

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011639.D
 Acq On : 19 Aug 2019 18:03
 Operator : JC/SP
 Sample : K4351-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 3:41:48 PM

Quant Time: Aug 20 11:40:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	304021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	476980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	410944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	244760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	159833	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	5.49	113	145013	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
50) Toluene-d8	8.71	98	486996	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.13	95	197333	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	164421	55.021	ug/l	99
3) Chloromethane	1.32	50	170967	55.083	ug/l	99
4) Vinyl Chloride	1.40	62	155889	55.600	ug/l	99
5) Bromomethane	1.63	94	74688	59.451	ug/l	96
6) Chloroethane	1.71	64	80859	60.934	ug/l	99
7) Trichlorofluoromethane	1.92	101	224449	57.795	ug/l	99
8) Diethyl Ether	2.18	74	78854	59.192	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	132714	49.476	ug/l	99
10) Methyl Iodide	2.50	142	202633	53.029	ug/l	100
11) Tert butyl alcohol	3.04	59	206640	298.752	ug/l	99
12) 1,1-Dichloroethene	2.37	96	150157	57.925	ug/l	94
13) Acrolein	2.29	56	70519	327.380	ug/l	87
14) Allyl chloride	2.72	41	258089	59.851	ug/l	99
15) Acrylonitrile	3.13	53	492171	310.901	ug/l	98
16) Acetone	2.43	43	408692	288.290	ug/l	100
17) Carbon Disulfide	2.56	76	341927	55.977	ug/l	100
18) Methyl Acetate	2.76	43	260576	59.267	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	520304	61.628	ug/l #	47
20) Methylene Chloride	2.85	84	168219	56.515	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	160136	58.294	ug/l	96
22) Diisopropyl ether	3.85	45	518033	60.322	ug/l	97
23) Vinyl Acetate	3.81	43	1937316	284.884	ug/l	100
24) 1,1-Dichloroethane	3.69	63	286269	58.959	ug/l	99
25) 2-Butanone	4.66	43	669336	300.747	ug/l	96
26) 2,2-Dichloropropane	4.57	77	185154	50.667	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	192905	60.238	ug/l	97
28) Bromochloromethane	5.01	49	116309	54.568	ug/l	99
29) Tetrahydrofuran	5.12	42	439393	300.971	ug/l	99
30) Chloroform	5.20	83	303346	59.199	ug/l	98
31) Cyclohexane	5.57	56	4509394	1078.690	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	267120	60.626	ug/l	99
36) 1,1-Dichloropropene	5.79	75	211032	51.747	ug/l	98
37) Ethyl Acetate	4.82	43	237575	50.649	ug/l	99
38) Carbon Tetrachloride	5.77	117	227866	50.716	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081919\
 Data File : VX011639.D
 Acq On : 19 Aug 2019 18:03
 Operator : JC/SP
 Sample : K4351-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 PH2-0142MS

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 3:41:48 PM

Quant Time: Aug 20 11:40:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	4002692	794.786	ug/l	99
40) Benzene	6.13	78	645156	50.907	ug/l	100
41) Methacrylonitrile	5.03	41	141861	54.951	ug/l	98
42) 1,2-Dichloroethane	6.19	62	243792	55.524	ug/l	99
43) Isopropyl Acetate	6.44	43	387256	52.902	ug/l	96
44) Trichloroethene	7.21	130	196927	52.381	ug/l	98
45) 1,2-Dichloropropane	7.51	63	167056	52.856	ug/l	96
46) Dibromomethane	7.66	93	118347	51.528	ug/l	99
47) Bromodichloromethane	7.90	83	224259	53.178	ug/l	99
48) Methyl methacrylate	7.76	41	203622	56.170	ug/l #	42
49) 1,4-Dioxane	7.74	88	96191	997.635	ug/l #	93
51) 4-Methyl-2-Pentanone	8.64	43	1332322	278.065	ug/l	100
52) Toluene	8.79	92	6881886	852.366	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	239511	54.724	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	262651	54.836	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	164910	48.031	ug/l	99
56) Ethyl methacrylate	9.18	69	282309	56.572	ug/l #	89
57) 1,3-Dichloropropane	9.37	76	284335	52.098	ug/l	100
59) 2-Hexanone	9.49	43	1000785	270.854	ug/l	100
60) Dibromochloromethane	9.58	129	198264	55.423	ug/l	98
61) 1,2-Dibromoethane	9.67	107	193835	52.898	ug/l	100
64) Tetrachloroethene	9.34	164	170380	50.532	ug/l	99
65) Chlorobenzene	10.14	112	447293	51.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	172877	52.770	ug/l	100
67) Ethyl Benzene	10.25	91	19714899m	1347.746	ug/l	
68) m/p-Xylenes	10.37	106	25394629m	4522.628	ug/l	
69) o-Xylene	10.71	106	6380083	1159.995	ug/l	88
70) Stvrene	10.71	104	800926	86.502	ug/l #	1
71) Bromoform	10.86	173	140704	44.579	ug/l #	99
73) Isopropylbenzene	11.02	105	3705712	233.326	ug/l	99
74) N-amyl acetate	10.90	43	309120	45.800	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	274881	50.312	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	309515	66.688	ug/l	85
77) Bromobenzene	11.26	156	234197	49.563	ug/l	95
78) n-propylbenzene	11.36	91	3895003	227.436	ug/l	99
79) 2-Chlorotoluene	11.43	91	1780487m	169.311	ug/l	
80) 1,3,5-Trimethylbenzene	11.51	105	4022219	301.481	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	74740	44.196	ug/l	95
82) 4-Chlorotoluene	11.51	91	976873	80.070	ug/l	78
83) tert-Butylbenzene	11.77	119	701207	51.605	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	8839890	659.994	ug/l	94
85) sec-Butylbenzene	11.94	105	945991	61.706	ug/l	97
86) p-Isopropyltoluene	12.06	119	877749	60.859	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	407723	50.200	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	422809	51.362	ug/l	97
89) n-Butylbenzene	12.38	91	733666	61.875	ug/l	88
90) Hexachloroethane	12.60	117	139529	61.263	ug/l	73
91) 1,2-Dichlorobenzene	12.39	146	414012	50.780	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	65420	52.338	ug/l	89
93) 1,2,4-Trichlorobenzene	13.65	180	301976	49.709	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
Data File : VX011639.D
Acq On : 19 Aug 2019 18:03
Operator : JC/SP
Sample : K4351-02MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

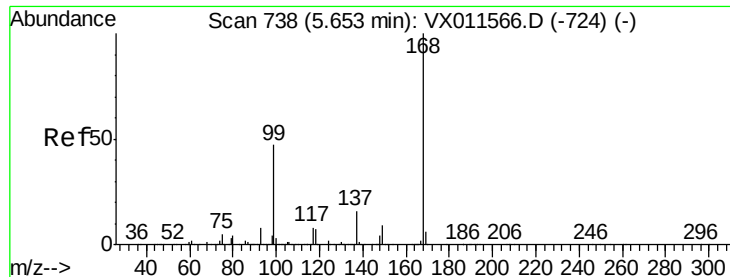
Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM

Quant Time: Aug 20 11:40:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	130766	39.532	ug/l	99
95) Naphthalene	13.83	128	2957591	172.215	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	308847	50.406	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

Tot Ion:168 Resp: 304021

Ion Ratio Lower Upper

168 100

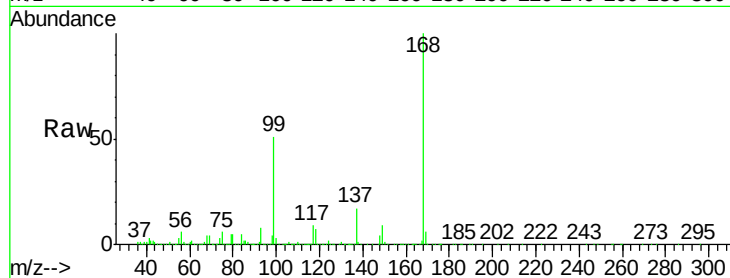
99 50.8 37.3 55.9

Manual Integrations

APPROVED

MMDadoda

8/20/2019 3:41:48 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

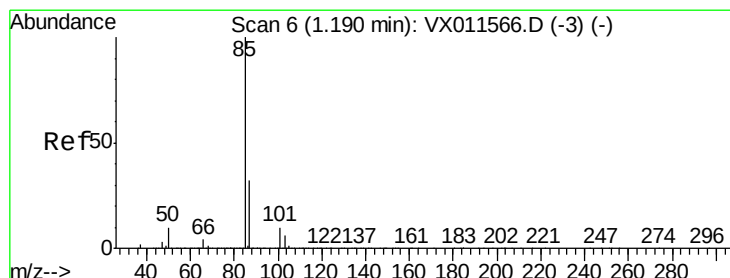
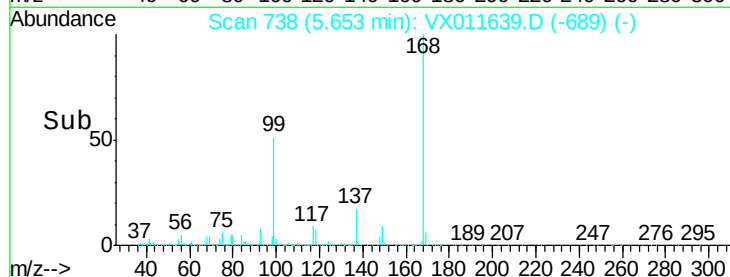
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 55.021 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011639.D

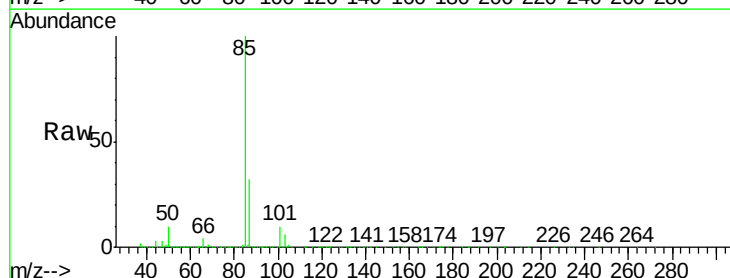
Acq: 19 Aug 2019 18:03

Tgt Ion: 85 Resp: 164421

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200000

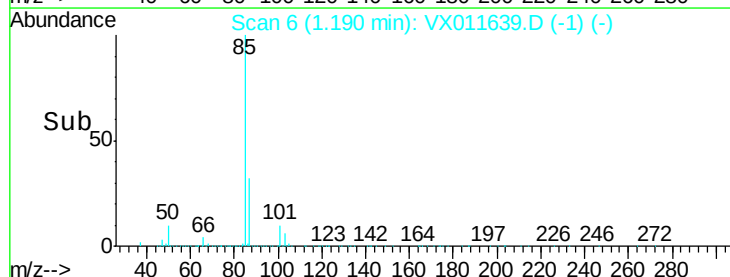
150000

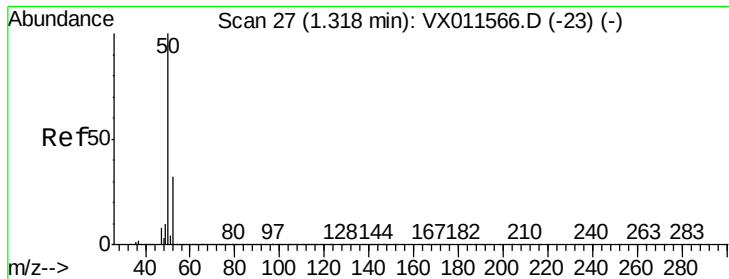
100000

50000

0

Time-->





#3

Chloromethane

Concen: 55.083 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

Tot Ion: 50 Resp: 170967

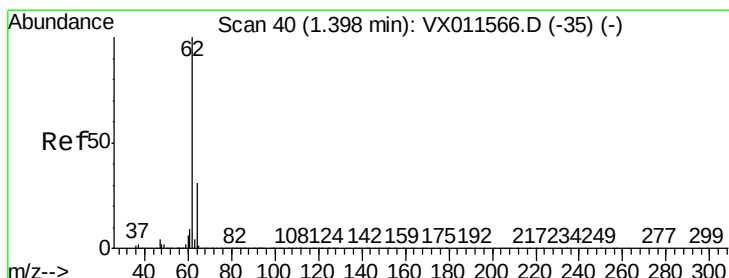
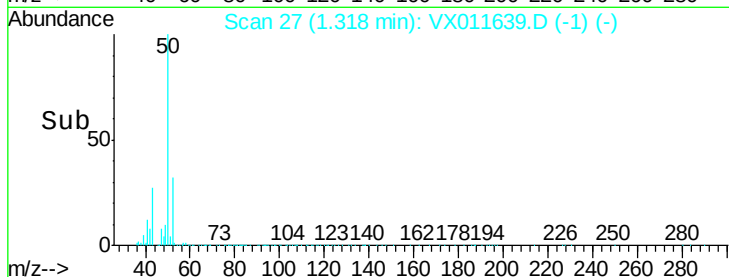
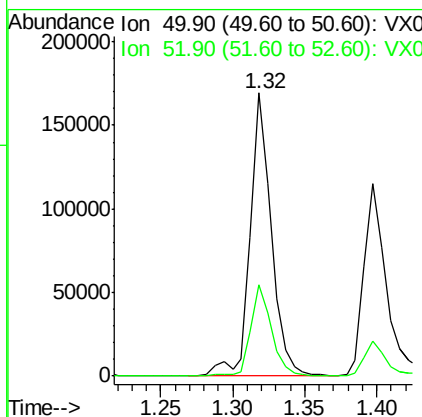
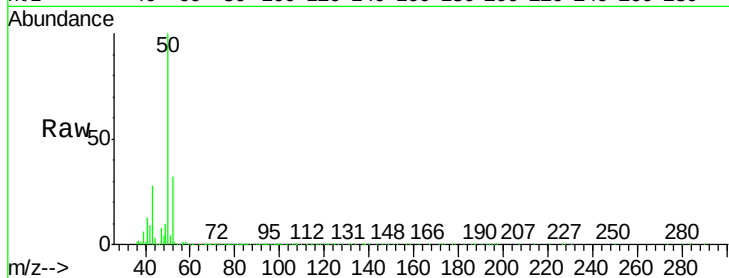
Ion Ratio Lower Upper

50 100

52 32.1 26.0 39.0

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#4

Vinyl Chloride

Concen: 55.600 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011639.D

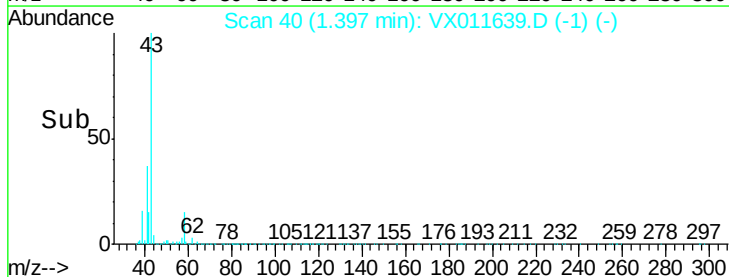
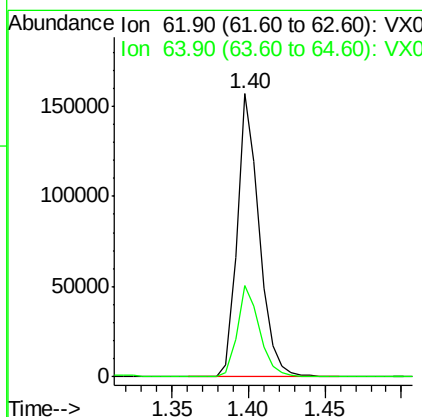
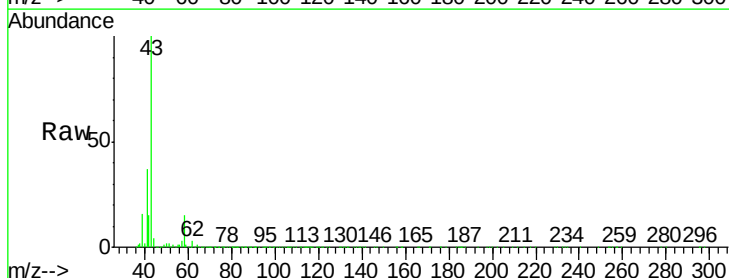
Acq: 19 Aug 2019 18:03

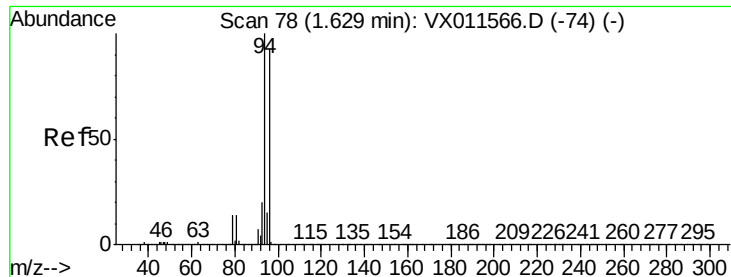
Tgt Ion: 62 Resp: 155889

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.4





#5

Bromomethane

Concen: 59.451 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

Tot Ion: 94 Resp: 74688

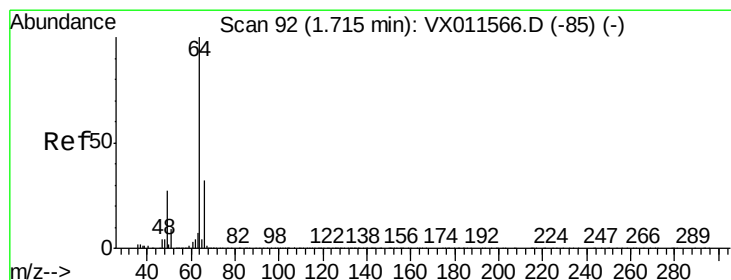
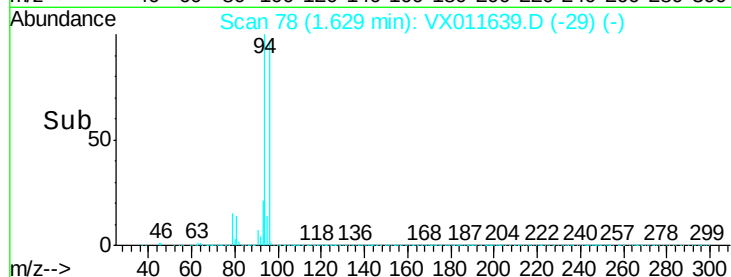
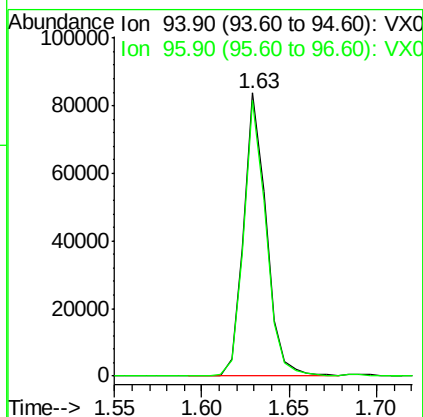
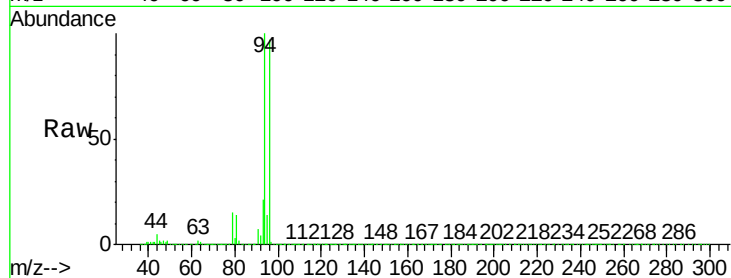
Ion Ratio Lower Upper

94 100

96 97.4 74.8 112.2

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#6

Chloroethane

Concen: 60.934 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011639.D

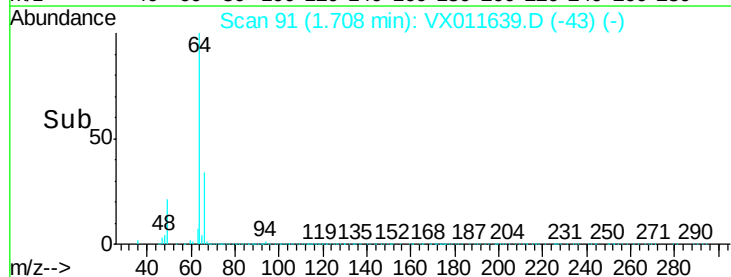
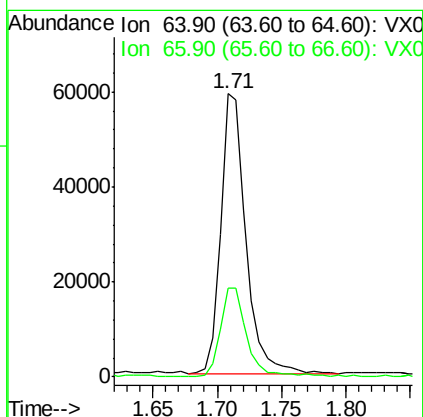
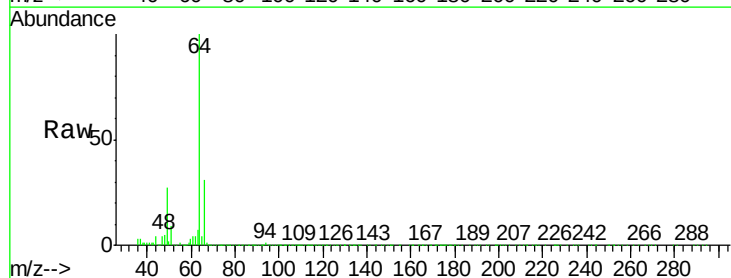
Acq: 19 Aug 2019 18:03

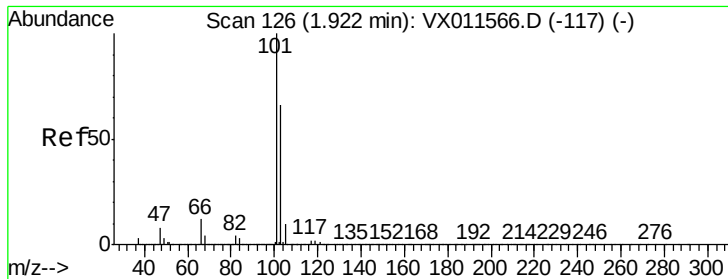
Tgt Ion: 64 Resp: 80859

Ion Ratio Lower Upper

64 100

66 31.2 25.3 37.9





#7

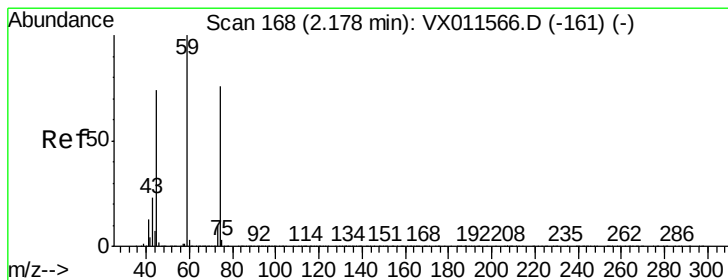
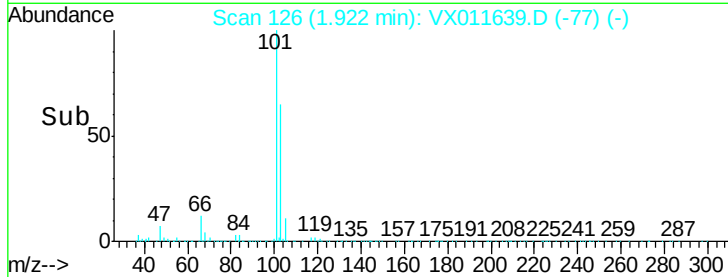
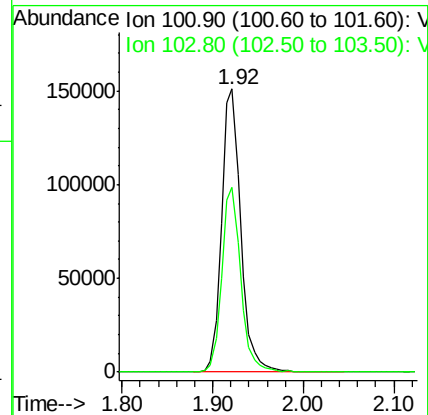
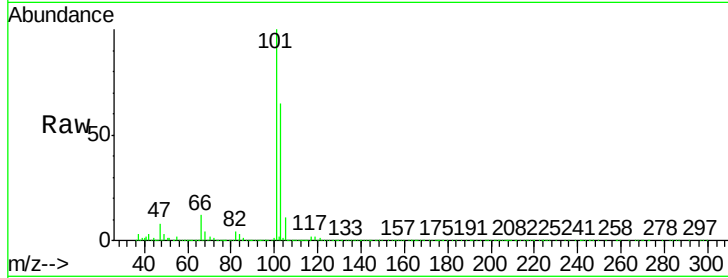
Trichlorofluoromethane
Concen: 57.795 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.9	79.3

