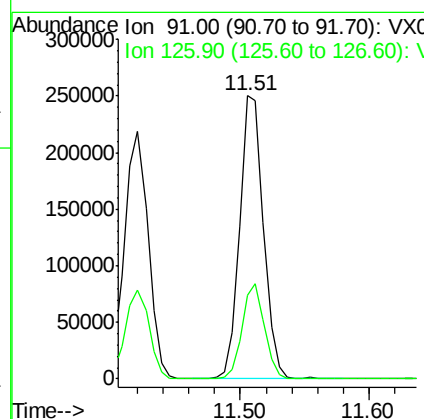
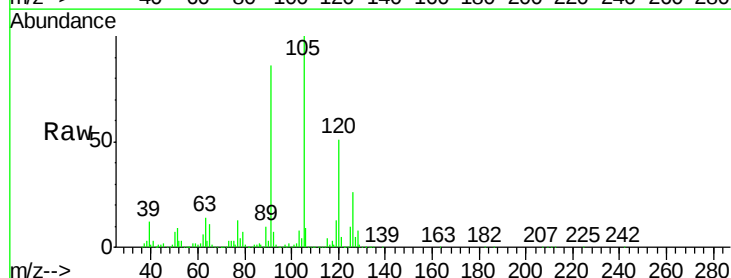
Manual Integrations
APPROVED

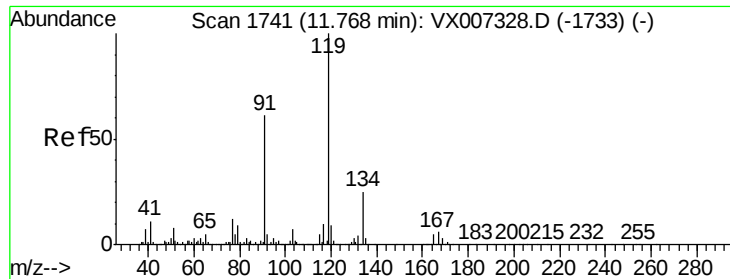
MMDadoda
2/19/2019 11:01:12 AM



#82
4-Chlorotoluene
Concen: 18.853 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.2	48.5





#83

tert-Butylbenzene

Concen: 18.842 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

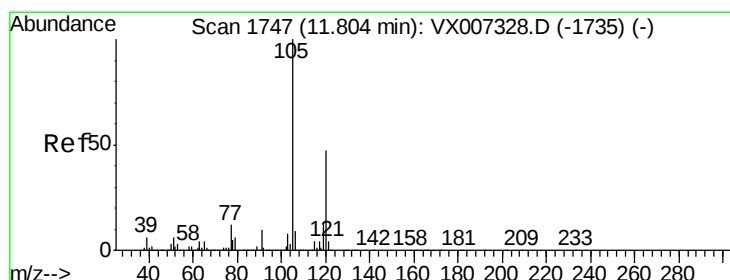
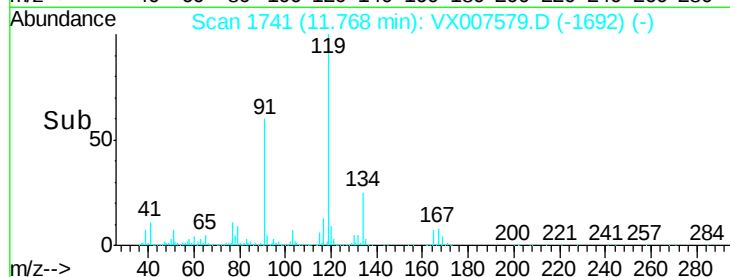
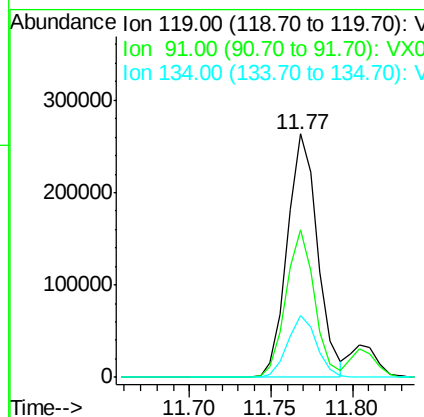
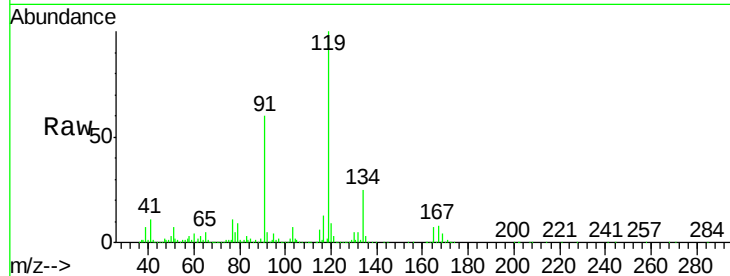
ClientSampleId :

VX0218WBS01

Tot Ion:	119	Resp:	337906
Ion Ratio	Lower	Upper	
119	100		
91	57.0	28.5	85.6
134	24.5	12.0	36.0

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#84

1,2,4-Trimethylbenzene

Concen: 19.136 ug/l

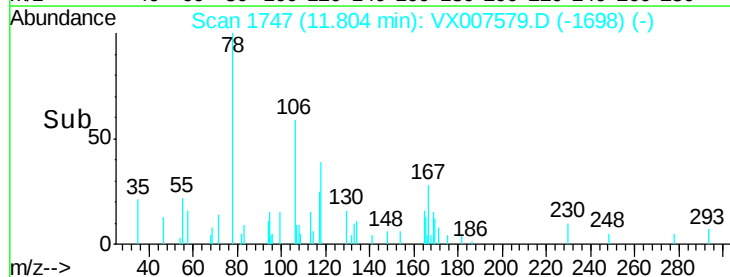
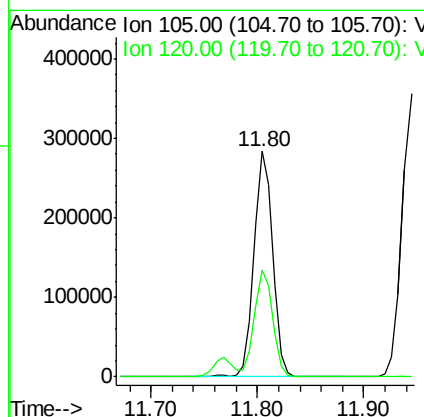
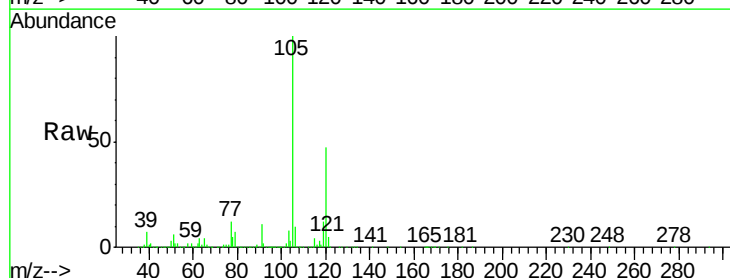
RT: 11.80 min Scan# 1747

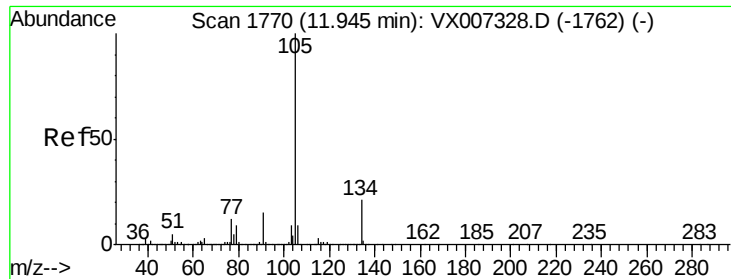
Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Tgt Ion:	105	Resp:	351915
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.1	69.3





#85

sec-Butylbenzene

Concen: 19.374 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBS01

Tot Ion:105 Resp: 420521

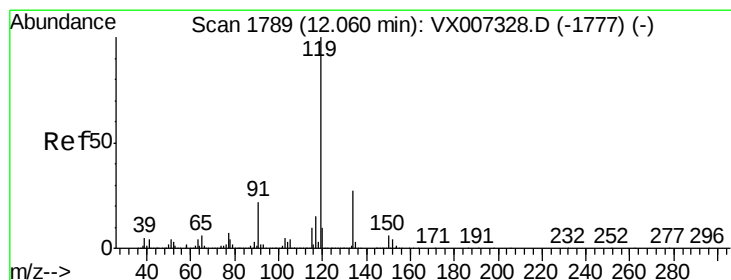
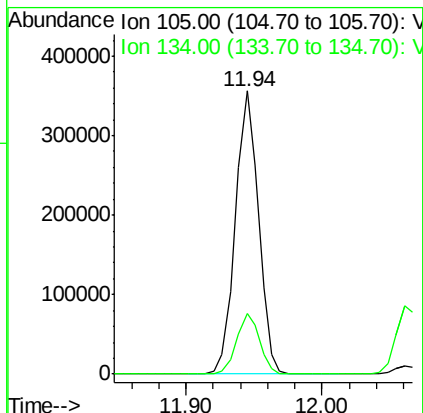
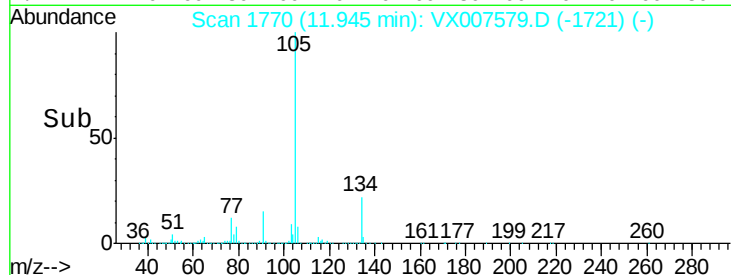
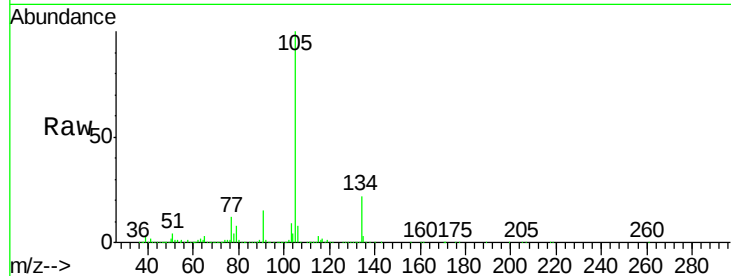
Ion Ratio Lower Upper