Manual Integrations
APPROVED

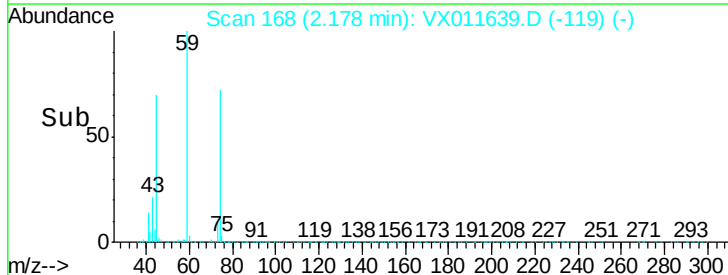
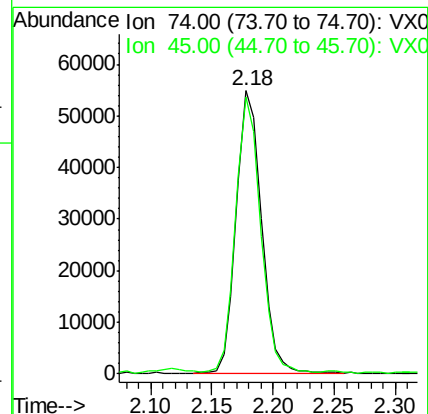
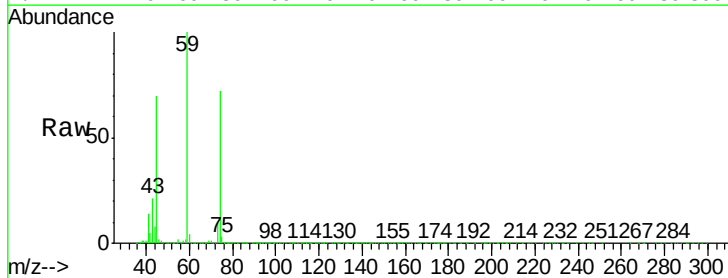
MMDadoda
8/20/2019 3:41:48 PM

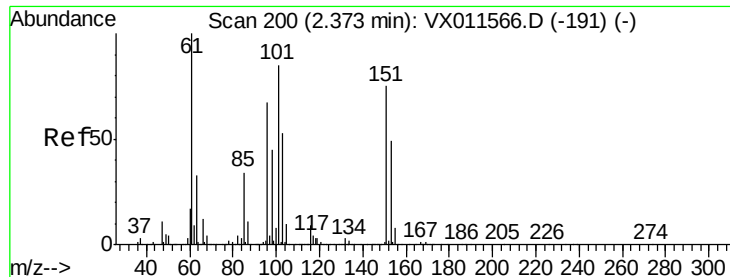


#8

Diethyl Ether
Concen: 59.192 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.476 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

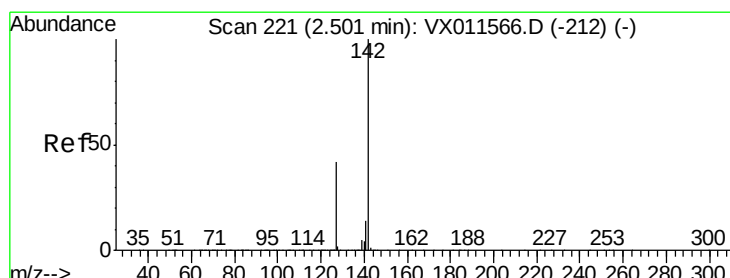
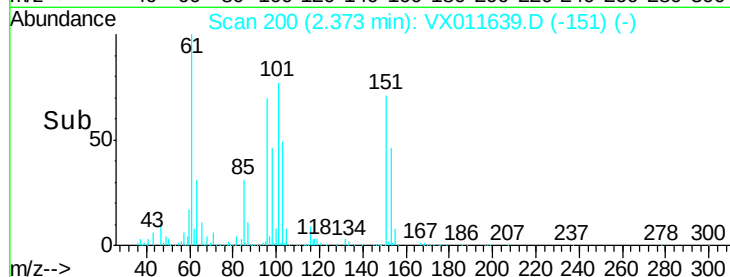
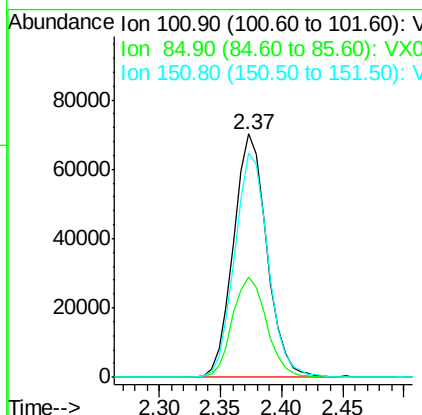
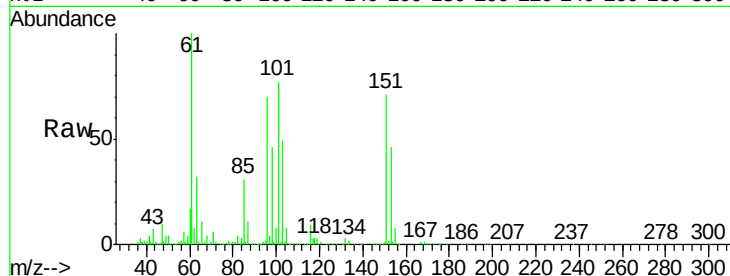
ClientSampleId :

PH2-0142MS

Tot Ion:	101	Resp:	132714
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.0	49.4
151	92.9	73.3	109.9

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#10

Methyl Iodide

Concen: 53.029 ug/l

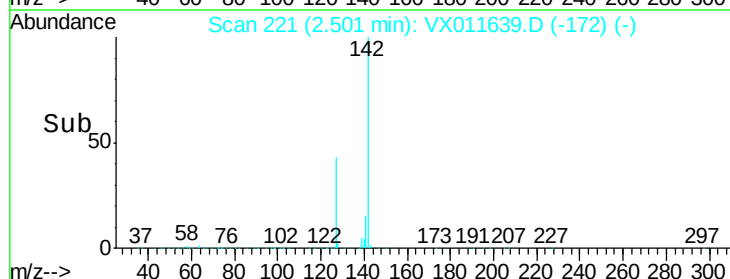
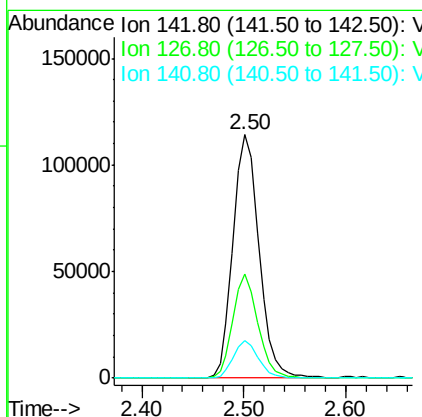
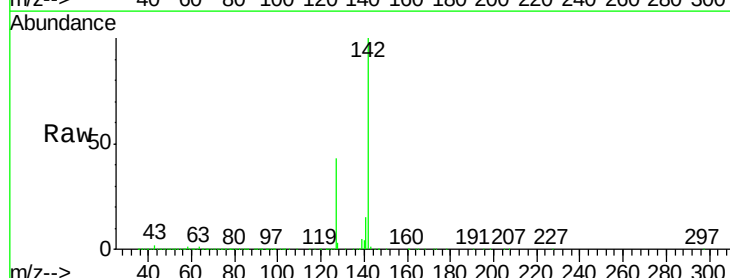
RT: 2.50 min Scan# 221

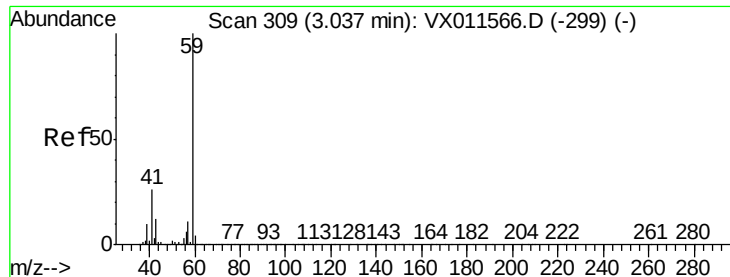
Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion:	142	Resp:	202633
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.8	49.2
141	15.0	11.4	17.2





#11

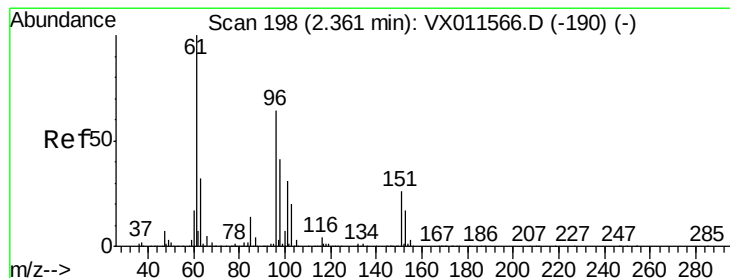
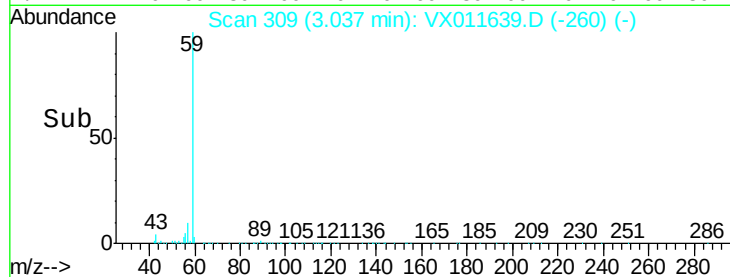
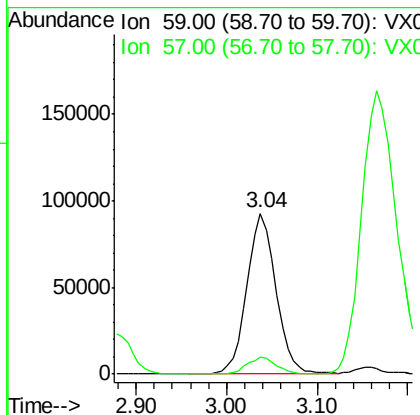
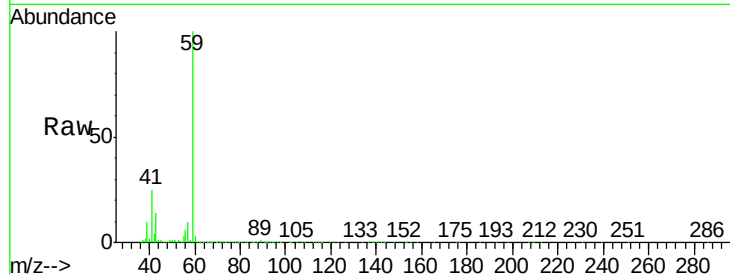
Tert butyl alcohol
Concen: 298.752 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	59	Resp	206640
Ion Ratio	100	Lower	Upper
57	10.5	8.7	13.1

Manual Integrations
APPROVED

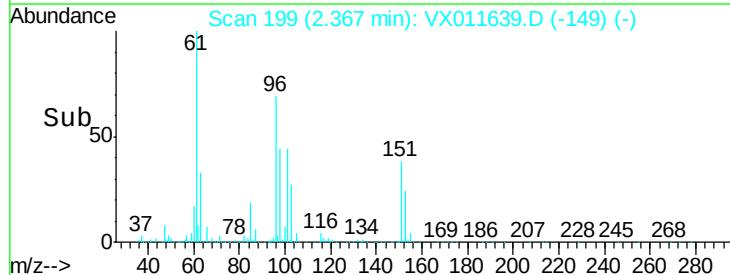
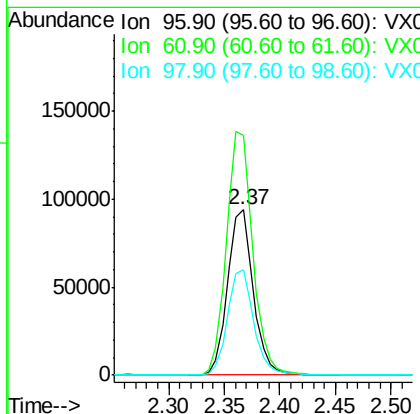
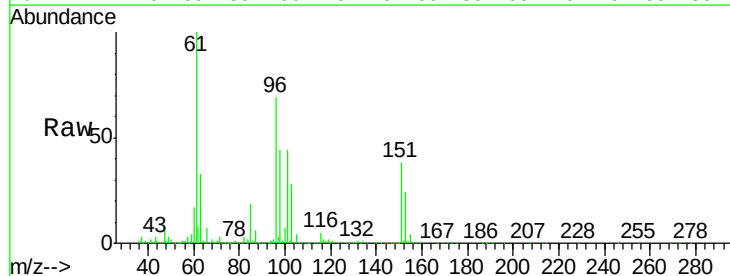
MMDadoda
8/20/2019 3:41:48 PM

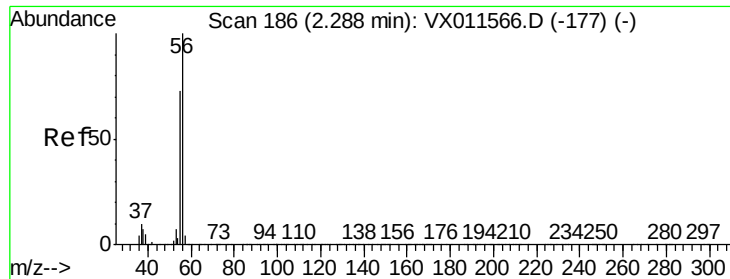


#12

1,1-Dichloroethene
Concen: 57.925 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	96	Resp	150157
Ion Ratio	100	Lower	Upper
61	144.9	125.0	187.4
98	63.9	51.5	77.3





#13

Acrolein

Concen: 327.380 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

Tot Ion: 56 Resp: 70519

Ion Ratio Lower Upper

56 100

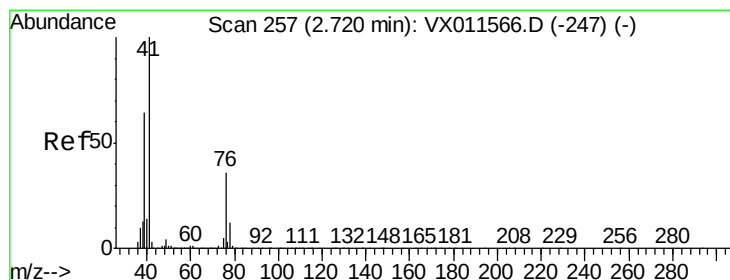
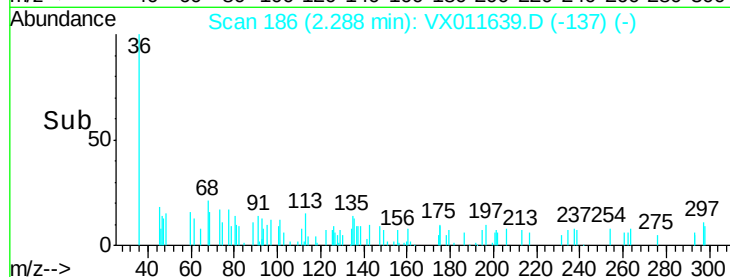
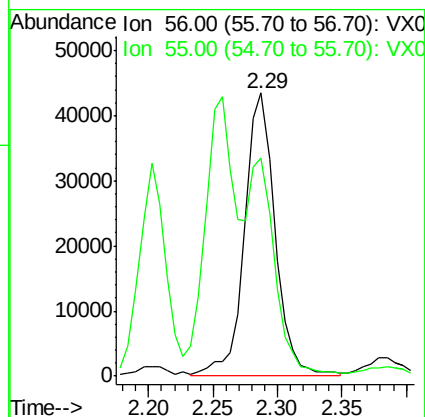
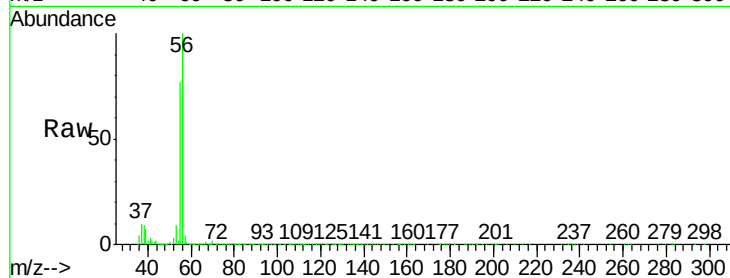
55 58.5 55.5 83.3

Manual Integrations

APPROVED

MMDadoda

8/20/2019 3:41:48 PM



#14

Allyl chloride

Concen: 59.851 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

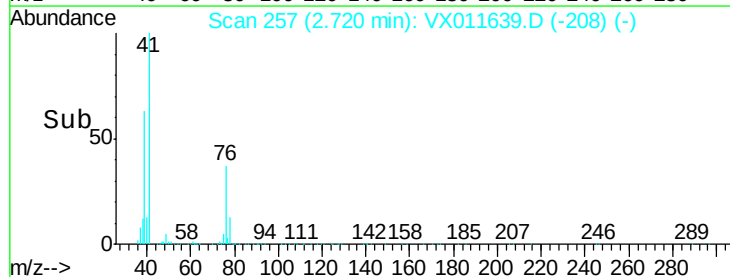
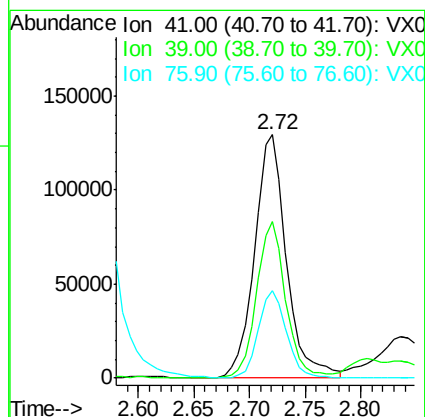
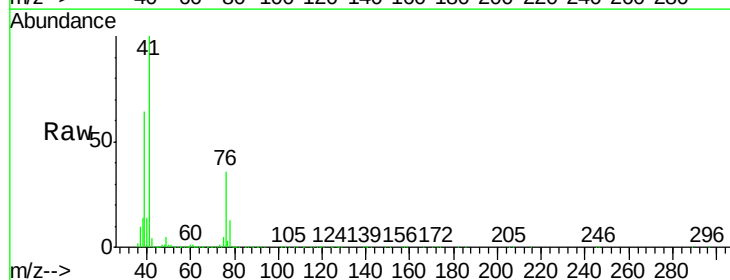
Tgt Ion: 41 Resp: 258089

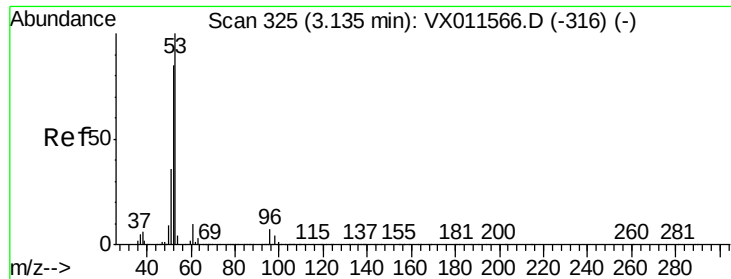
Ion Ratio Lower Upper

41 100

39 58.8 47.5 71.3

76 31.6 26.3 39.5





#15

Acrylonitrile

Concen: 310.901 ug/l

RT: 3.13 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

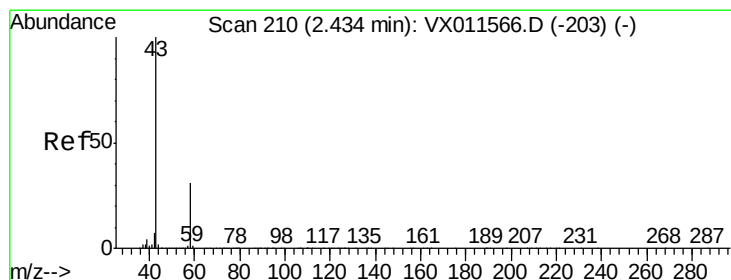
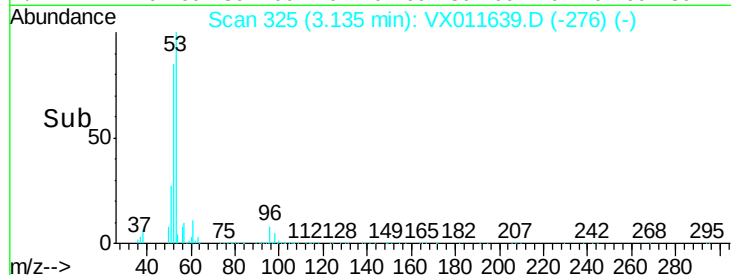
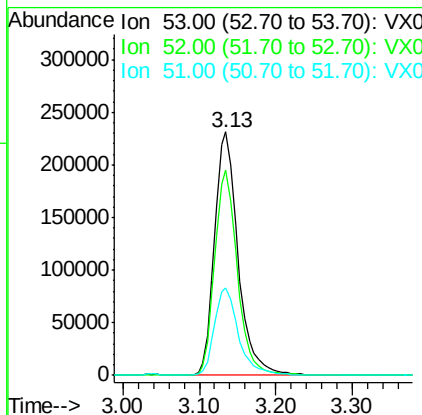
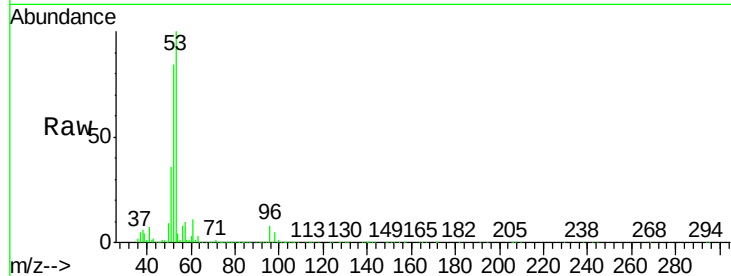
ClientSampleId :