105 100

134 21.3 10.6 31.8

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#86

p-Isopropyltoluene

Concen: 19.035 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

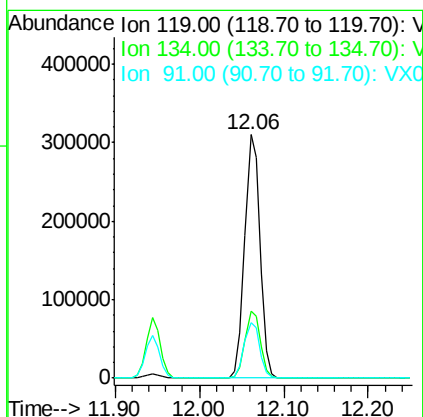
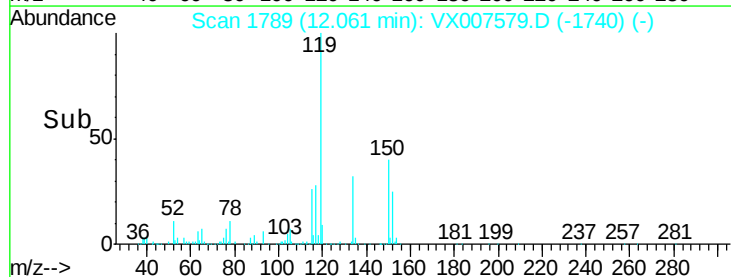
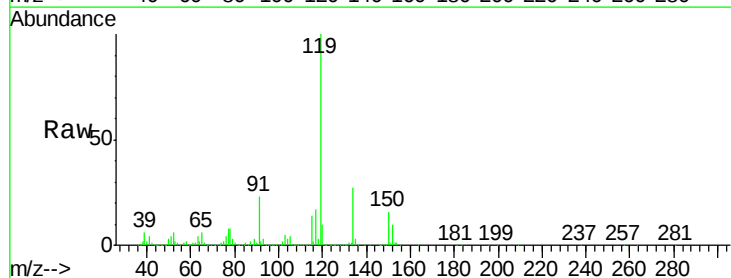
Tgt Ion:119 Resp: 372957

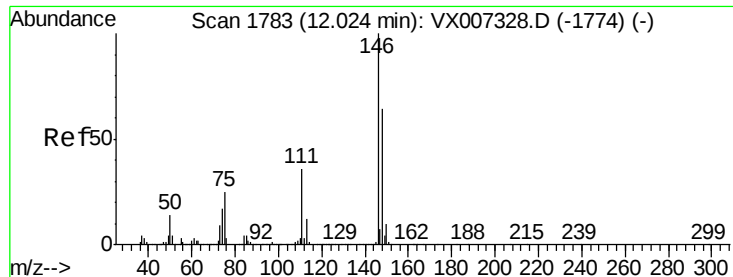
Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

91 23.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 17.958 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