PH2-0142MS

Tot Ion:	53	Resp:	492171
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.7	100.1
51	36.6	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#16

Acetone

Concen: 288.290 ug/l

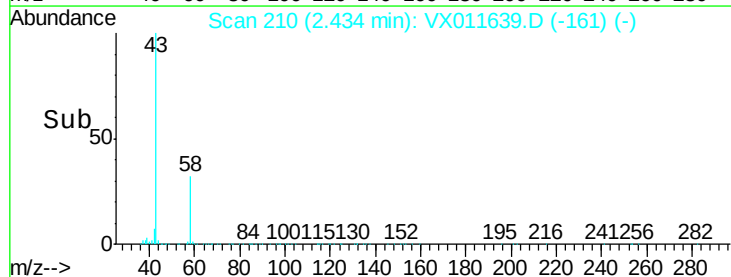
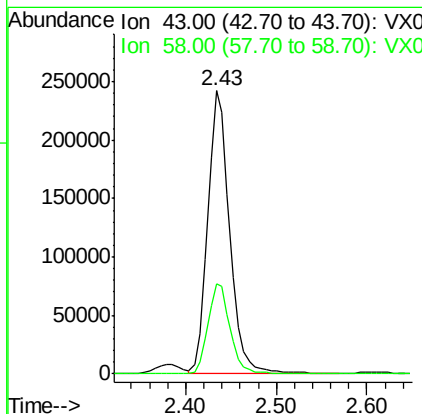
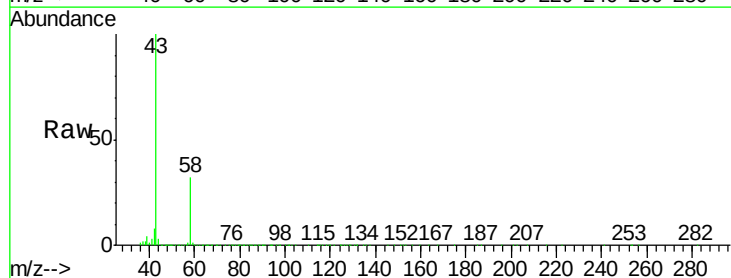
RT: 2.43 min Scan# 210

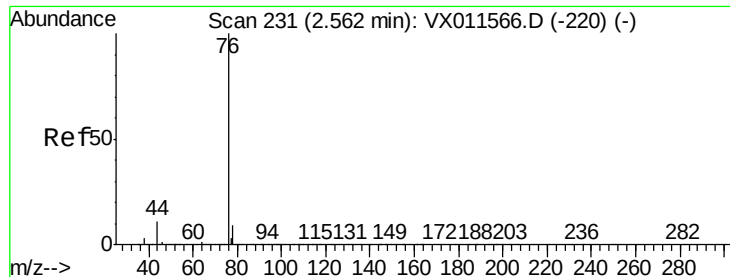
Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion:	43	Resp:	408692
Ion Ratio	Lower	Upper	
43	100		
58	31.7	25.2	37.8





#17

Carbon Disulfide

Concen: 55.977 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

Instrument :

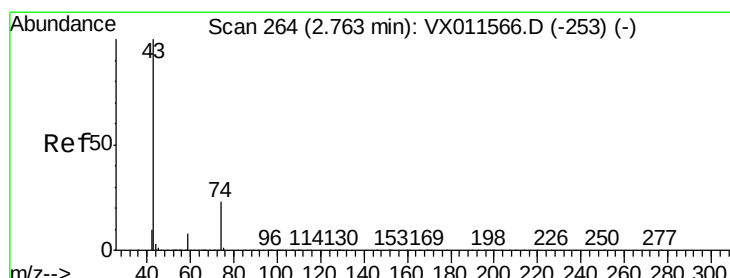
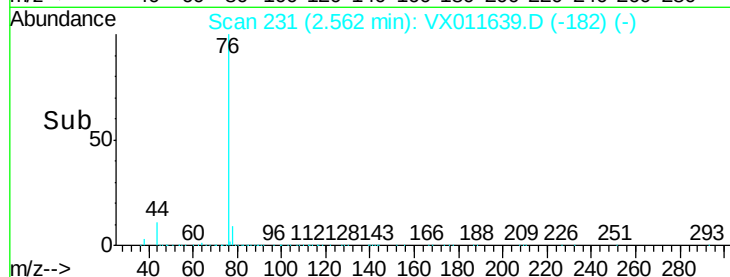
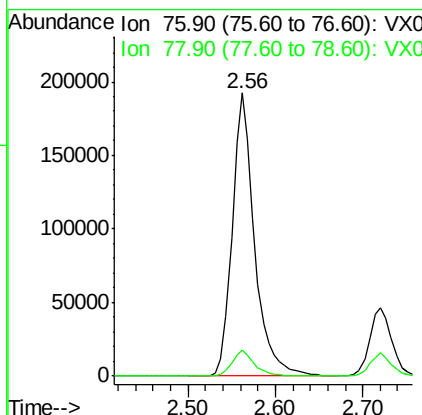
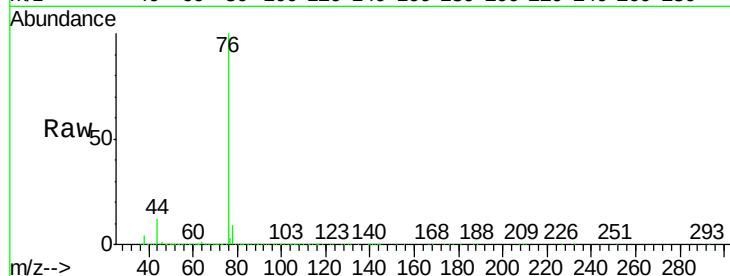
MSVOA_X

ClientSampleId :

PH2-0142MS

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#18

Methyl Acetate

Concen: 59.267 ug/l

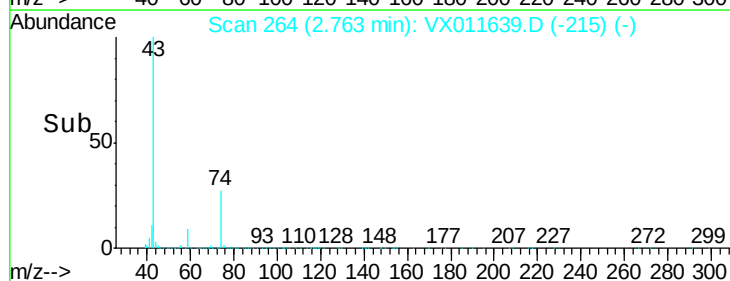
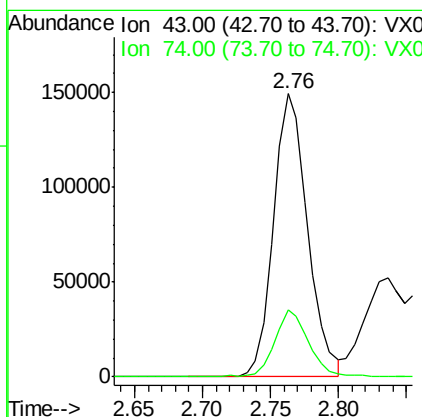
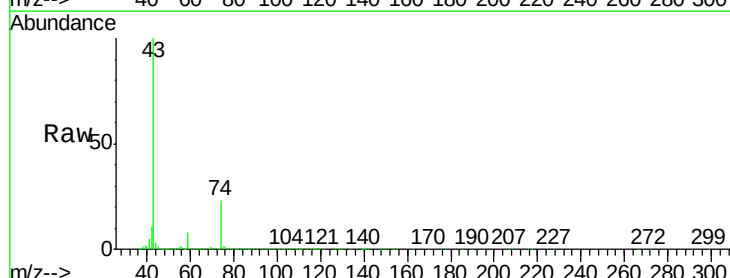
RT: 2.76 min Scan# 264

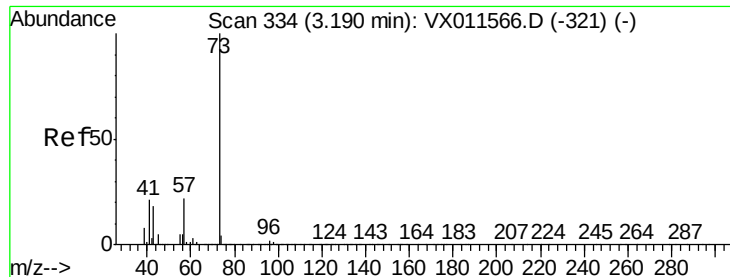
Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.7	29.5





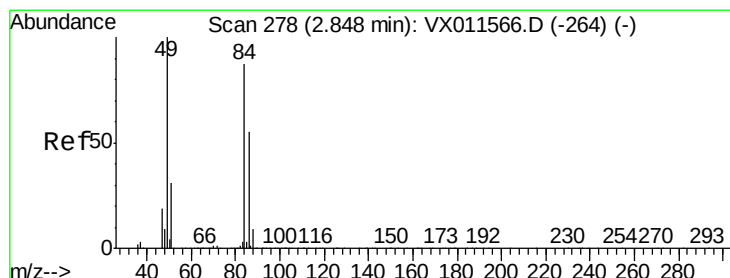
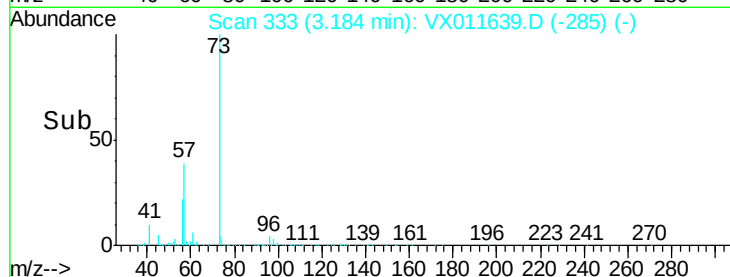
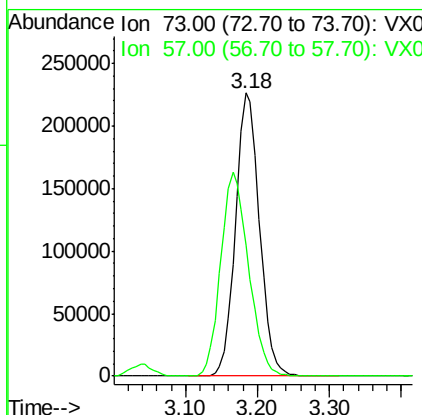
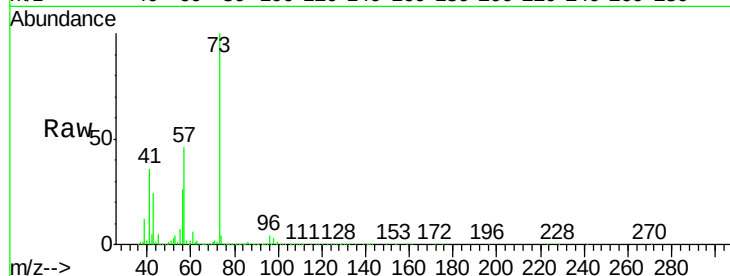
#19
Methyl tert-butyl Ether
Concen: 61.628 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	46.5	17.2	25.8#

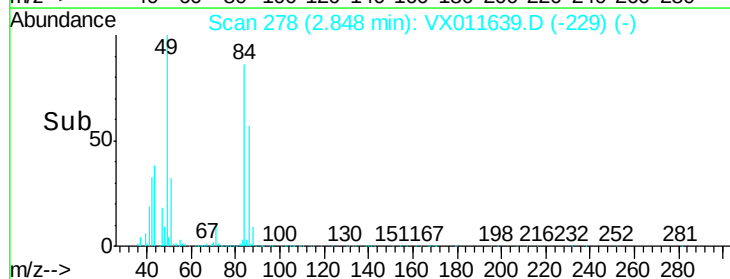
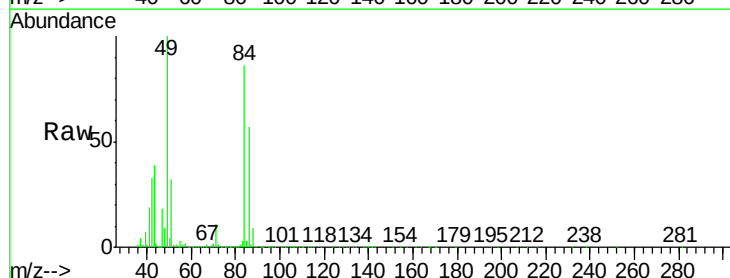
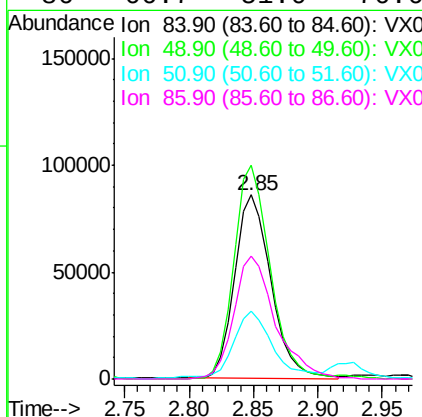
Manual Integrations
APPROVED

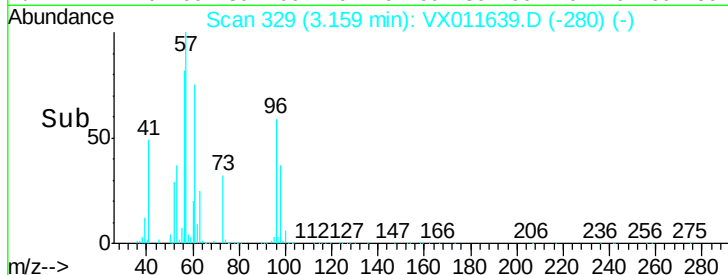
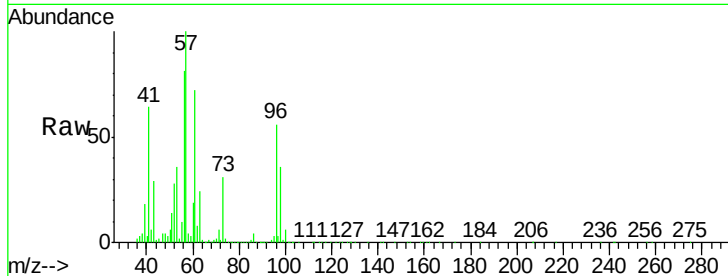
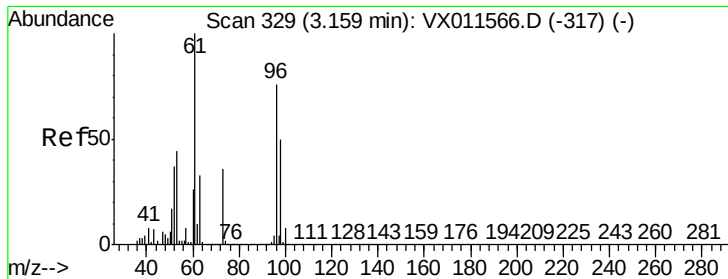
MMDadoda
8/20/2019 3:41:48 PM



#20
Methylene Chloride
Concen: 56.515 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.2	92.4	138.6
51	35.4	28.5	42.7
86	66.7	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 58.294 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tot Ion:	96	Resp:	160136
Ion Ratio	Lower	Upper	
96	100		
61	127.4	105.5	158.3
98	63.1	52.6	78.8

Instrument :

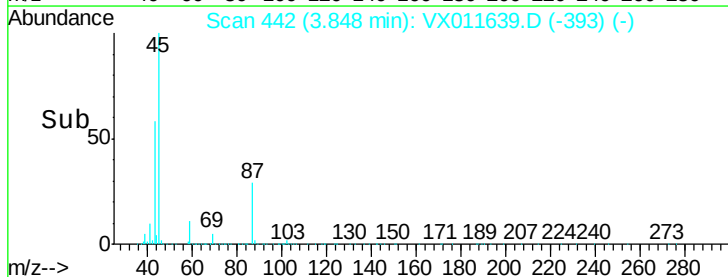
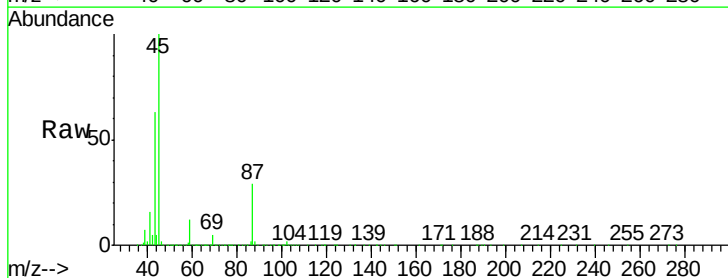
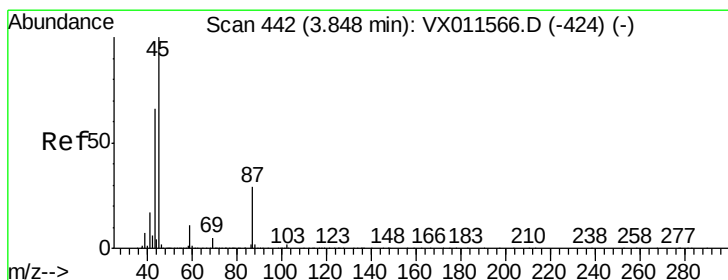
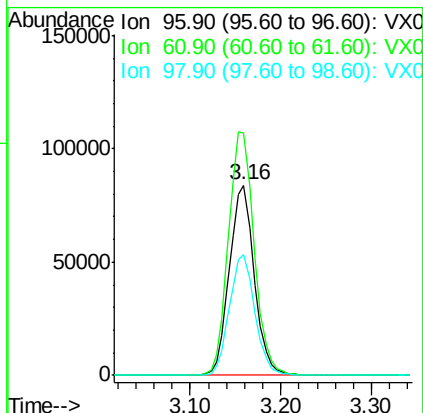
MSVOA_X

ClientSampleId :

PH2-0142MS

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#22

Diisopropyl ether

Concen: 60.322 ug/l

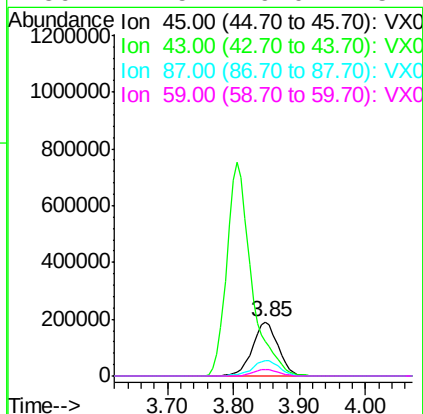
RT: 3.85 min Scan# 442

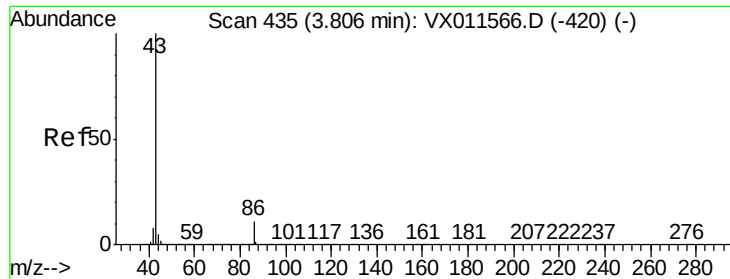
Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion:	45	Resp:	518033
Ion Ratio	Lower	Upper	
45	100		
43	63.0	52.7	79.1
87	28.7	23.5	35.3
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 284.884 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tot Ion: 43 Resp: 1937316

Ion Ratio Lower Upper

43 100

86 11.0 8.6 13.0

Instrument :

MSVOA_X

ClientSampleId :

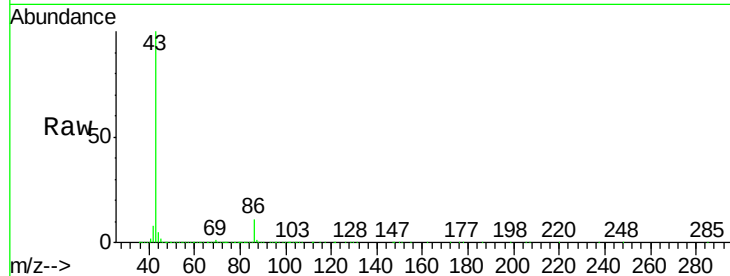
PH2-0142MS

Manual Integrations

APPROVED

MMDadoda

8/20/2019 3:41:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

400000

200000

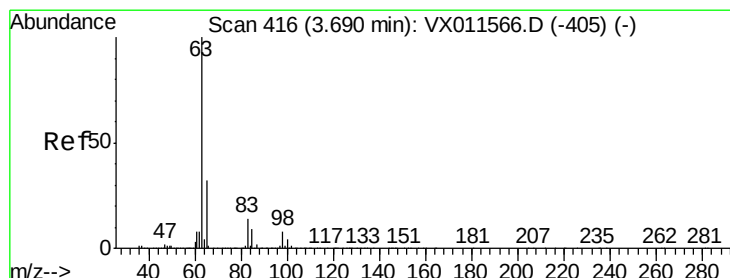
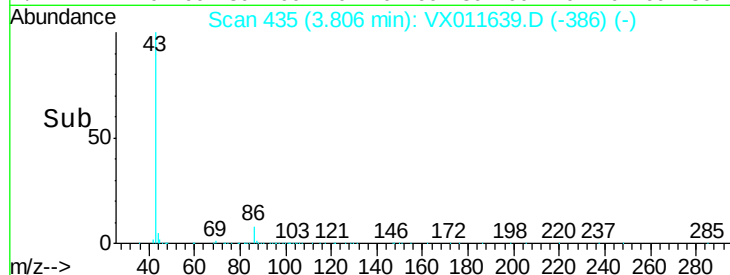
0

3.60

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 58.959 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

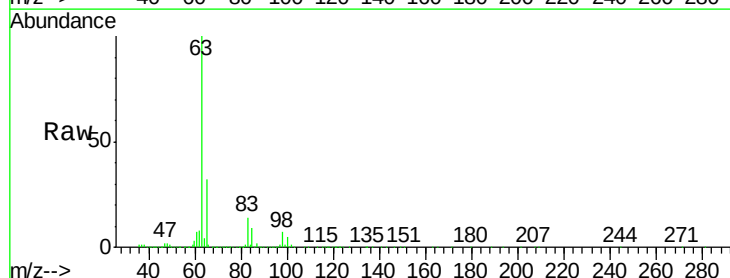
Tgt Ion: 63 Resp: 286269

Ion Ratio Lower Upper

63 100

98 7.1 3.7 11.1

100 4.5 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

100000

50000

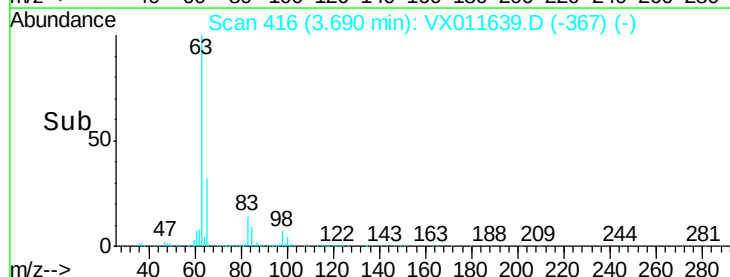
0

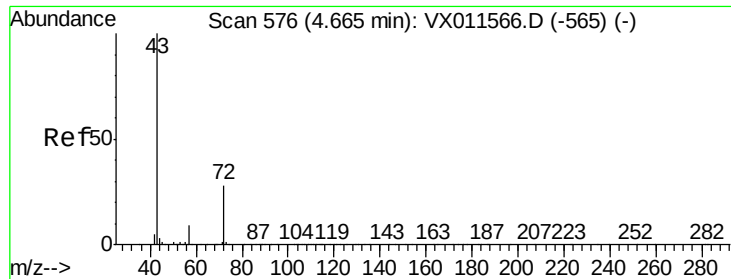
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 300.747 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011639.D