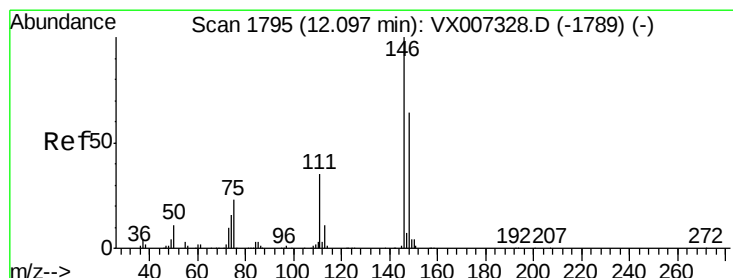
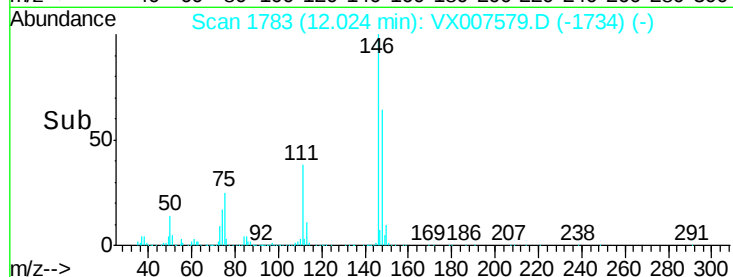
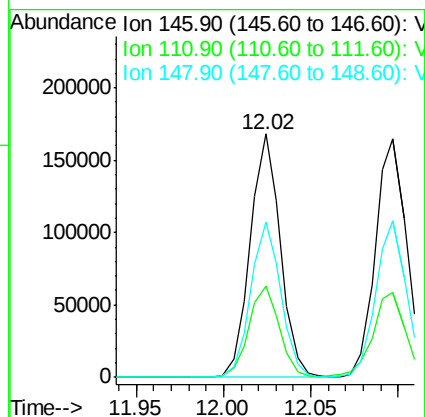
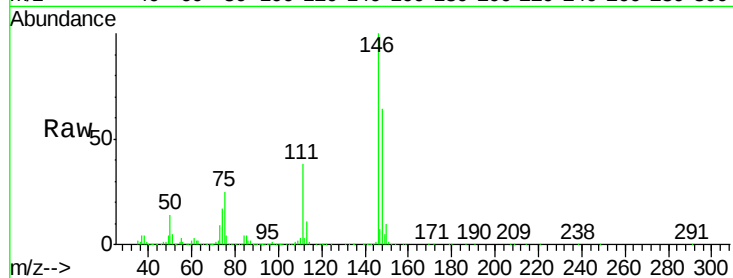
ClientSampleId :

VX0218WBS01

Tot Ion:	146	Resp:	201055
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.1	54.1
148	63.8	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#88

1,4-Dichlorobenzene

Concen: 17.918 ug/l

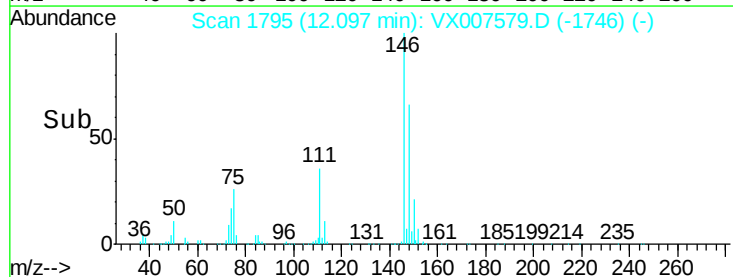
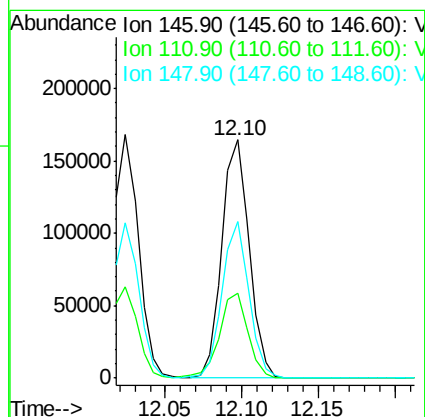
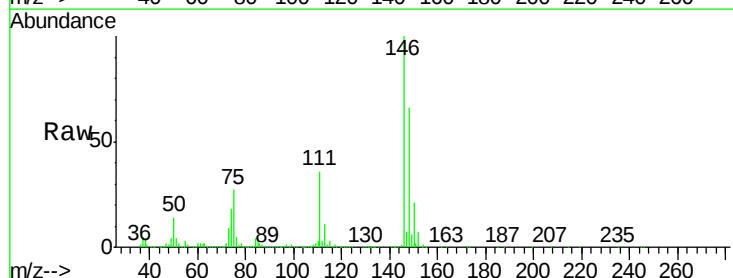
RT: 12.10 min Scan# 1795

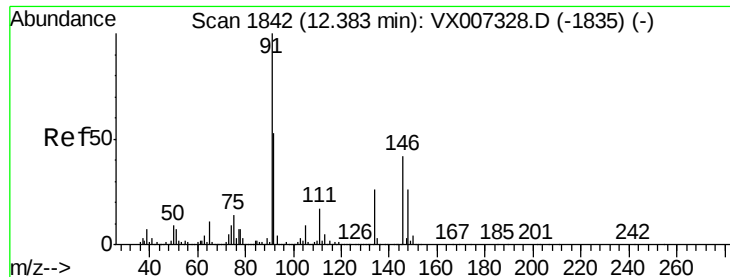
Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Tgt Ion:	146	Resp:	203515
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.1	54.1
148	64.7	32.3	96.9





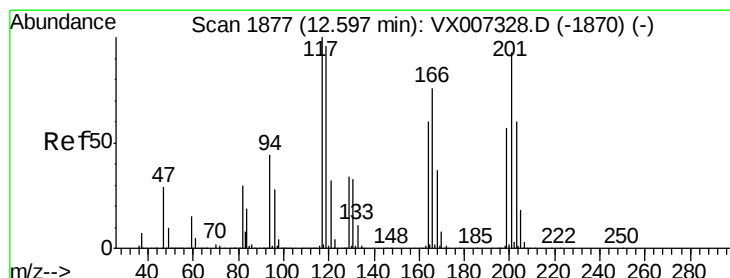
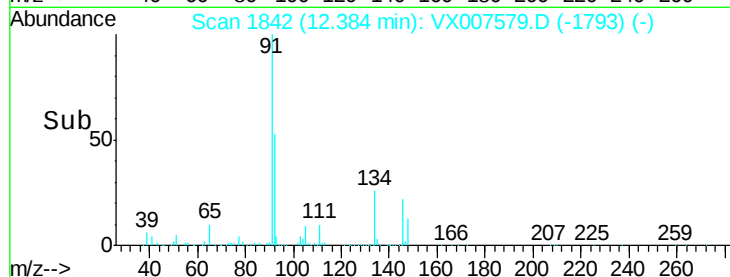
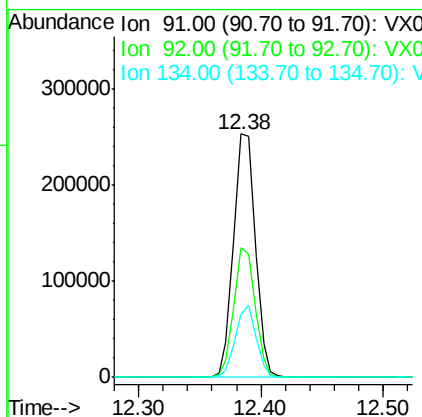
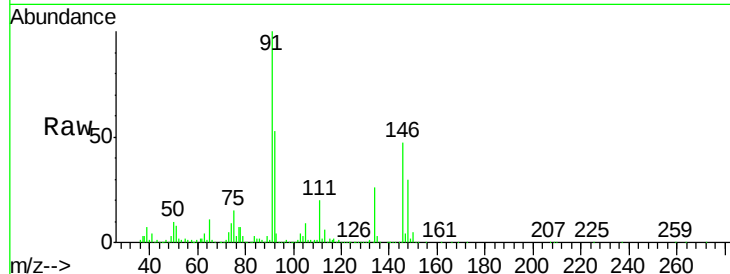
#89
n-Butylbenzene
Concen: 18.561 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	27.9	13.9	41.6

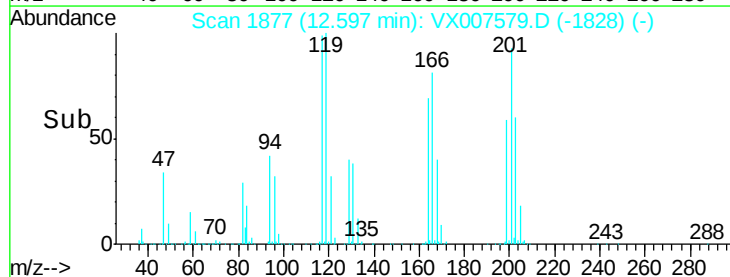
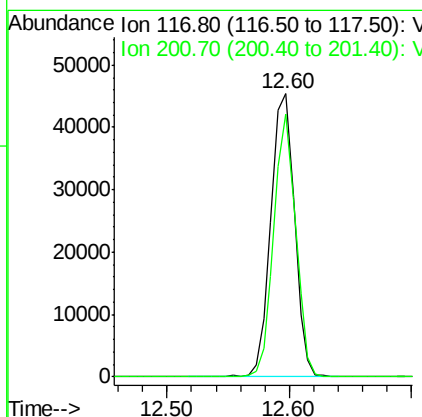
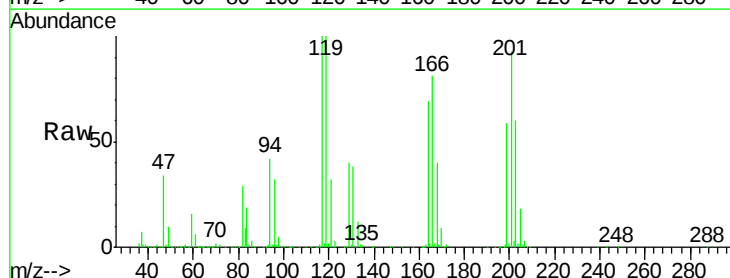
Manual Integrations
APPROVED

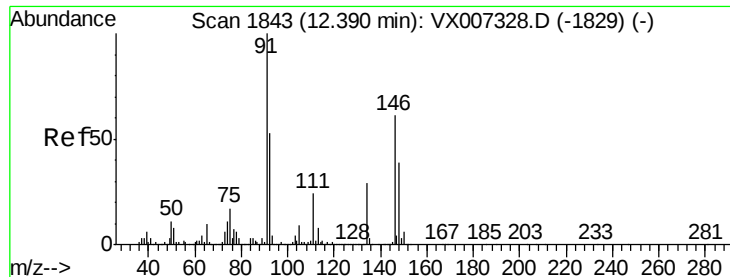
MMDadoda
2/19/2019 11:01:12 AM



#90
Hexachloroethane
Concen: 20.908 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007579.D
Acq: 18 Feb 2019 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	44.9	134.7