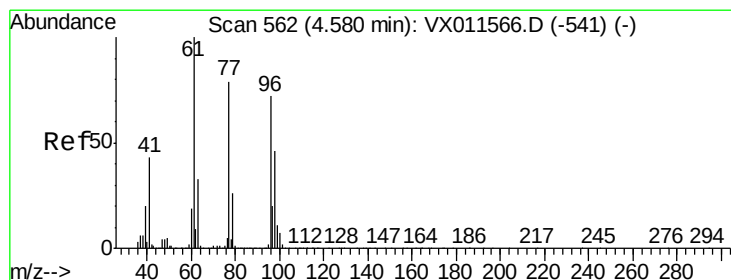
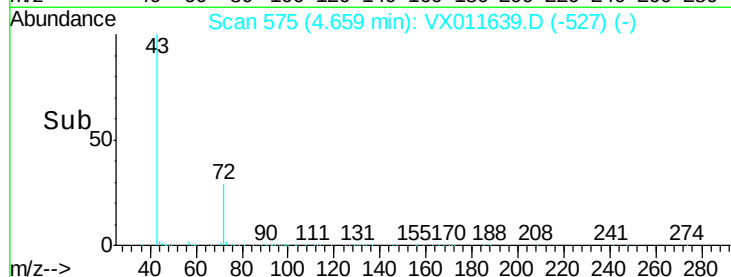
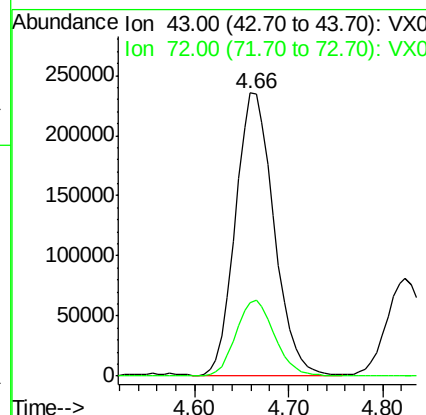
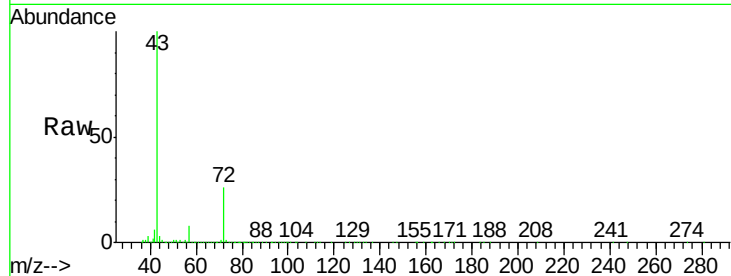
Acq: 19 Aug 2019 18:03

Tot Ion	43	Resp	669336
Ion Ratio	100	Lower	Upper
43	100		
72	25.7	22.2	33.4

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#26

2,2-Dichloropropane

Concen: 50.667 ug/l

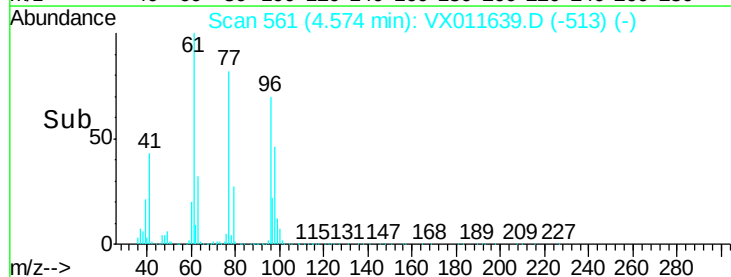
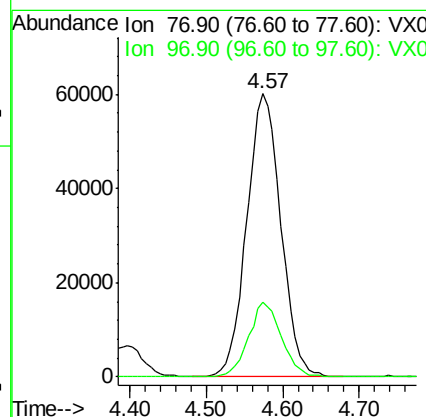
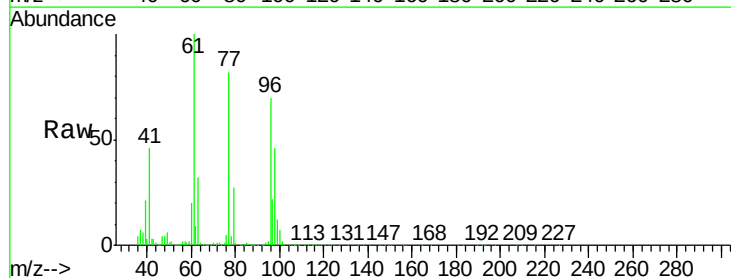
RT: 4.57 min Scan# 561

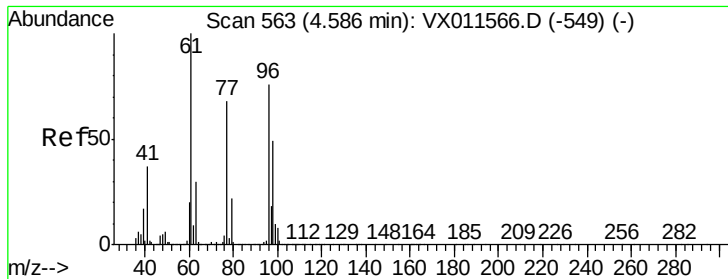
Delta R.T. -0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion	77	Resp	185154
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
77	100		
97	25.7	12.4	37.2





#27

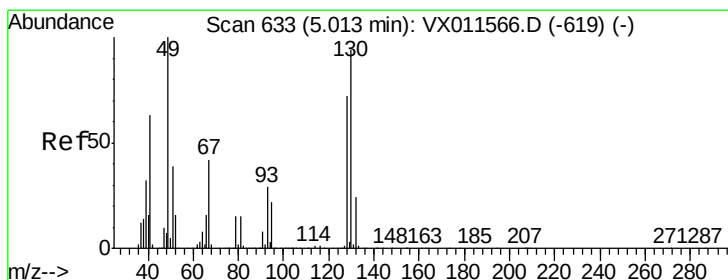
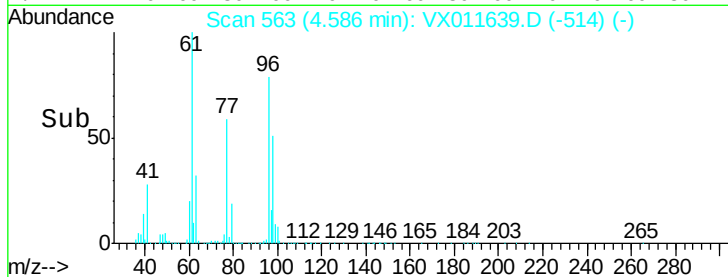
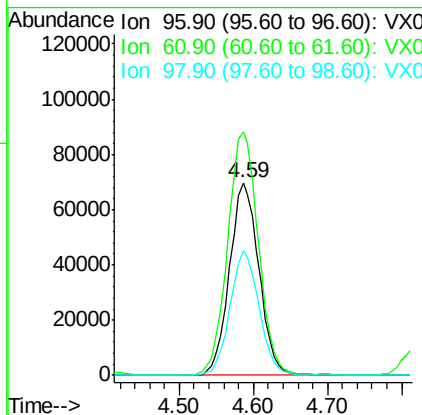
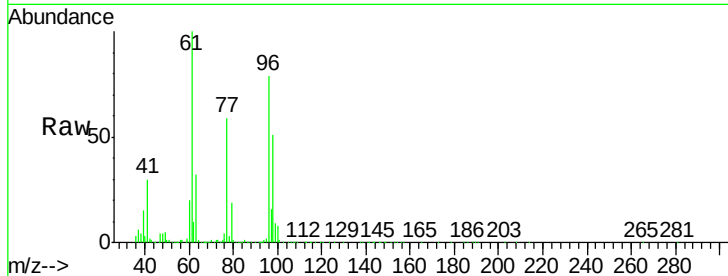
cis-1,2-Dichloroethene
Concen: 60.238 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	192905		
61	131.4	0.0	272.6	
98	64.1	0.0	129.4	

Manual Integrations
APPROVED

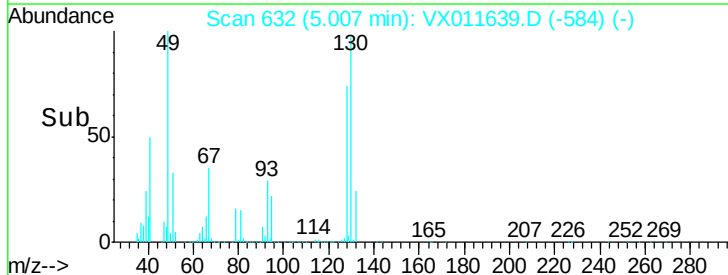
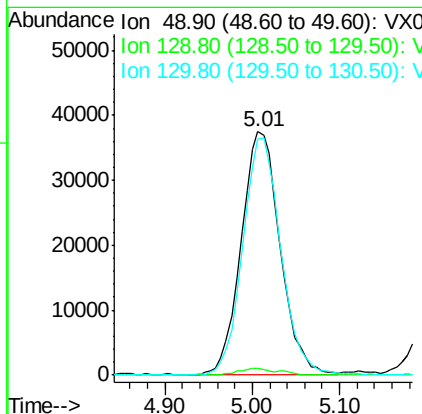
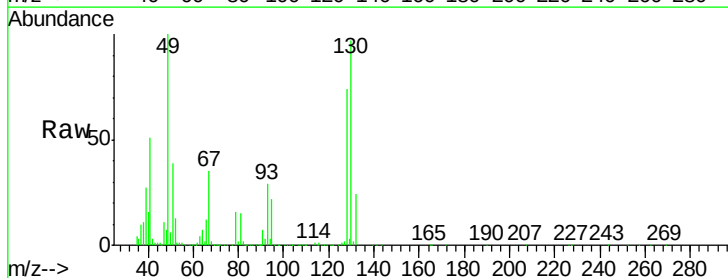
MMDadoda
8/20/2019 3:41:48 PM

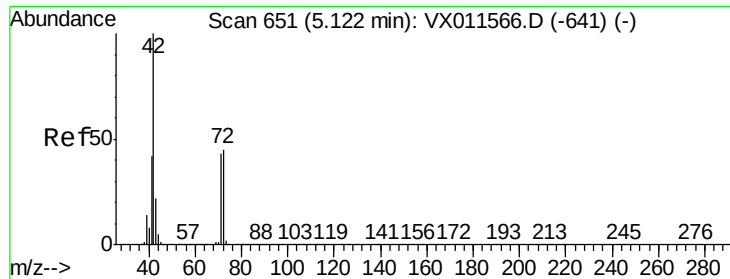


#28

Bromochloromethane
Concen: 54.568 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116309		
129	2.9	0.0	5.0	
130	94.8	76.6	115.0	





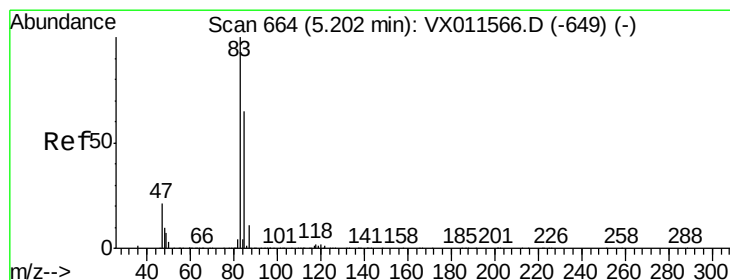
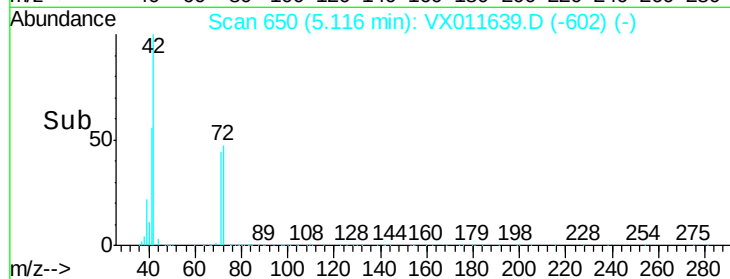
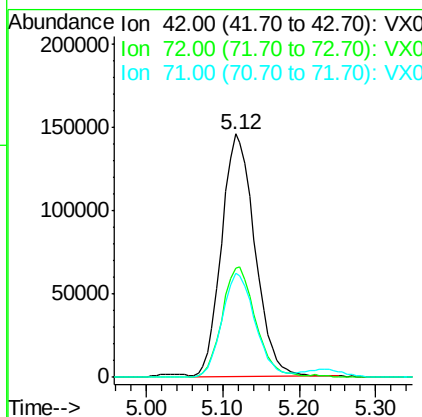
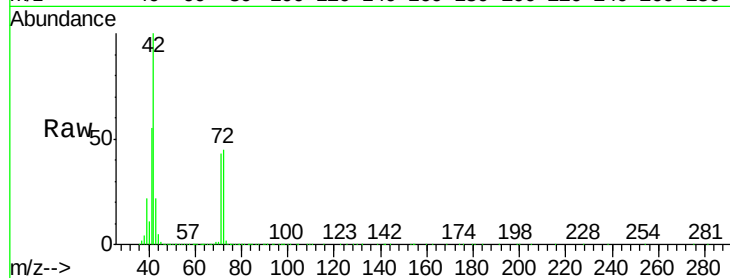
#29
Tetrahydrofuran
Concen: 300.971 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	45.6		36.1	54.1
71	42.6		33.8	50.8

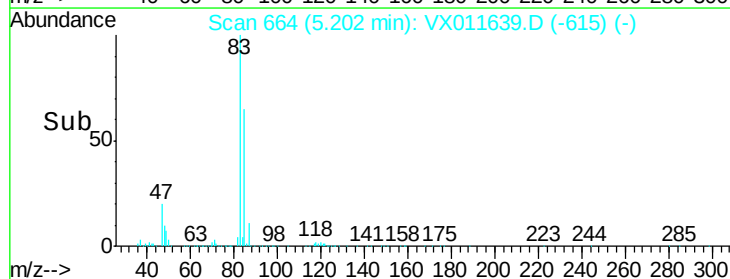
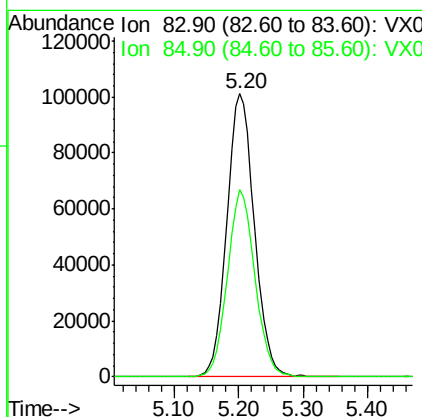
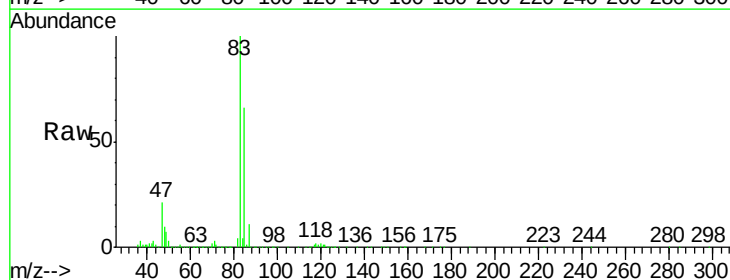
Manual Integrations
APPROVED

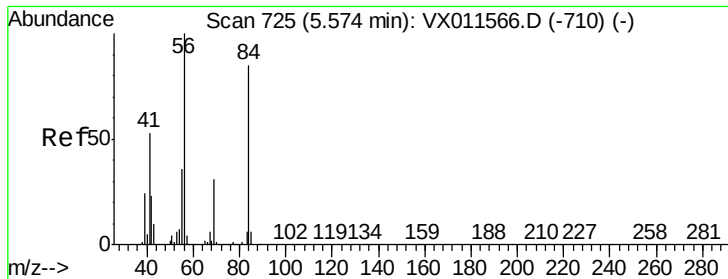
MMDadoda
8/20/2019 3:41:48 PM



#30
Chloroform
Concen: 59.199 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.2		51.9	77.9





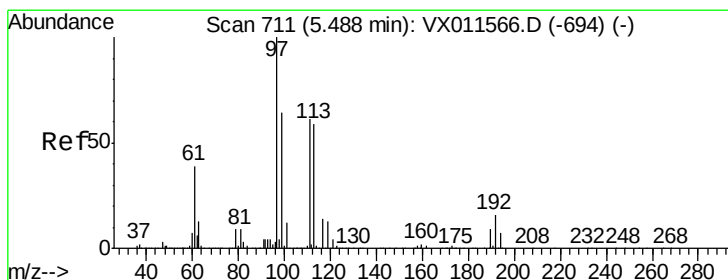
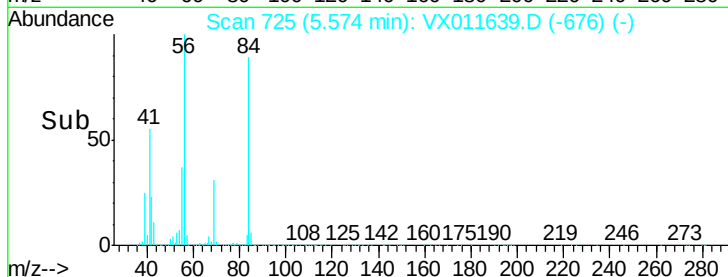
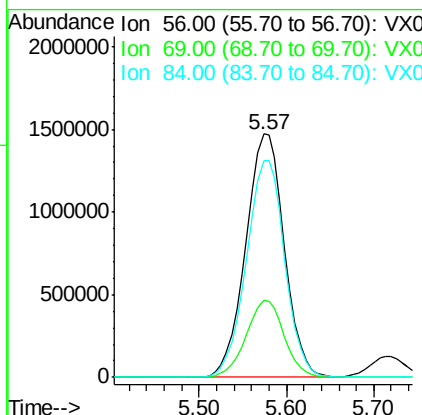
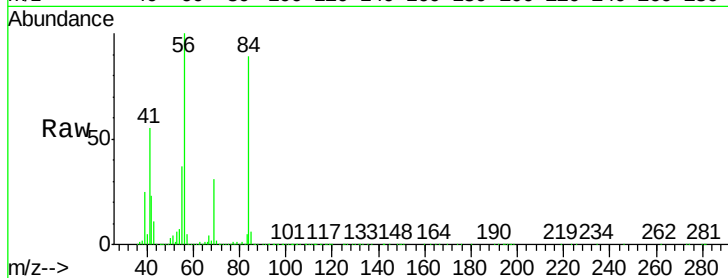
#31
Cyclohexane
Concen: 1078.690 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.8	37.2
84	88.8	67.9	101.9

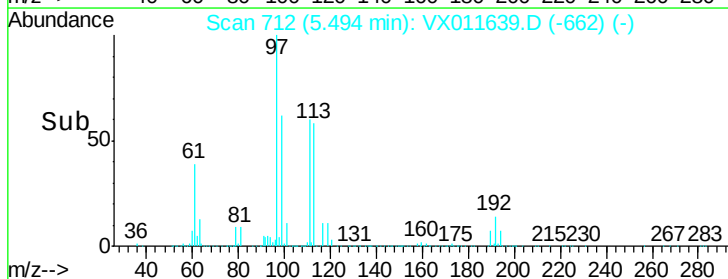
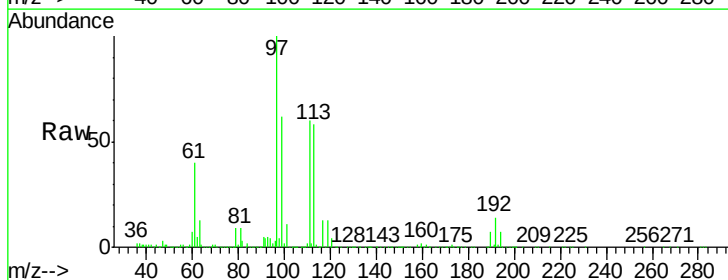
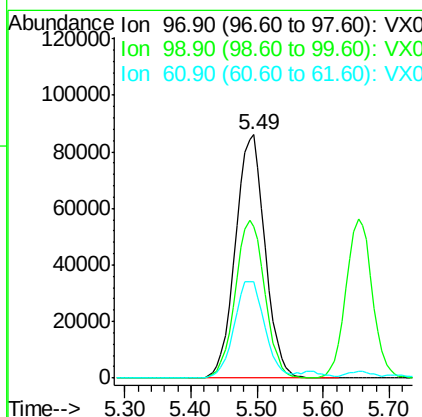
Manual Integrations
APPROVED

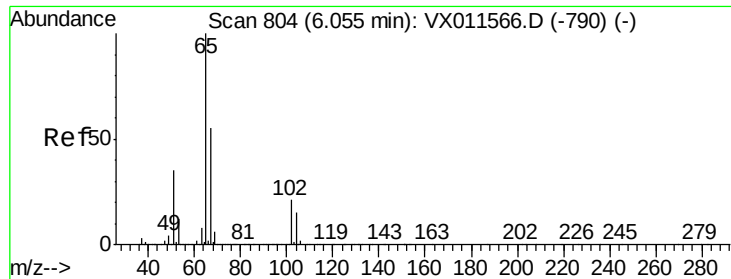
MMDadoda
8/20/2019 3:41:48 PM



#32
1,1,1-Trichloroethane
Concen: 60.626 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	40.9	31.4	47.2





#33

1,2-Dichloroethane-d4

Concen: 56.691 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tot Ion: 65 Resp: 159833

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.6

Instrument :

MSVOA_X

ClientSampleId :