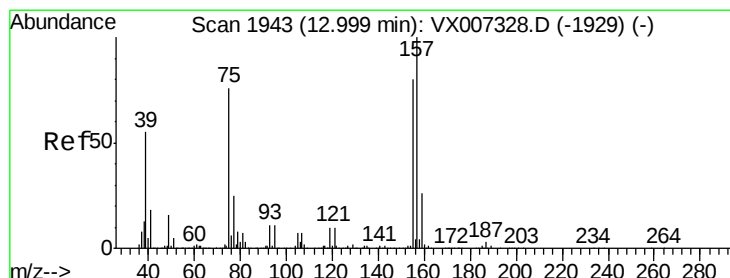
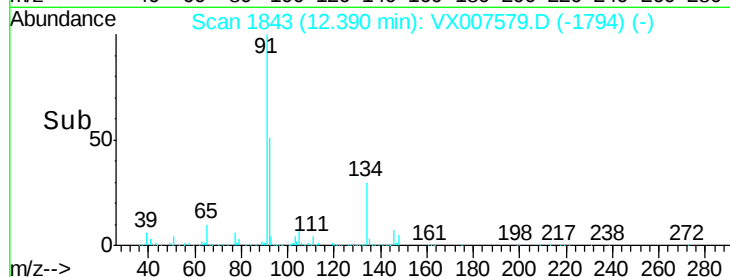
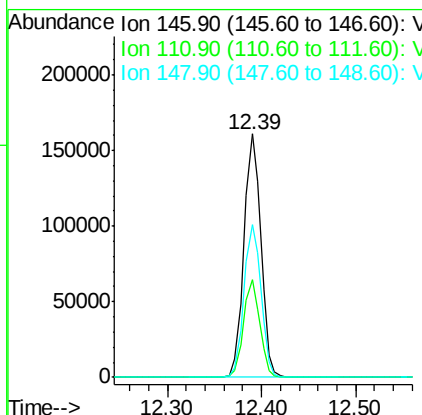
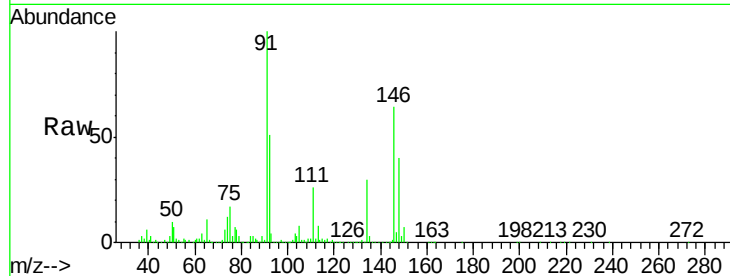
#91
 1,2-Dichlorobenzene
 Concen: 18.150 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007579.D
 Acq: 18 Feb 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	202227		
111	38.8	19.1	57.3	
148	62.9	32.1	96.3	

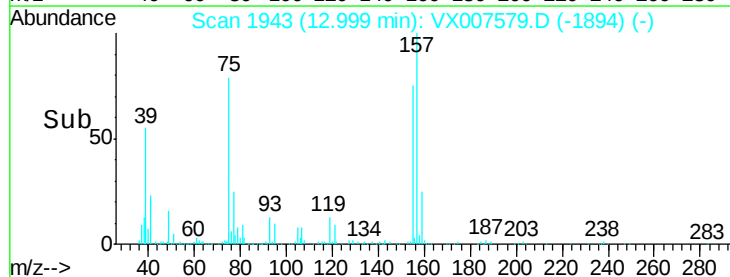
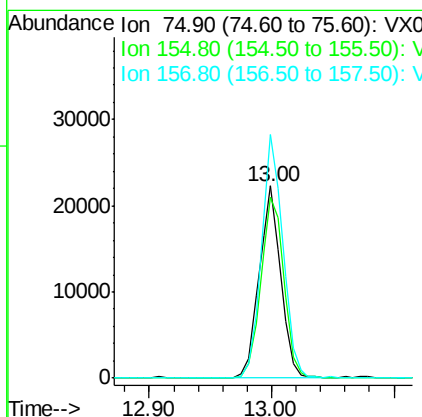
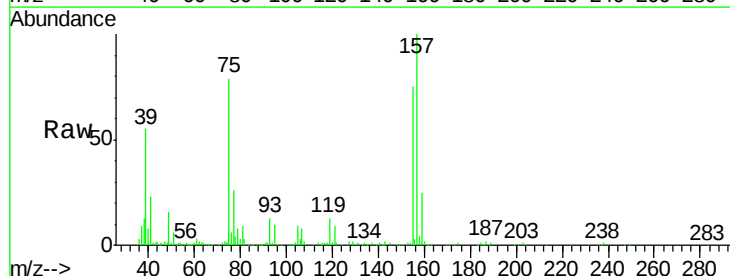
Manual Integrations
 APPROVED

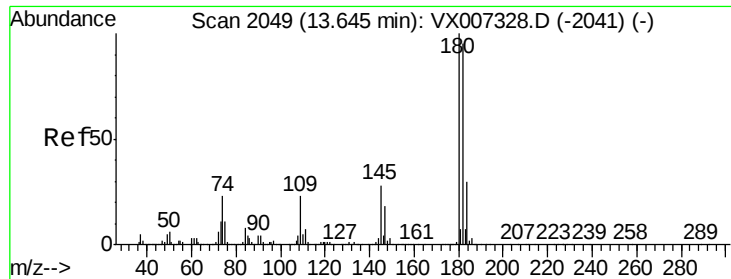
MMDadoda
 2/19/2019 11:01:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.793 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007579.D
 Acq: 18 Feb 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27770		
155	99.2	49.6	149.0	
157	125.7	65.1	195.3	





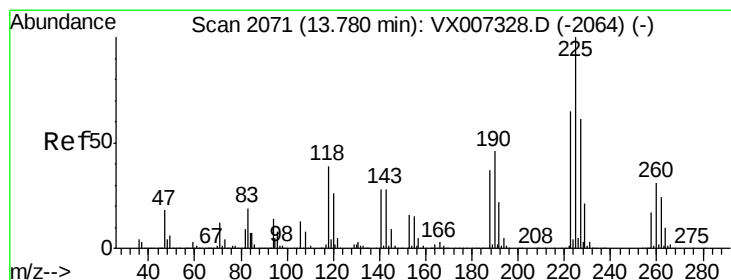
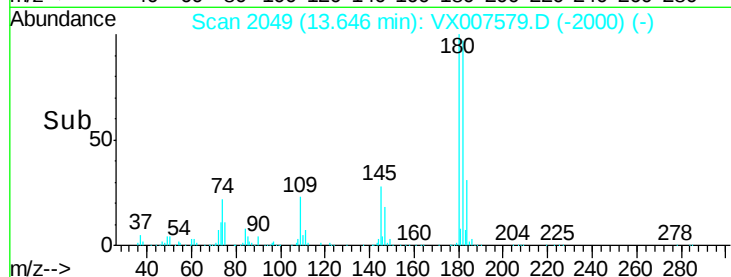
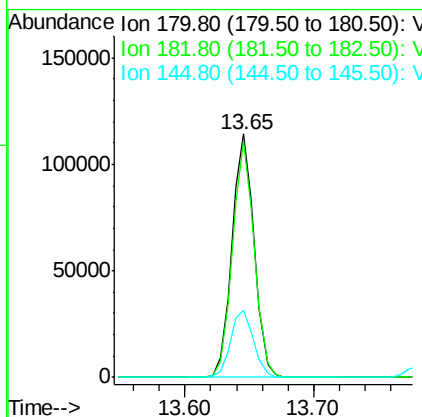
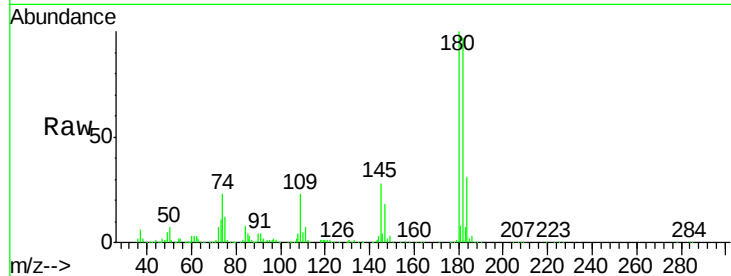
#93
 1,2,4-Trichlorobenzene
 Concen: 18.286 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007579.D
 Acq: 18 Feb 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137396		
182	95.3	47.8	143.3	
145	28.7	14.1	42.2	

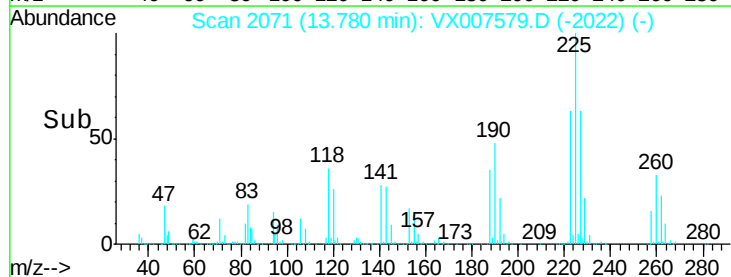
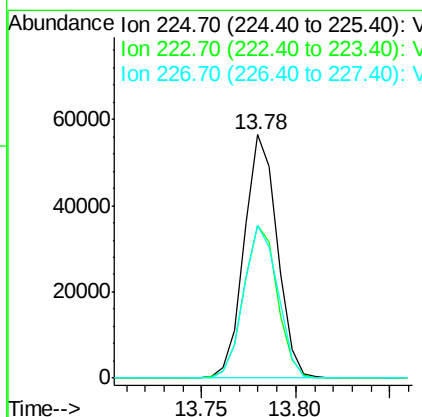
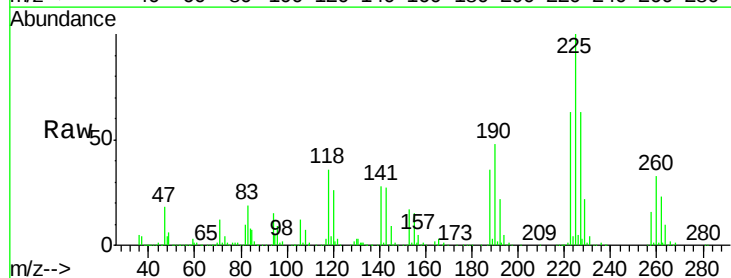
Manual Integrations
 APPROVED