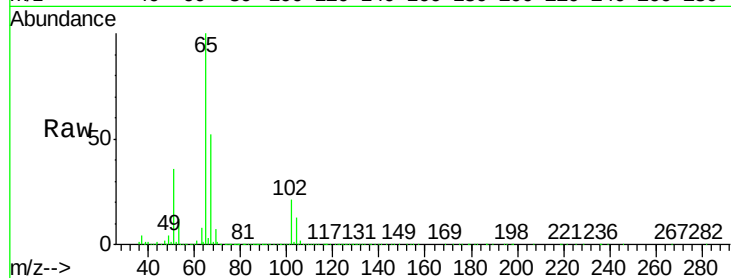
PH2-0142MS

Manual Integrations

APPROVED

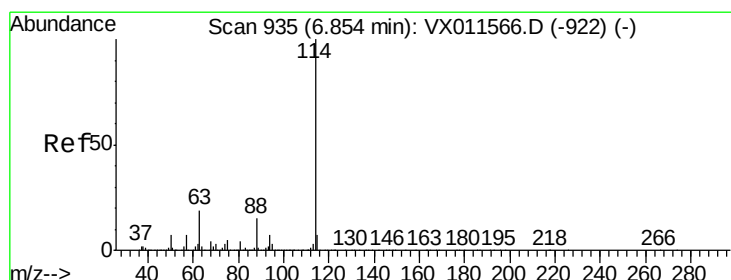
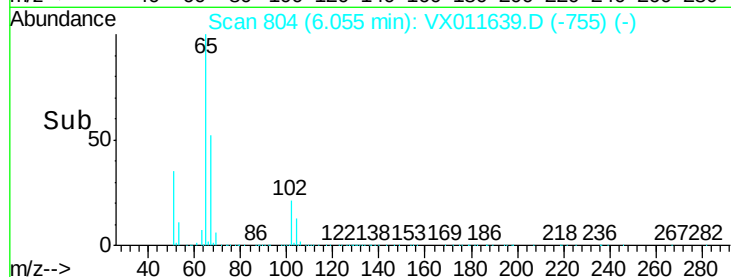
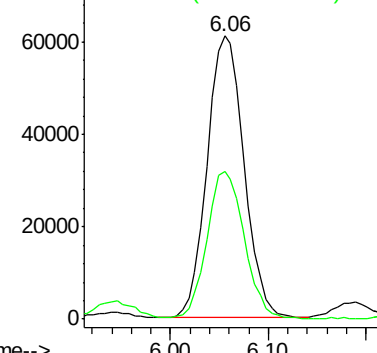
MMDadoda

8/20/2019 3:41:48 PM



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: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

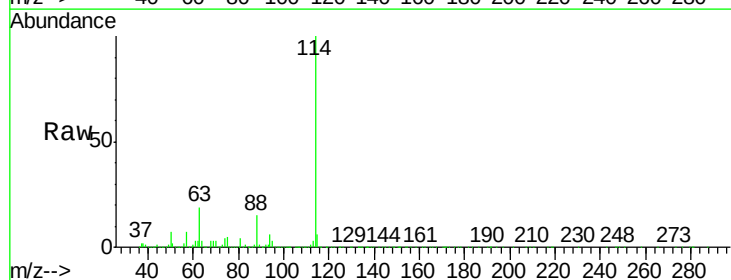
Tgt Ion: 114 Resp: 476980

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.8

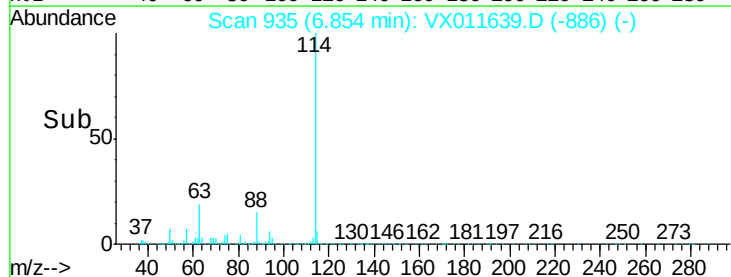
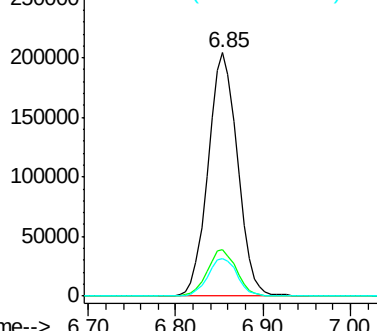
88 15.4 0.0 30.2

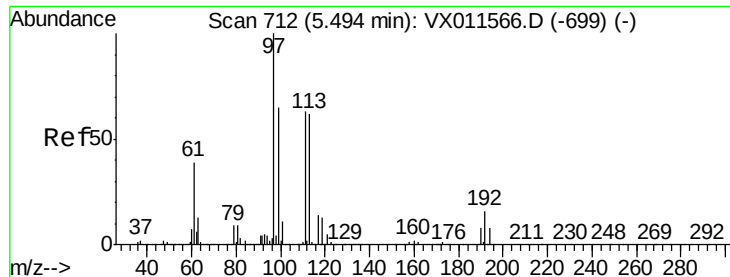


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





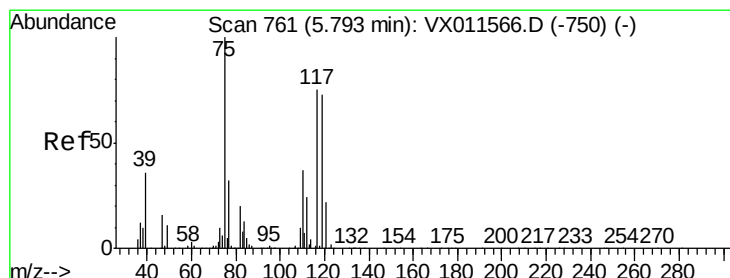
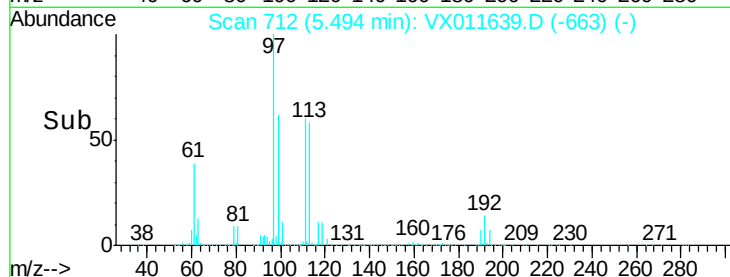
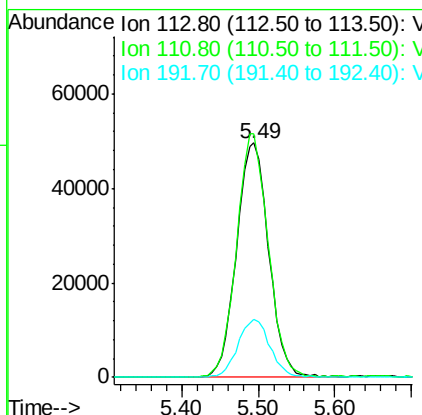
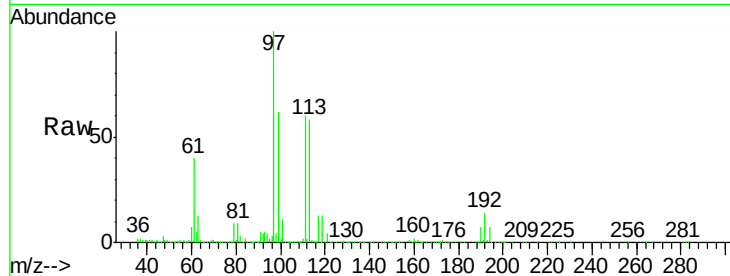
#35
Dibromofluoromethane
Concen: 46.482 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145013		
111	102.0	81.1	121.7	
192	24.8	20.8	31.2	

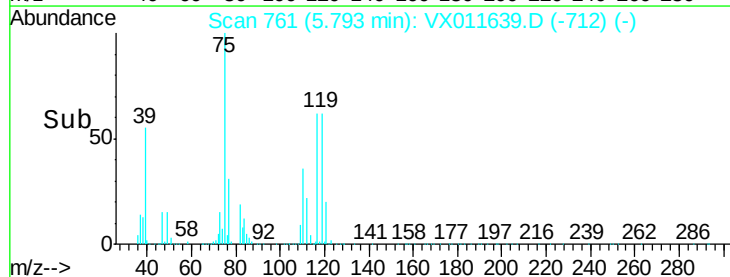
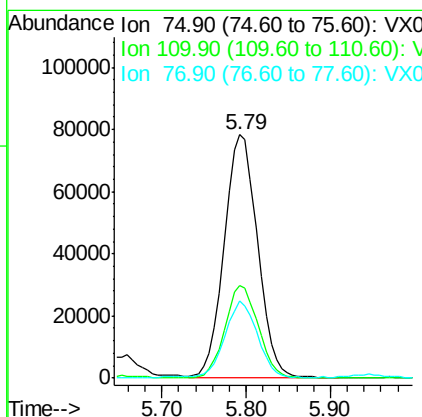
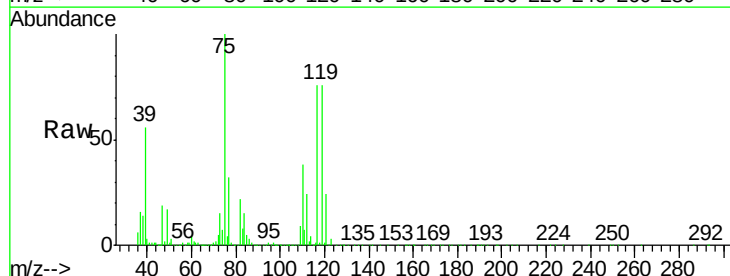
Manual Integrations
APPROVED

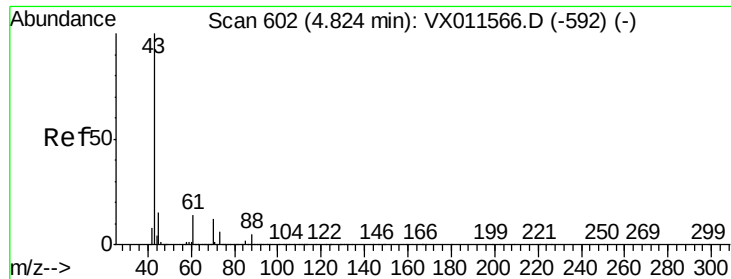
MMDadoda
8/20/2019 3:41:48 PM



#36
1,1-Dichloropropene
Concen: 51.747 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	211032		
110	37.9	19.4	58.1	
77	30.4	25.1	37.7	





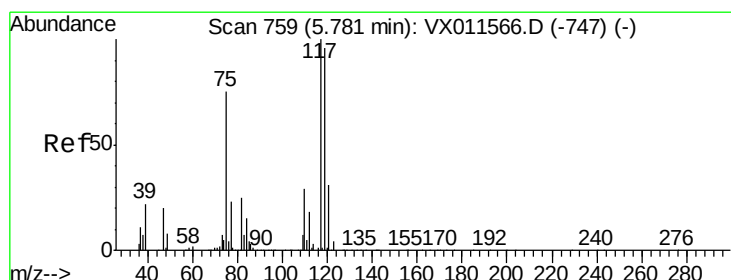
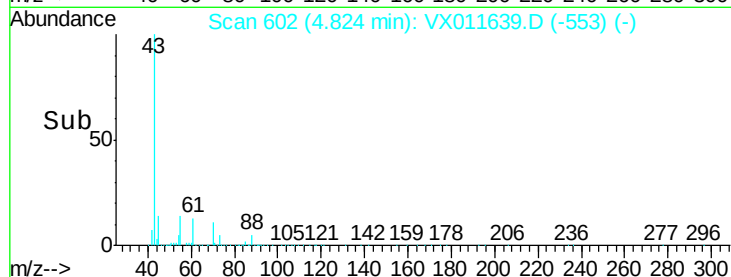
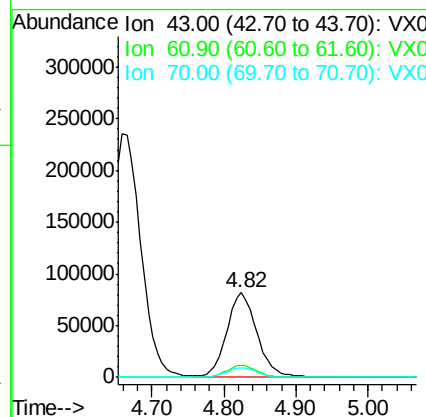
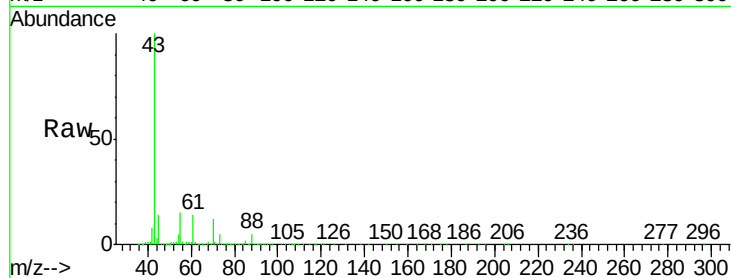
#37
Ethyl Acetate
Concen: 50.649 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.4	17.0
70	11.4	9.0	13.6

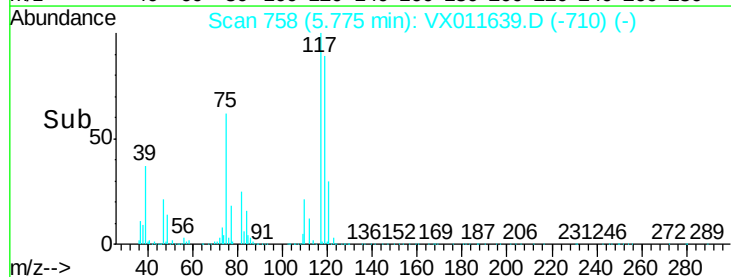
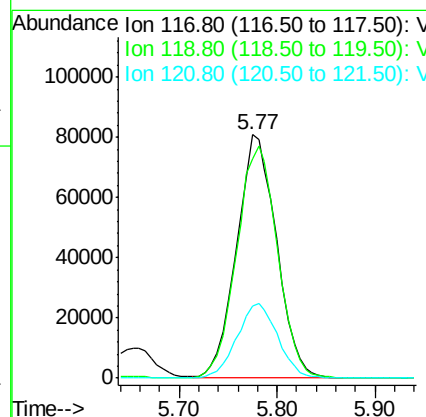
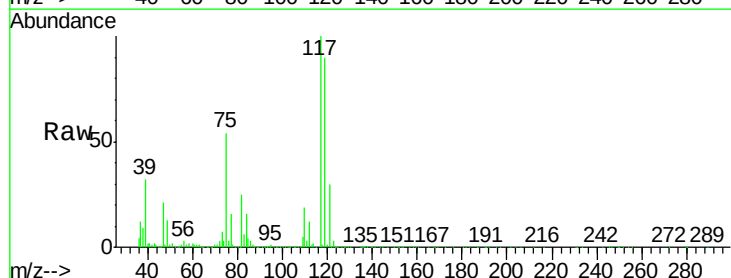
Manual Integrations
APPROVED

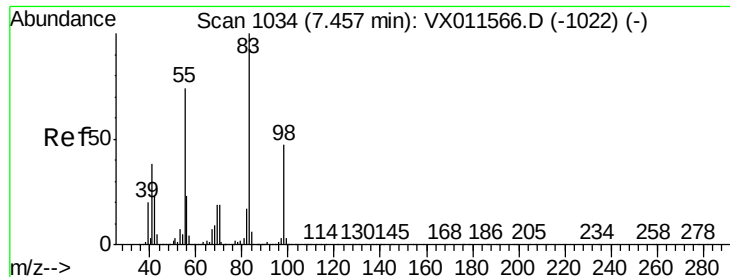
MMDadoda
8/20/2019 3:41:48 PM



#38
Carbon Tetrachloride
Concen: 50.716 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.8	76.9	115.3
121	29.8	24.8	37.2





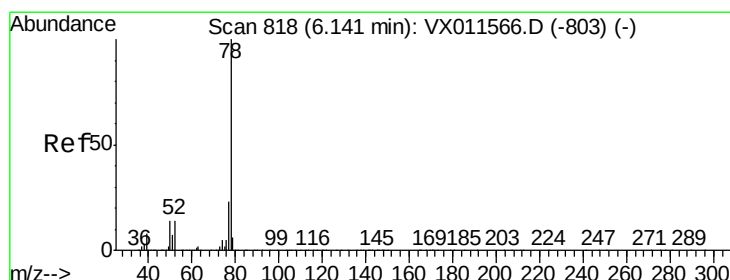
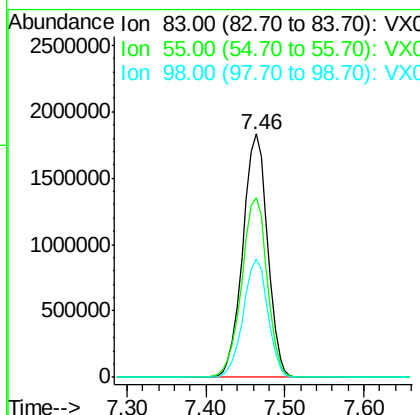
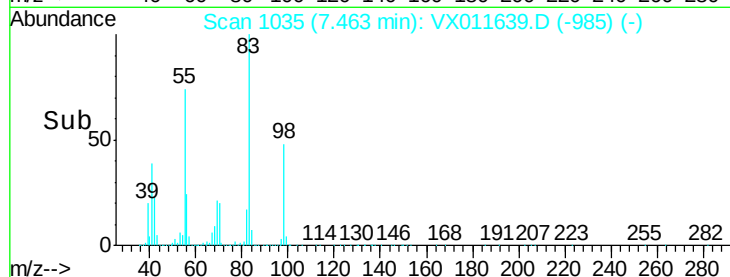
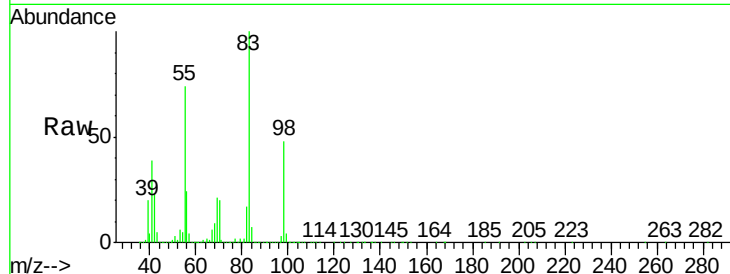
#39
Methylvlcyclohexane
Concen: 794.786 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	58.8	88.2
98	48.3	37.8	56.6

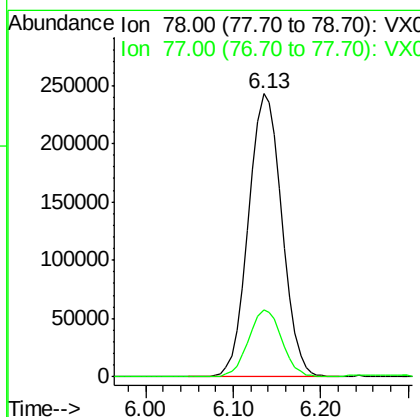
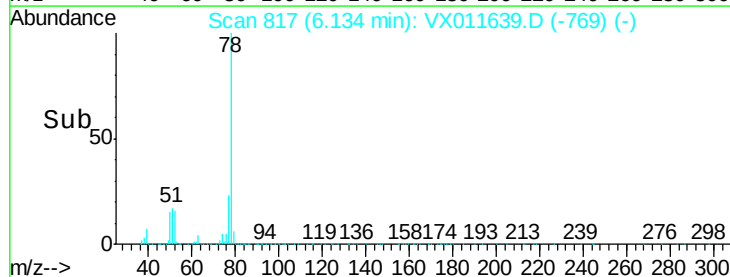
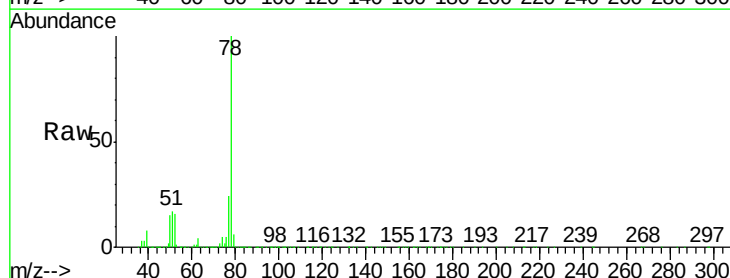
Manual Integrations
APPROVED

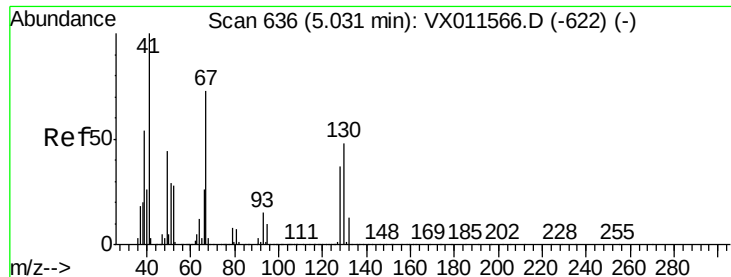
MMDadoda
8/20/2019 3:41:48 PM



#40
Benzene
Concen: 50.907 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





#41

Methacrylonitrile

Concen: 54.951 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

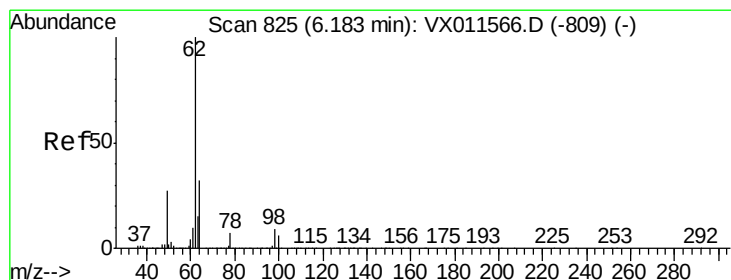
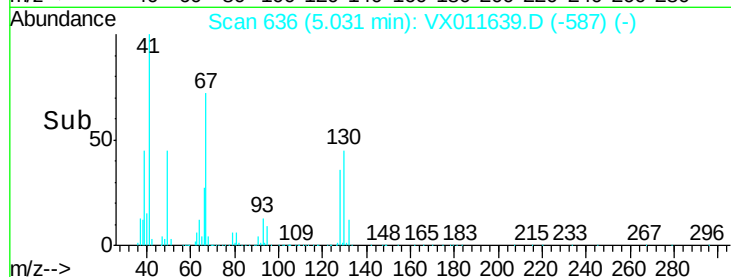
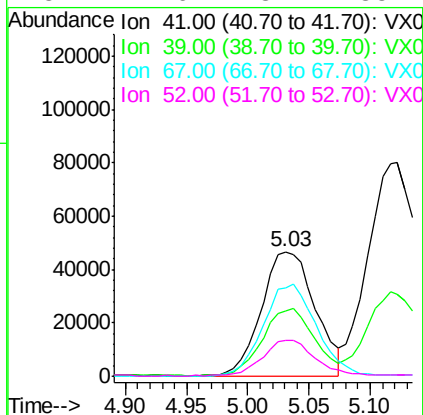
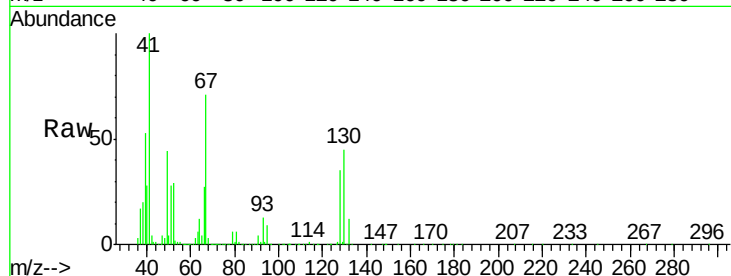
ClientSampleId :

PH2-0142MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		141861		
39	52.5	43.5	65.3		
67	73.7	59.4	89.2		
52	27.6	23.4	35.2		