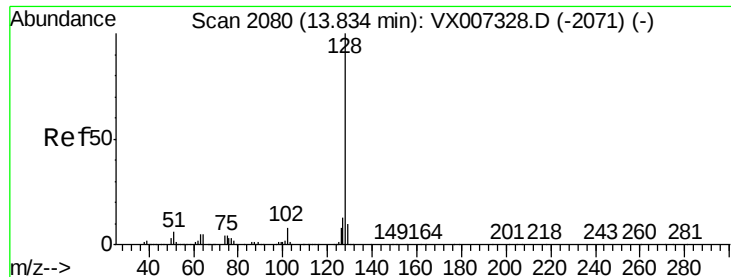
MMDadoda
 2/19/2019 11:01:12 AM



#94
 Hexachlorobutadiene
 Concen: 18.806 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007579.D
 Acq: 18 Feb 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68615		
223	63.7	31.6	94.8	
227	64.5	32.1	96.3	





#95

Naphthalene

Concen: 18.600 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Instrument :

MSVOA_X

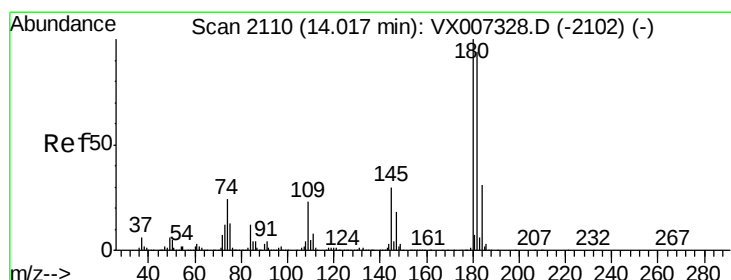
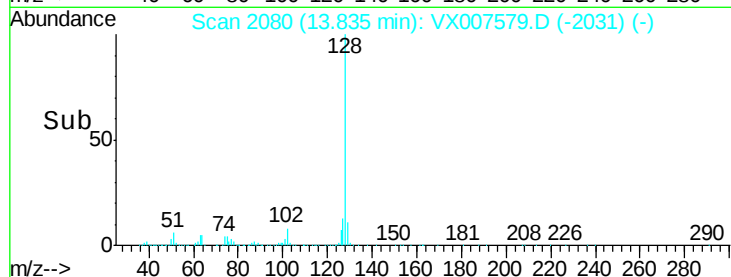
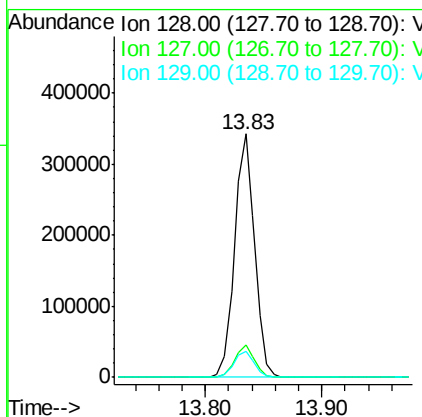
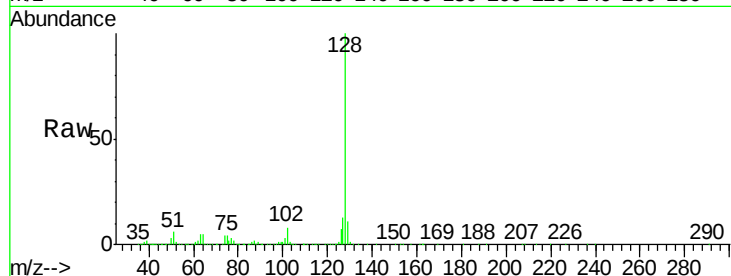
ClientSampleId :

VX0218WBS01

Tot Ion:	128	Resp:	408694
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:01:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.199 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007579.D

Acq: 18 Feb 2019 11:05

Tgt Ion:	180	Resp:	137650
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.5	142.6
145	29.9	14.9	44.5