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#42

1,2-Dichloroethane

Concen: 55.524 ug/l

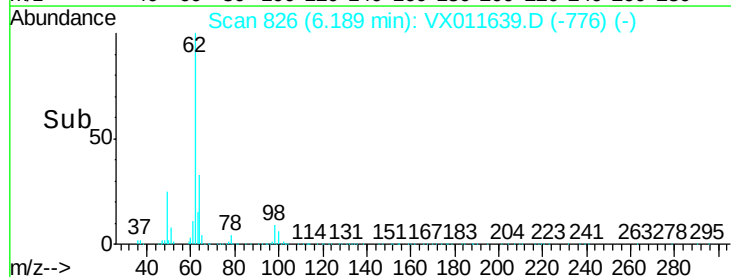
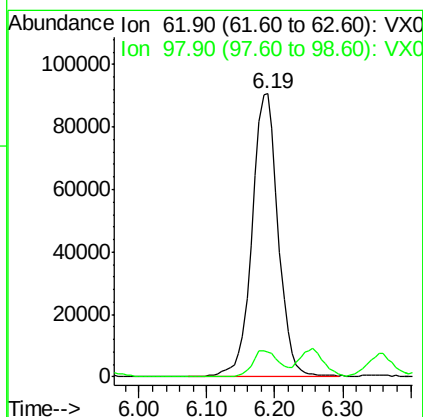
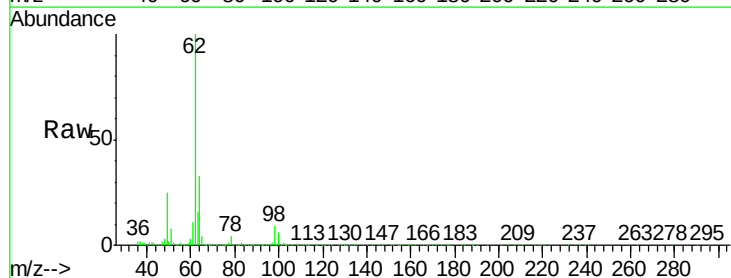
RT: 6.19 min Scan# 826

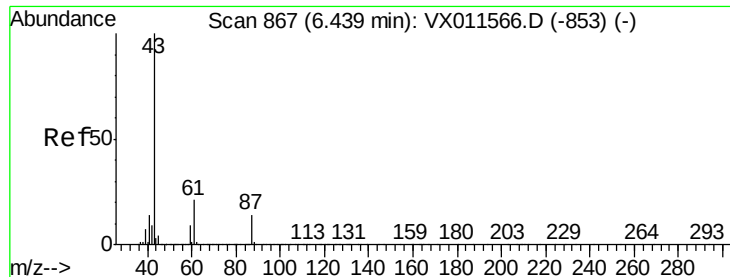
Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		243792		
98	9.4	0.0	19.4		





#43

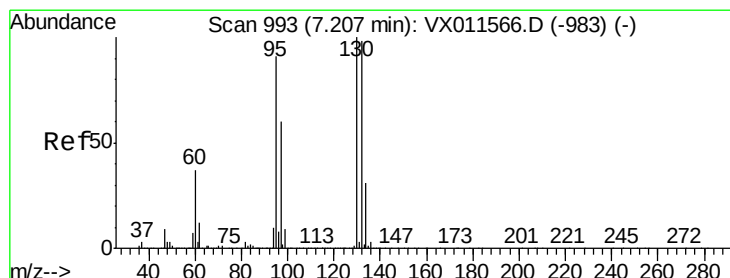
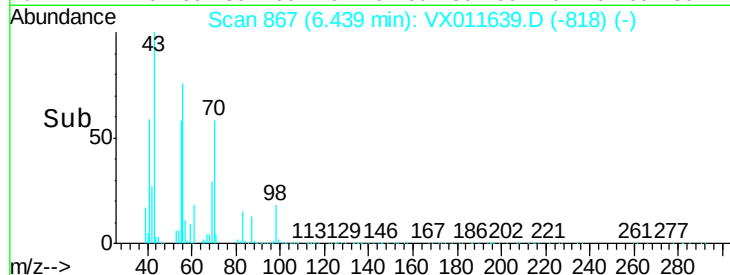
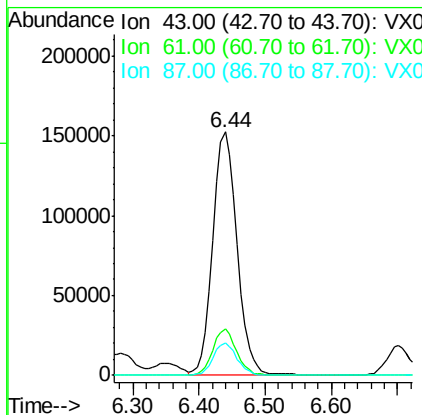
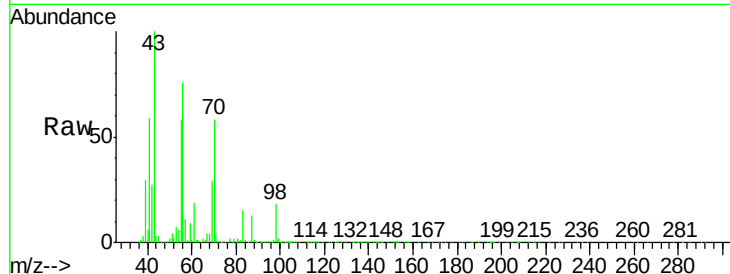
Isopropyl Acetate
 Concen: 52.902 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

Tot Ion:	43	Resp:	387256
Ion	Ratio	Lower	Upper
43	100		
61	18.1	16.6	24.8
87	13.1	11.4	17.2

Manual Integrations
 APPROVED

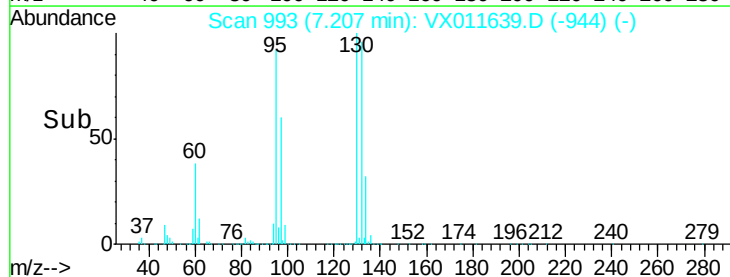
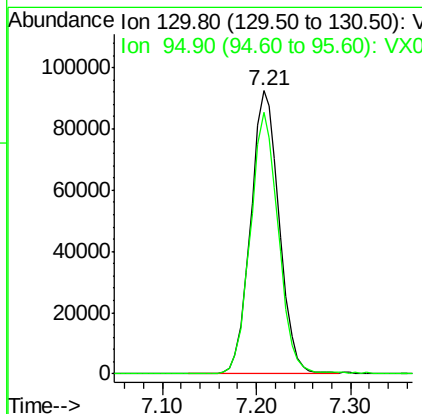
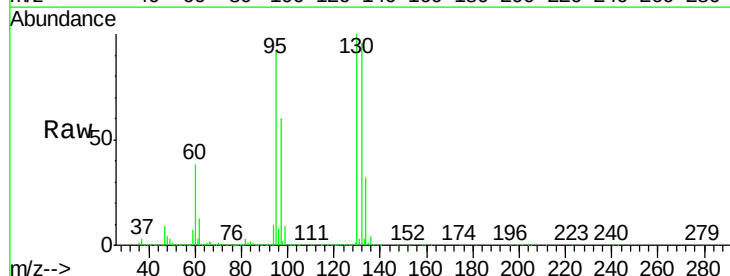
MMDadoda
 8/20/2019 3:41:48 PM

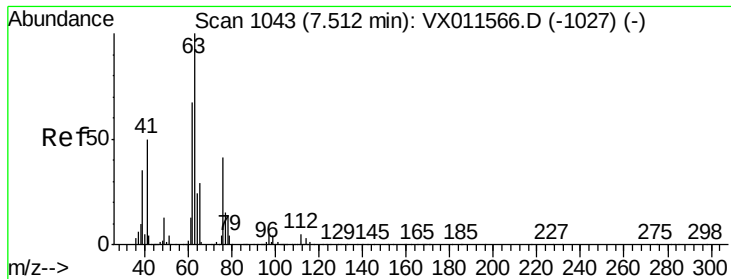


#44

Trichloroethene
 Concen: 52.381 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Tgt Ion:	130	Resp:	196927
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	181.4





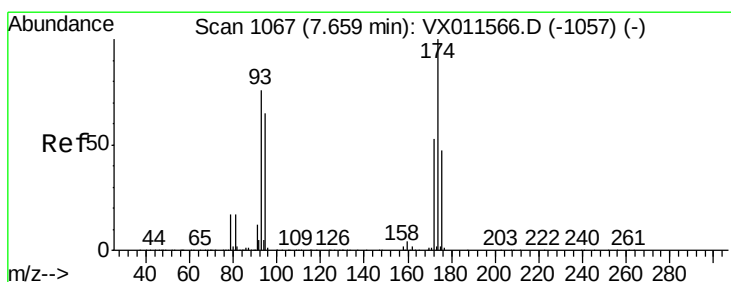
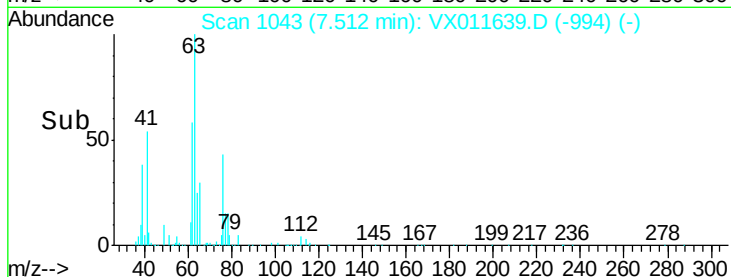
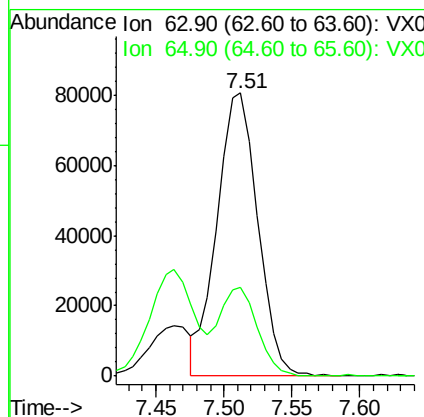
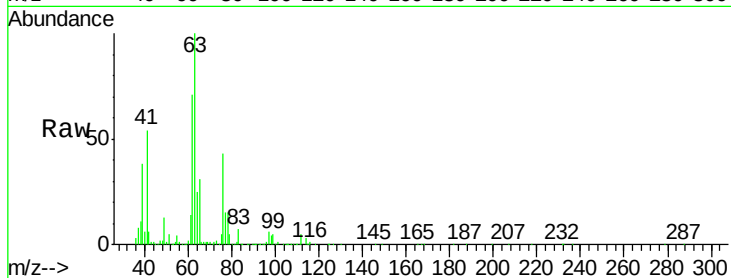
#45
 1,2-Dichloropropane
 Concen: 52.856 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

Tot Ion	Ratio	Resp	Lower	Upper
63	100	167056		
65	31.3		23.4	35.2

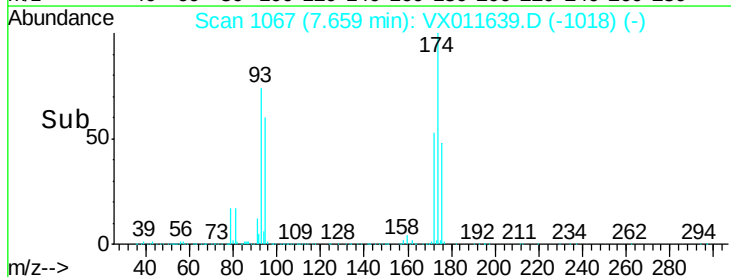
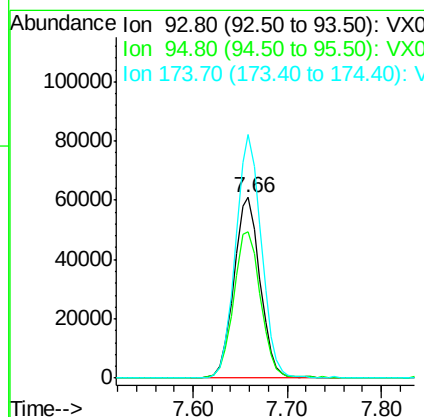
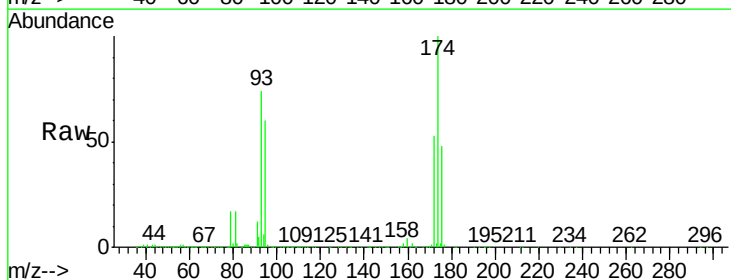
Manual Integrations
 APPROVED

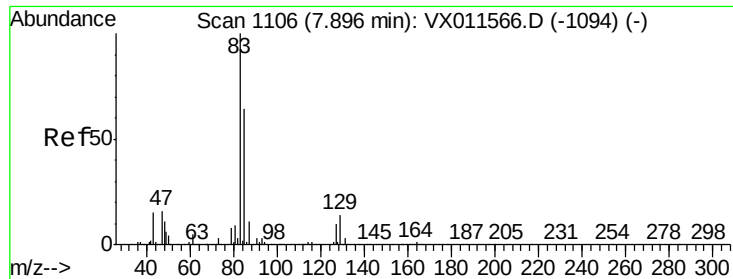
MMDadoda
 8/20/2019 3:41:48 PM



#46
 Dibromomethane
 Concen: 51.528 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	118347		
95	82.6		67.2	100.8
174	132.2		105.5	158.3





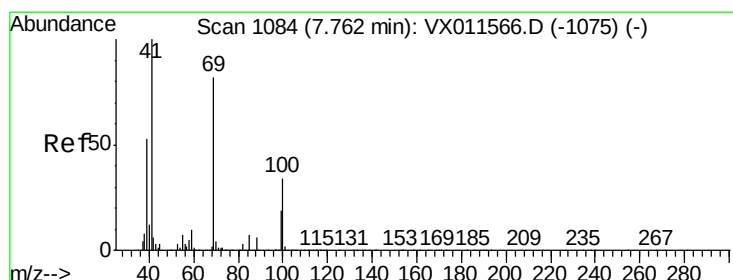
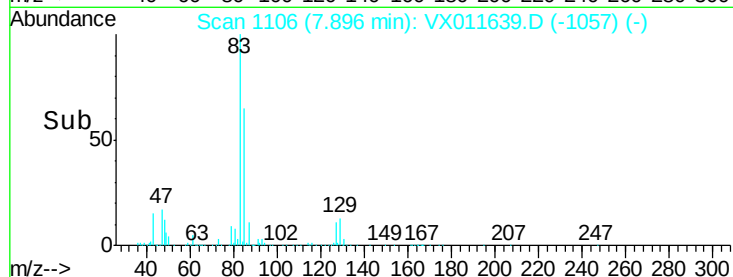
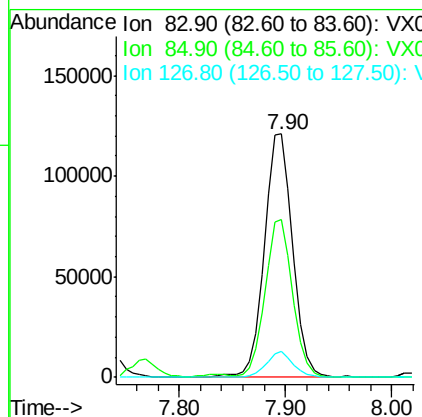
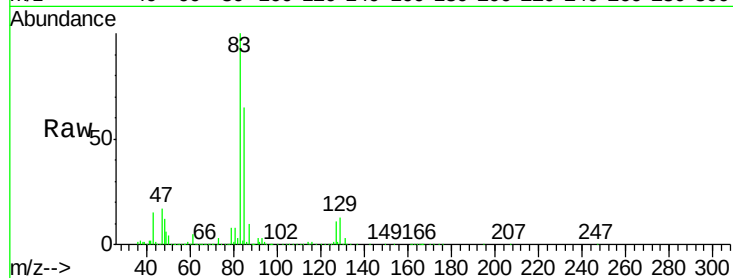
#47
Bromodichloromethane
Concen: 53.178 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8
127	10.7	8.1	12.1

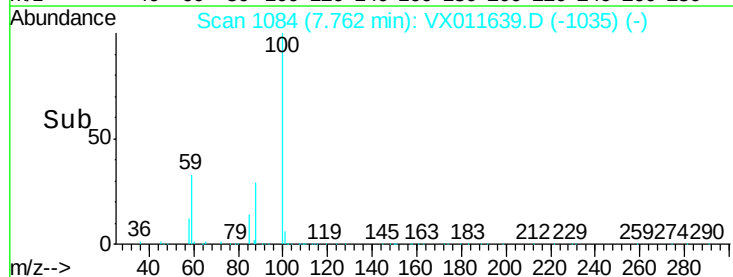
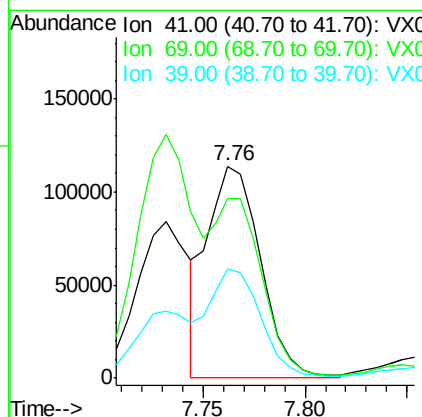
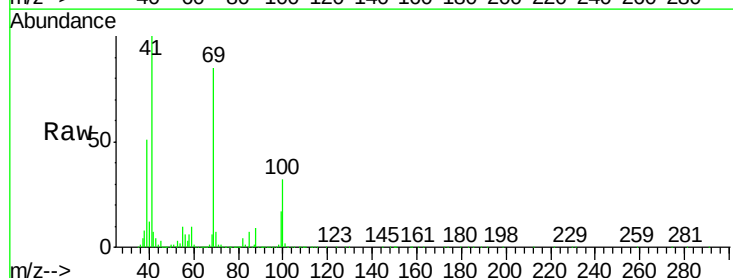
Manual Integrations
APPROVED

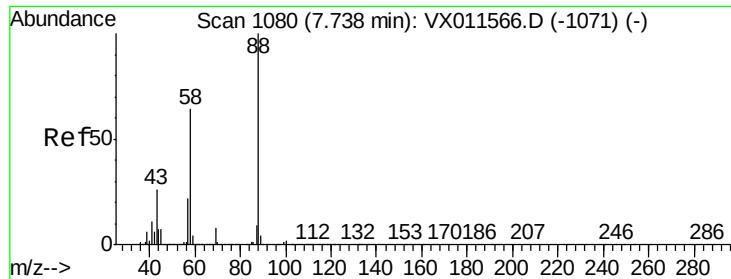
MMDadoda
8/20/2019 3:41:48 PM



#48
Methyl methacrylate
Concen: 56.170 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	67.9	101.9#
39	50.9	41.6	62.4





#49

1,4-Dioxane

Concen: 997.635 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

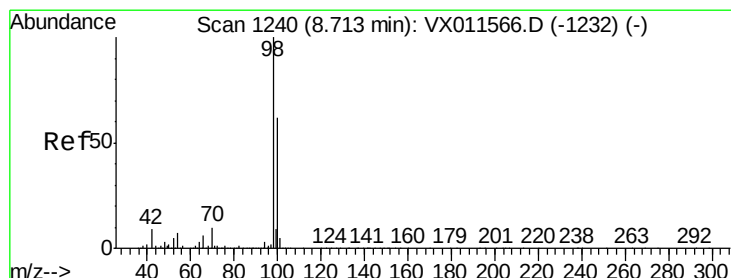
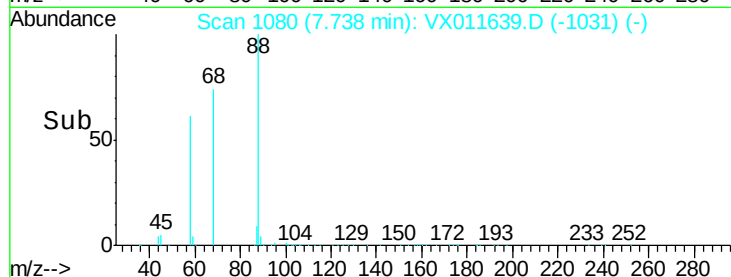
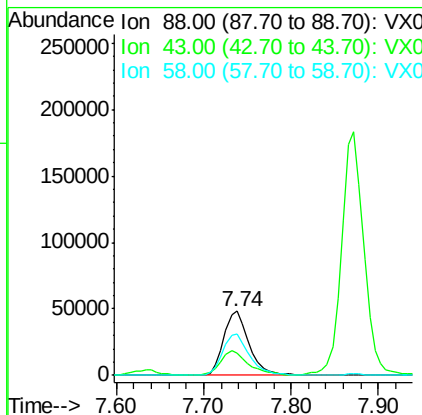
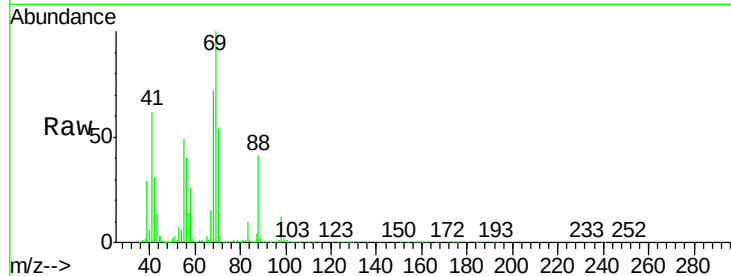
ClientSampleId :

PH2-0142MS

Tot Ion:	88	Resp:	96191
Ion Ratio	Lower	Upper	
88	100		
43	40.8	23.4	35.0#
58	68.1	54.3	81.5

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#50

Toluene-d8

Concen: 50.099 ug/l

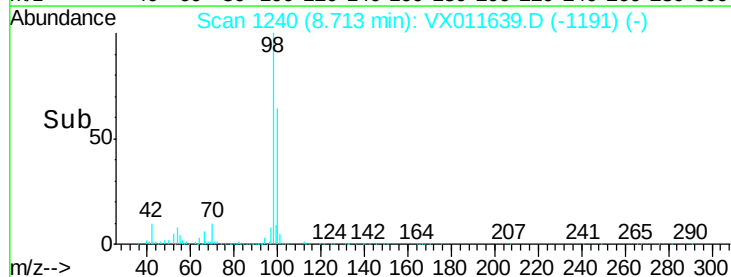
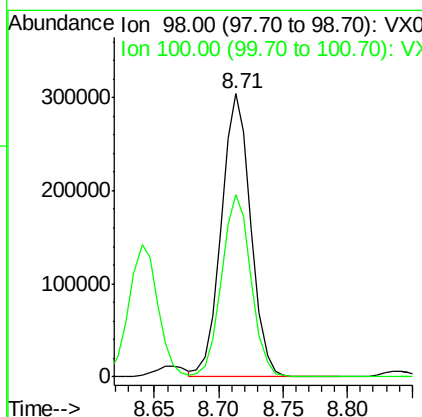
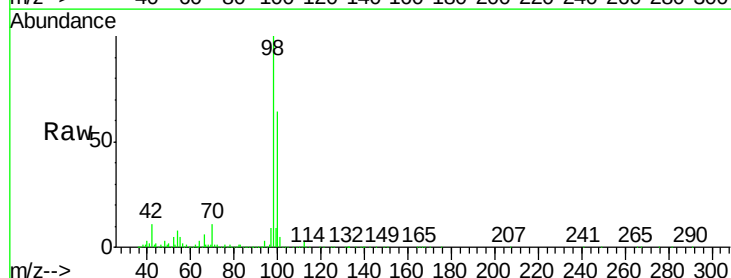
RT: 8.71 min Scan# 1240

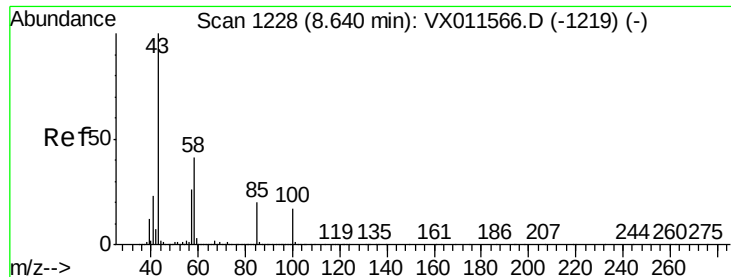
Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion:	98	Resp:	486996
Ion Ratio	Lower	Upper	
98	100		
100	64.0	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 278.065 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

Tot Ion: 43 Resp: 1332322

Ion Ratio Lower Upper

43 100

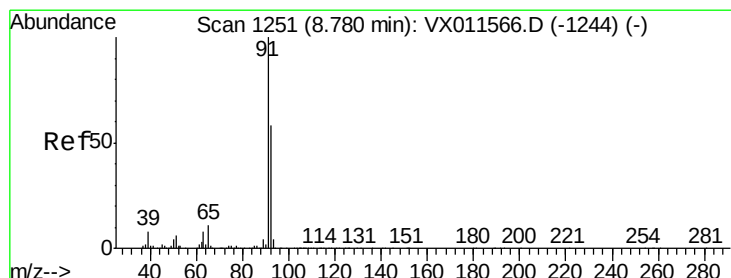
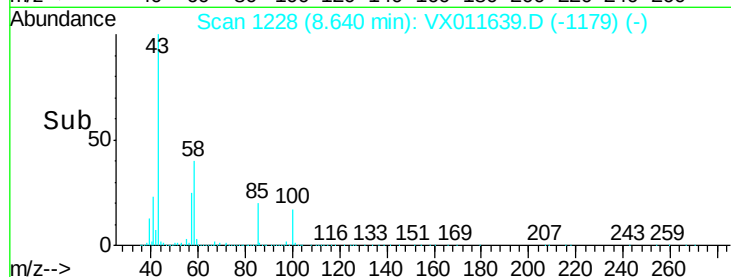
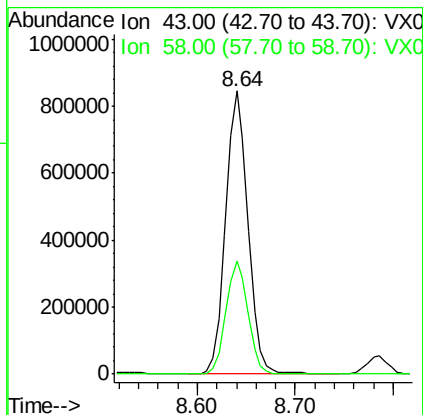
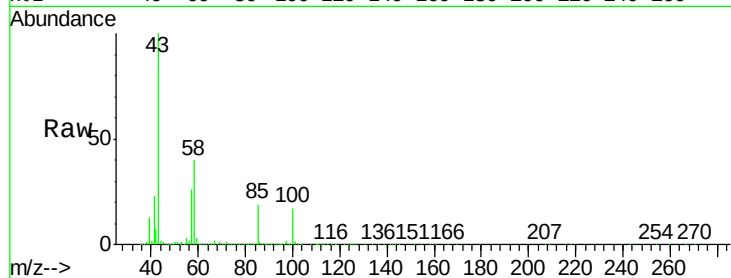
58 39.5 31.8 47.6

Manual Integrations

APPROVED

MMDadoda

8/20/2019 3:41:48 PM



#52

Toluene

Concen: 852.366 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX011639.D

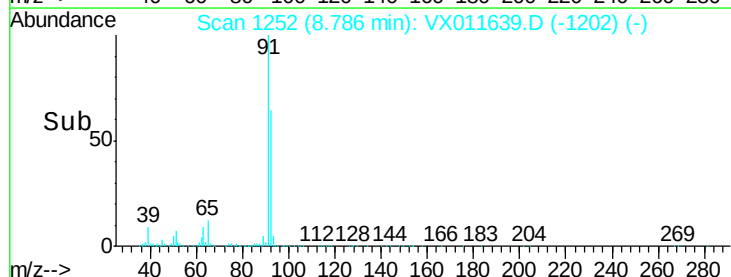
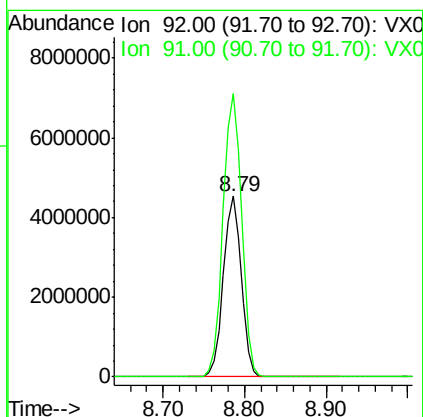
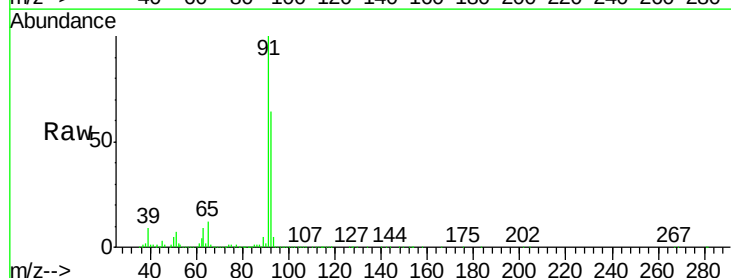
Acq: 19 Aug 2019 18:03

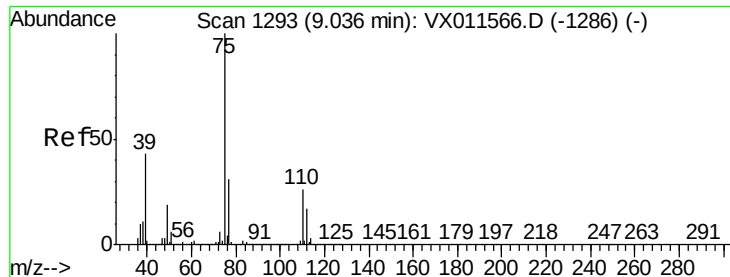
Tgt Ion: 92 Resp: 6881886

Ion Ratio Lower Upper

92 100

91 162.9 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 54.724 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

Tot Ion: 75 Resp: 239511

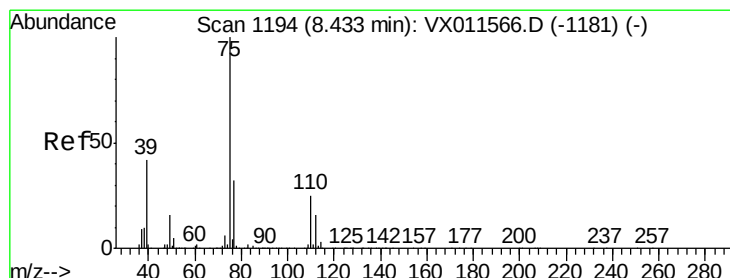
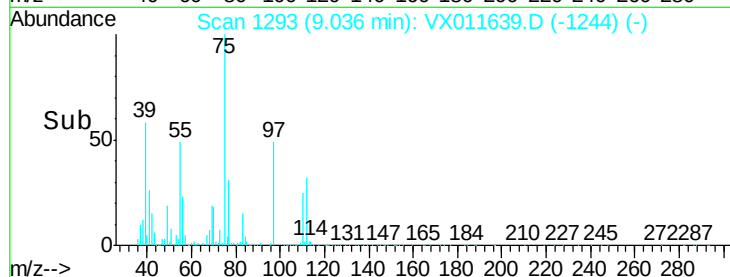
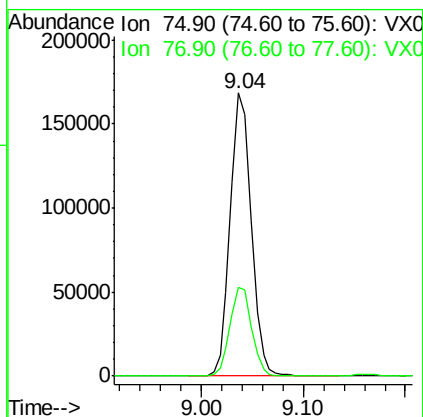
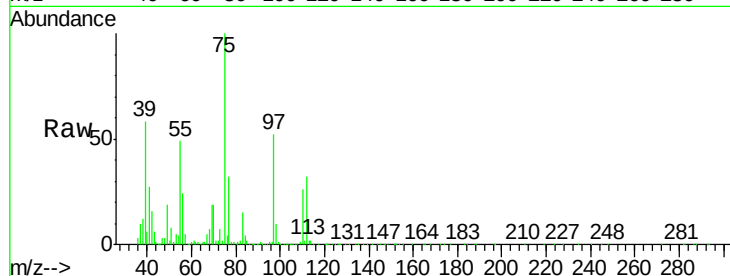
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#54

cis-1,3-Dichloropropene

Concen: 54.836 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

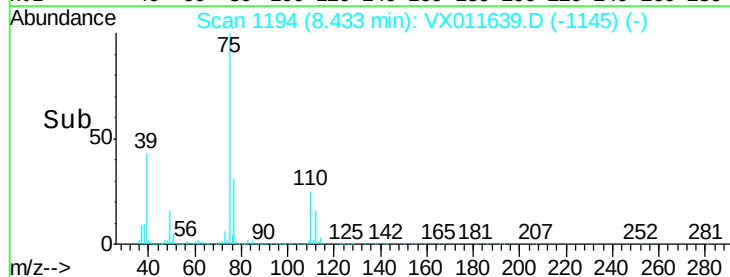
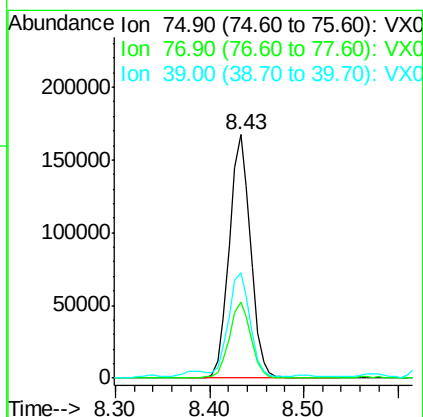
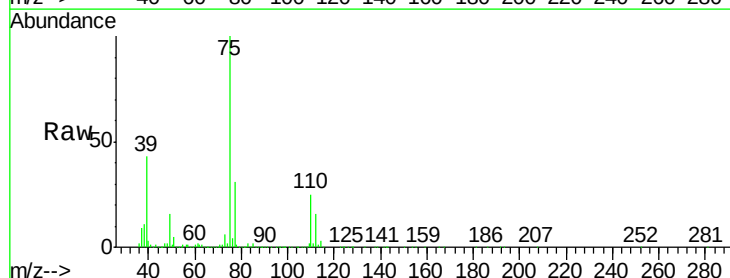
Tgt Ion: 75 Resp: 262651

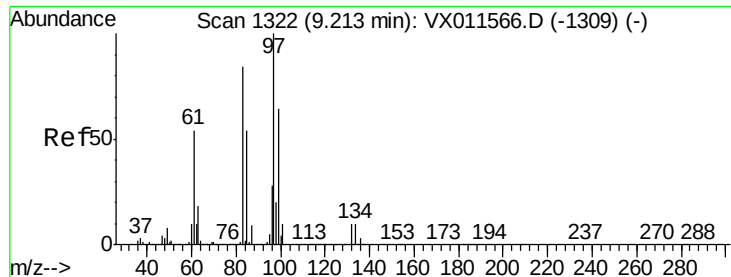
Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 42.8 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 48.031 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

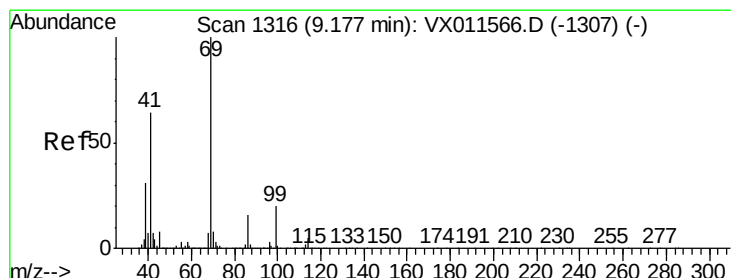
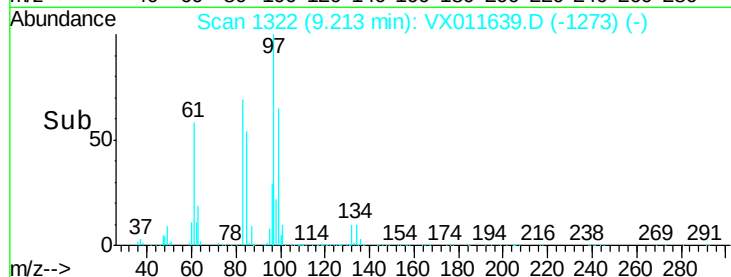
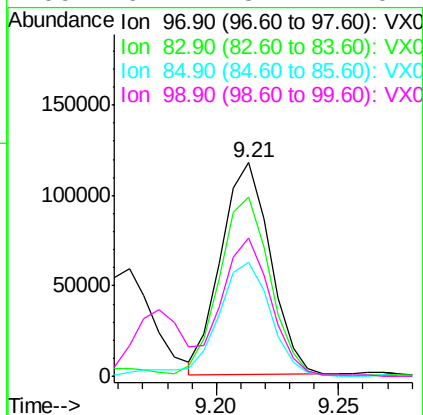
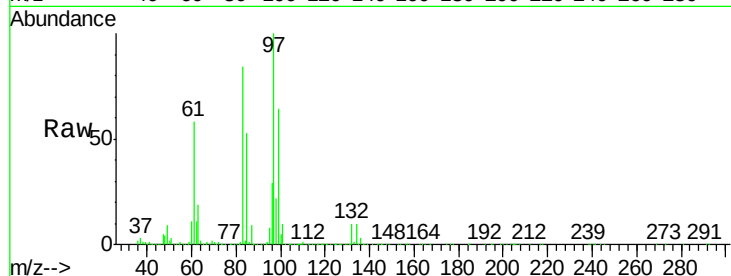
ClientSampleId :

PH2-0142MS

Tot Ion:	97	Resp:	164910
Ion Ratio	Lower	Upper	
97	100		
83	84.1	67.4	101.0
85	53.6	43.4	65.2
99	64.7	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#56

Ethyl methacrylate

Concen: 56.572 ug/l

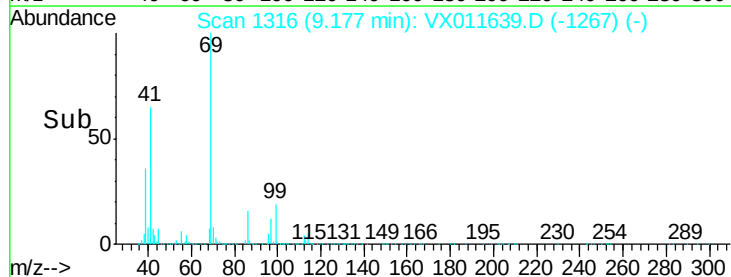
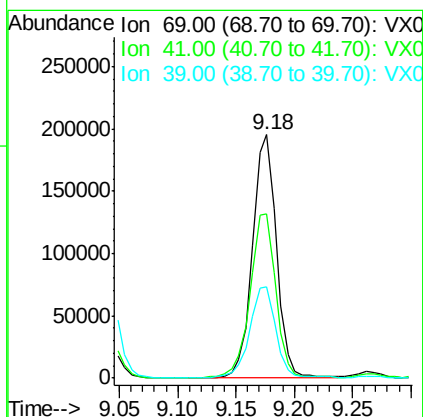
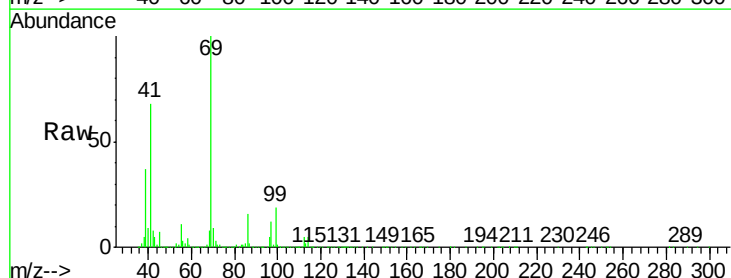
RT: 9.18 min Scan# 1316

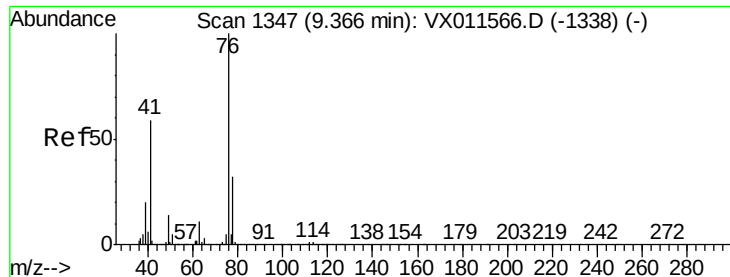
Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion:	69	Resp:	282309
Ion Ratio	Lower	Upper	
69	100		
41	72.2	52.1	78.1
39	40.4	25.4	38.0#





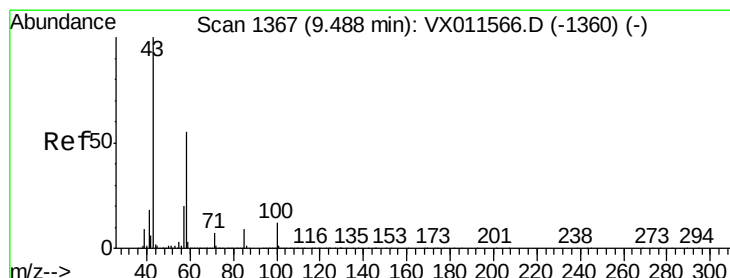
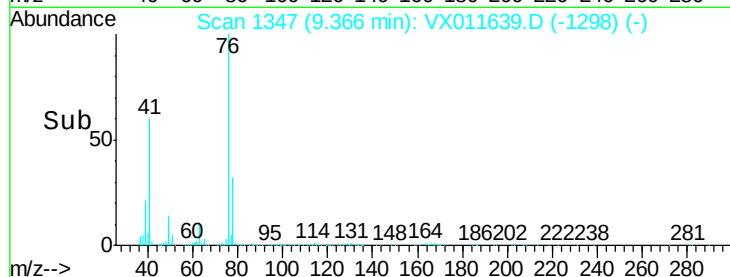
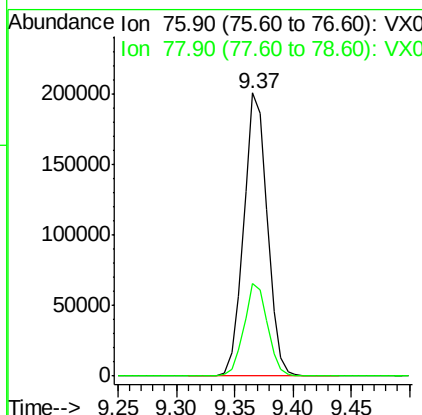
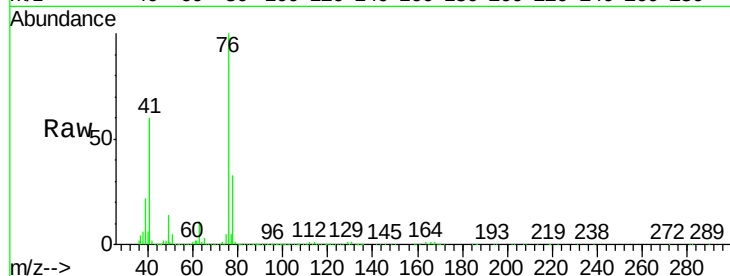
#57
 1,3-Dichloropropane
 Concen: 52.098 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

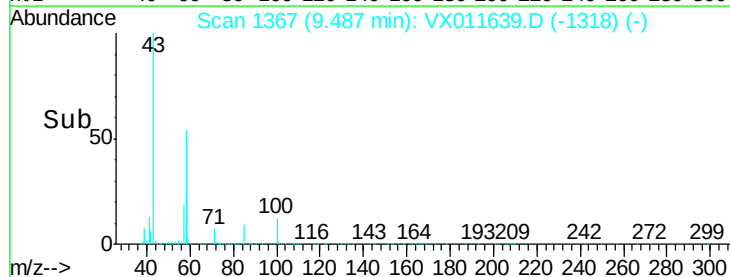
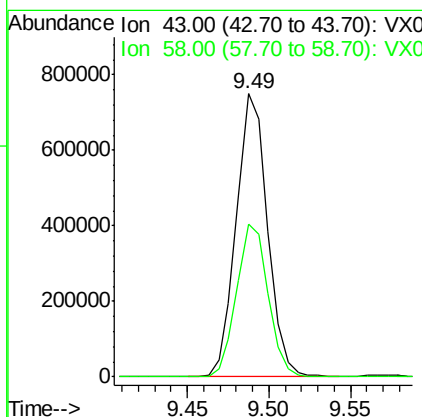
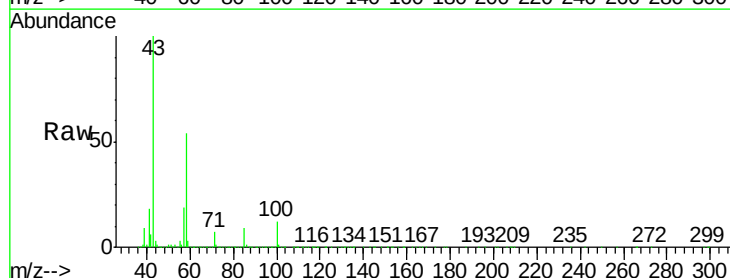
Manual Integrations
 APPROVED

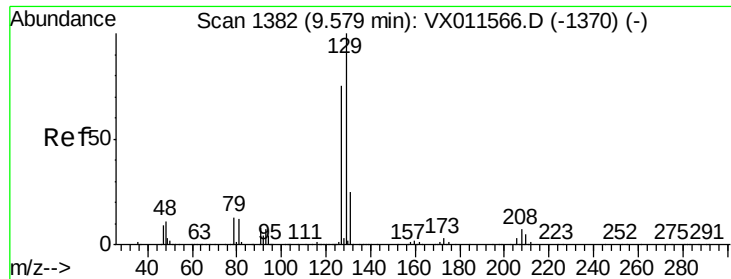
MMDadoda
 8/20/2019 3:41:48 PM



#59
 2-Hexanone
 Concen: 270.854 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.5	82.4





#60

Dibromochloromethane

Concen: 55.423 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

Tot Ion:129 Resp: 198264

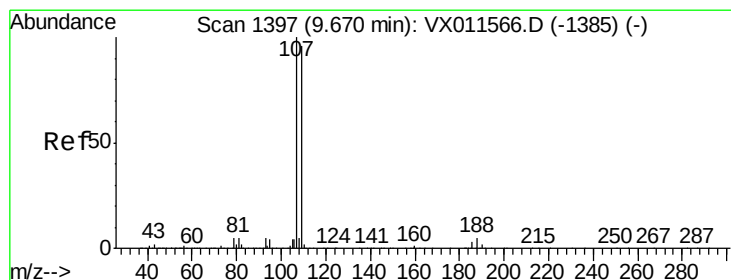
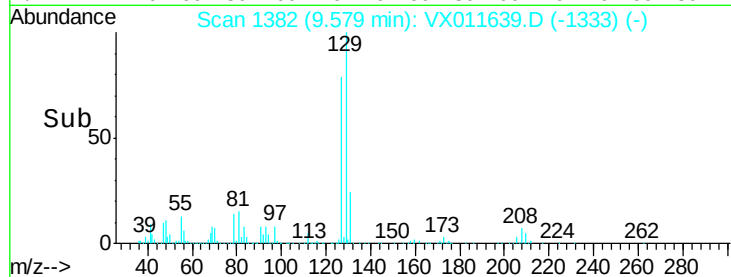
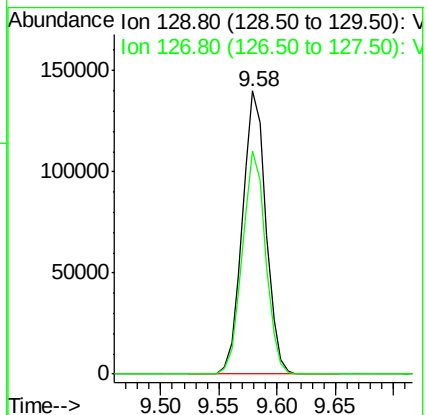
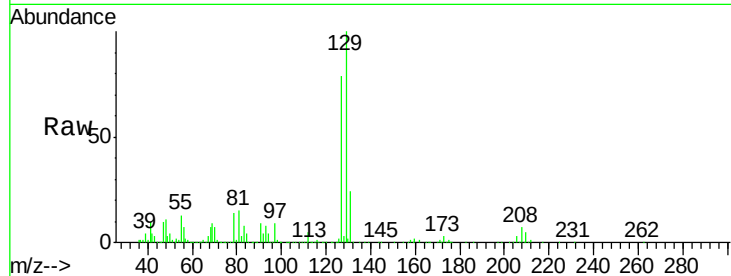
Ion Ratio Lower Upper

129 100

127 78.0 38.0 114.1

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#61

1,2-Dibromoethane

Concen: 52.898 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011639.D

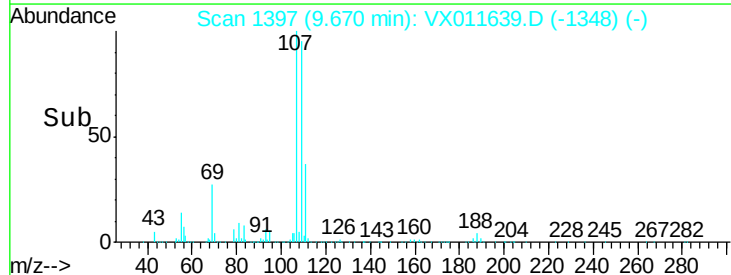
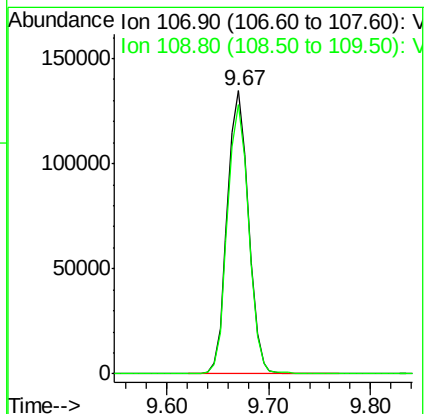
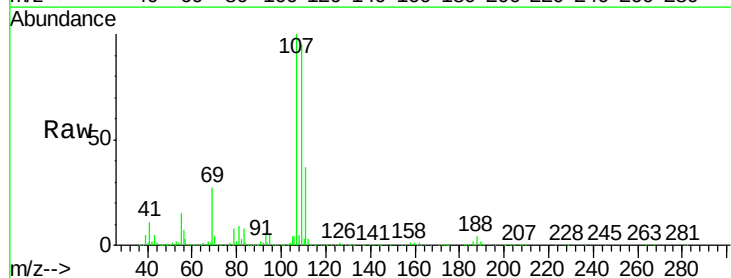
Acq: 19 Aug 2019 18:03

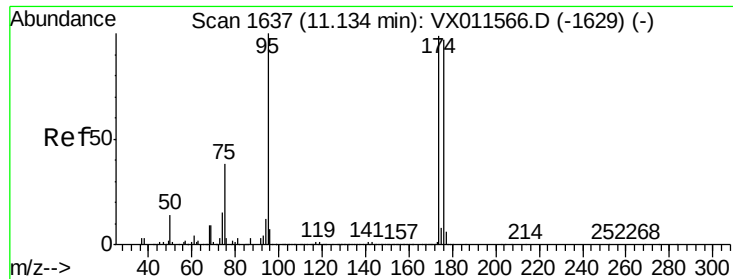
Tgt Ion:107 Resp: 193835

Ion Ratio Lower Upper

107 100

109 95.4 76.2 114.2





#62

4-Bromofluorobenzene

Concen: 48.095 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

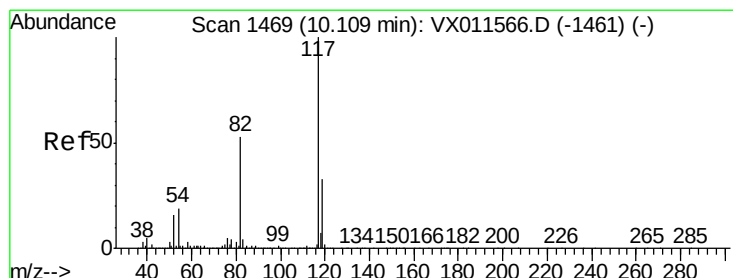
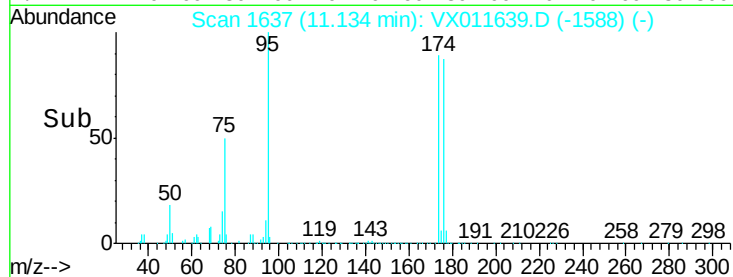
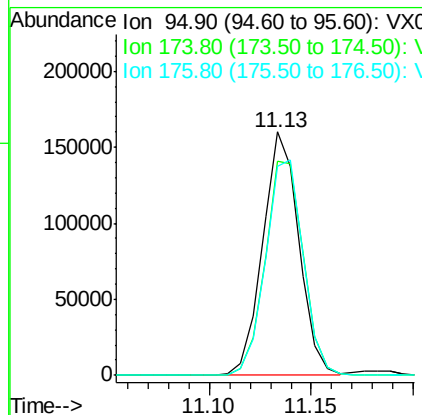
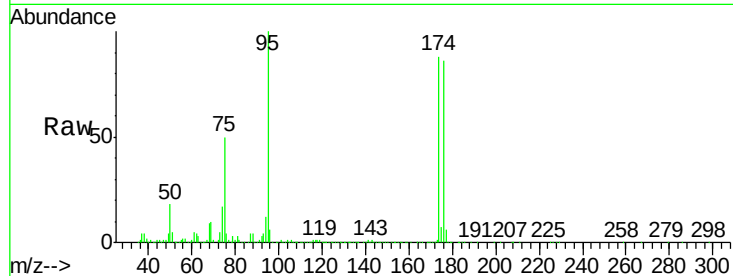
ClientSampleId :

PH2-0142MS

Tot Ion	95	Resp	197333
Ion Ratio	Lower	Upper	
95	100		
174	93.3	0.0	200.6
176	92.5	0.0	196.6

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

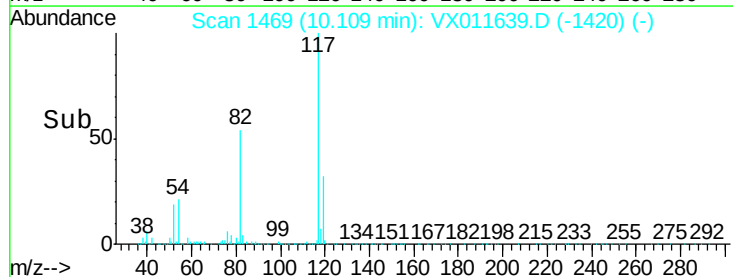
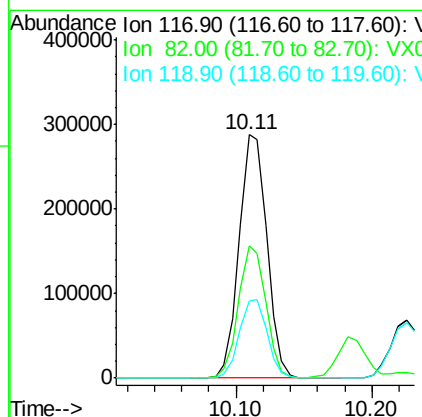
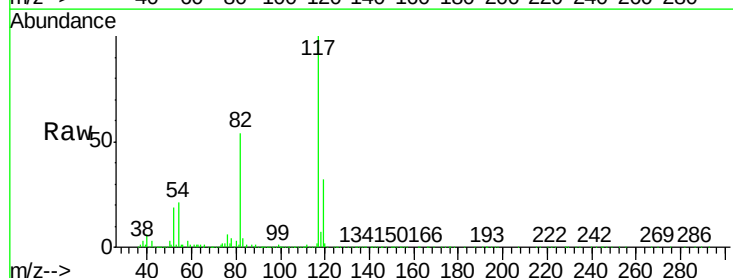
RT: 10.11 min Scan# 1469

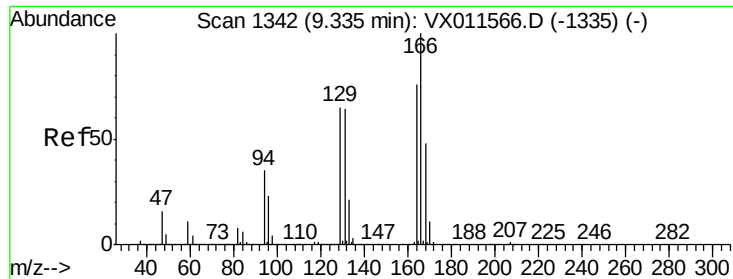
Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion	117	Resp	410944
Ion Ratio	Lower	Upper	
117	100		
82	54.1	42.0	63.0
119	31.9	26.5	39.7





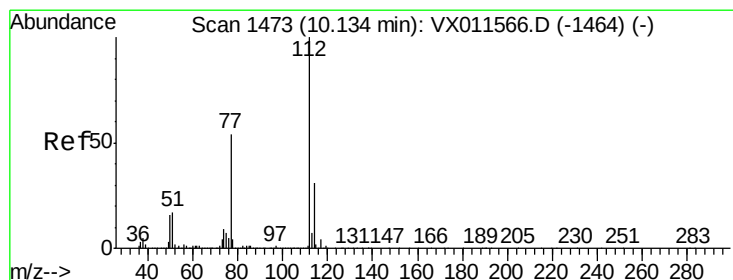
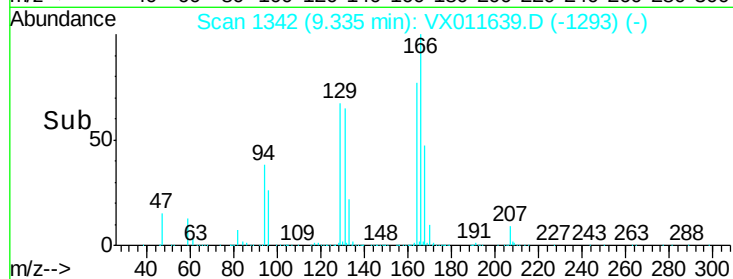
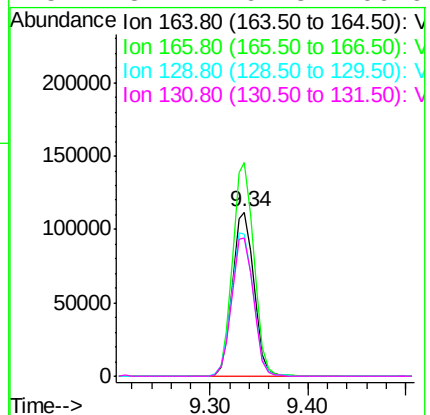
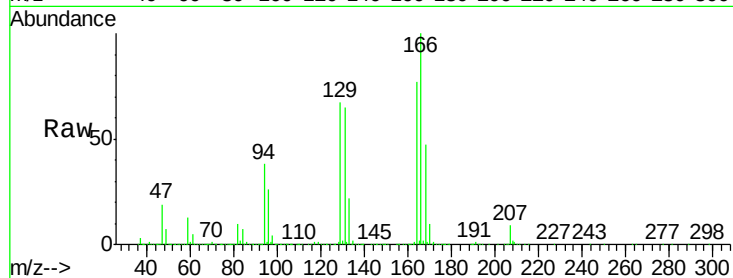
#64
Tetrachloroethene
Concen: 50.532 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.7	157.1
129	86.5	68.2	102.4
131	84.1	67.3	100.9

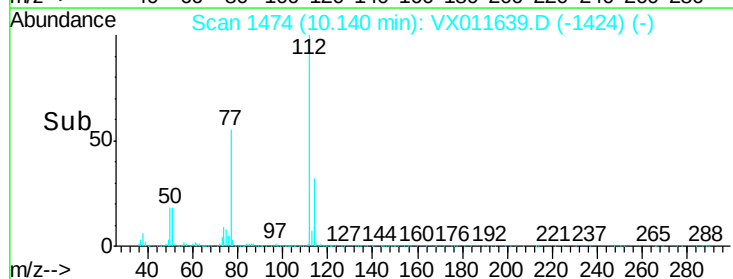
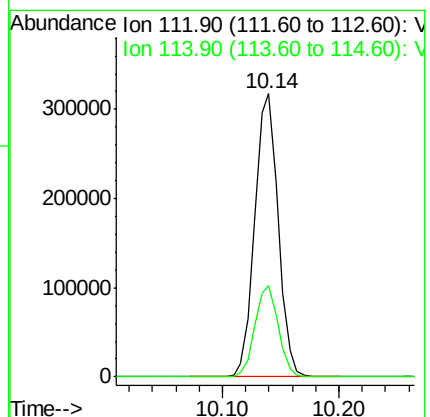
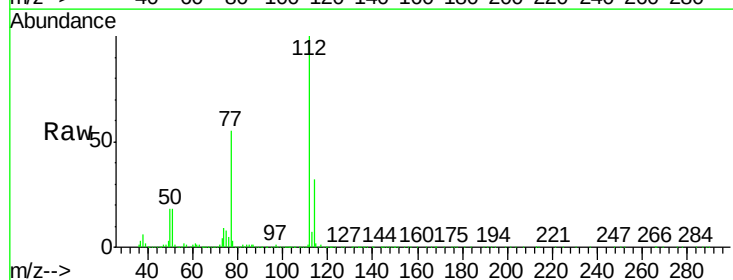
Manual Integrations
APPROVED

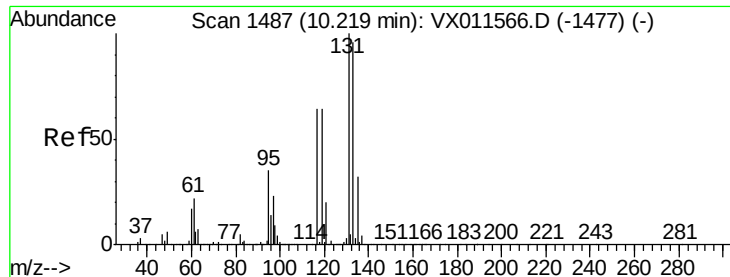
MMDadoda
8/20/2019 3:41:48 PM



#65
Chlorobenzene
Concen: 51.031 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6





#66

1,1,1,2-Tetrachloroethane

Concen: 52.770 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

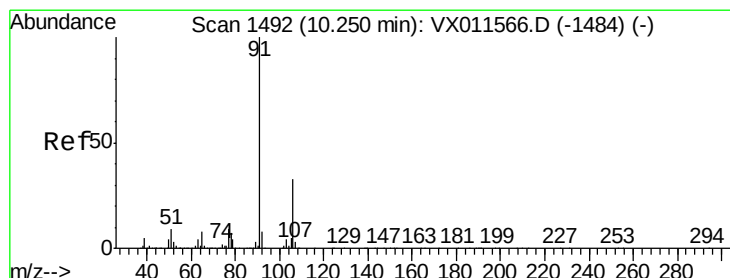
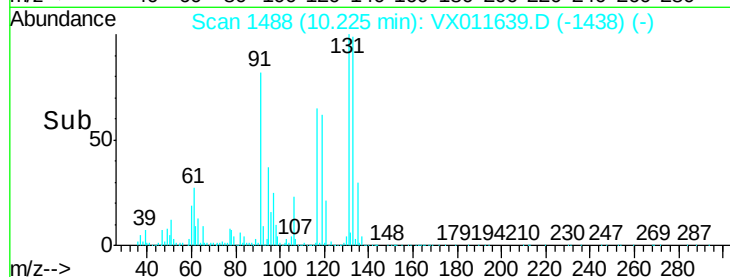
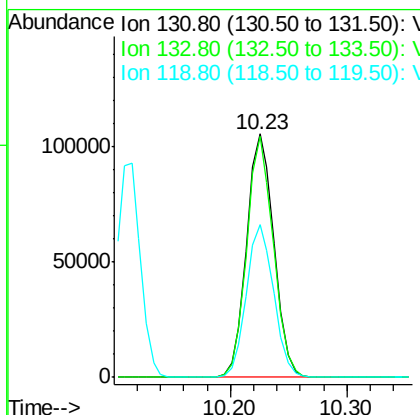
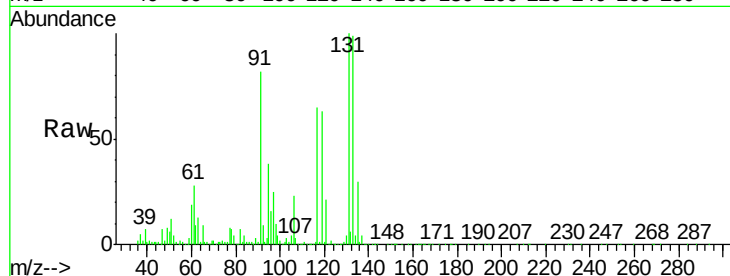
ClientSampleId :

PH2-0142MS

Tot Ion:	131	Resp:	172877
Ion Ratio	Lower	Upper	
131	100		
133	96.1	48.1	144.4
119	62.4	31.3	93.8

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#67

Ethyl Benzene

Concen: 1347.746 ug/l m

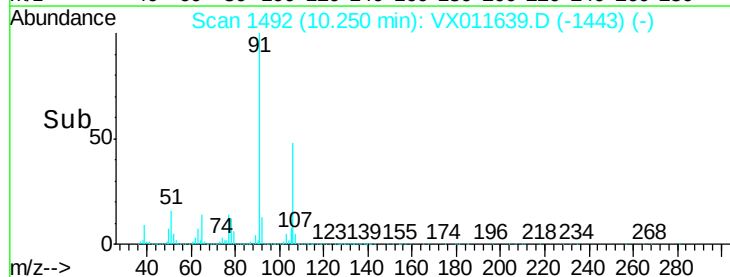
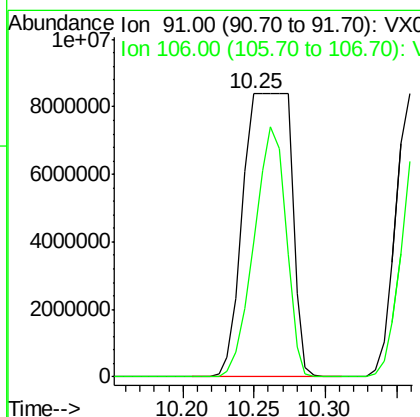
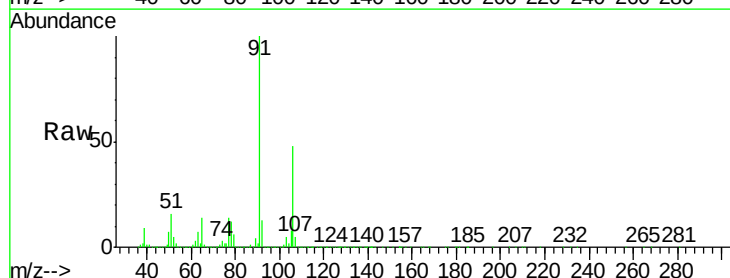
RT: 10.25 min Scan# 1492

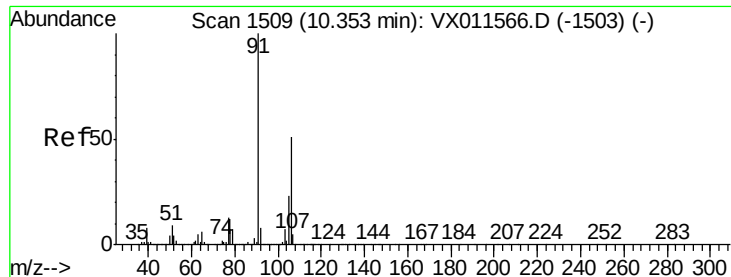
Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion:	91	Resp:	19714899
Ion Ratio	Lower	Upper	
91	100		
106	47.6	26.0	39.0#





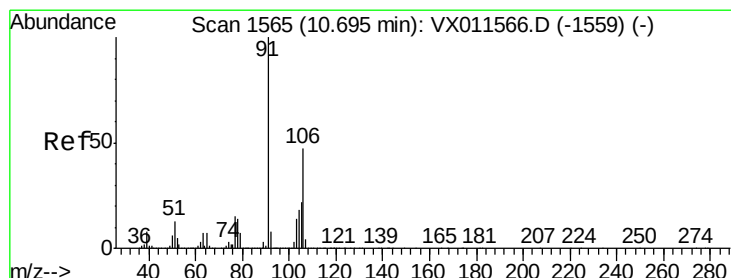
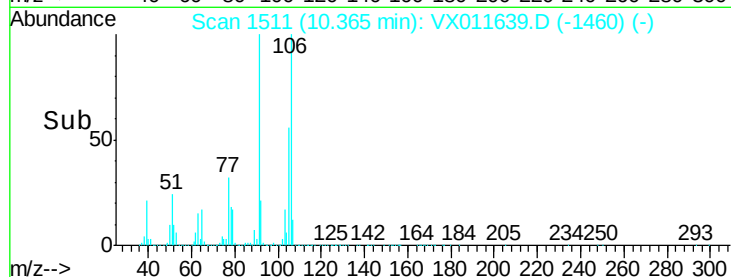
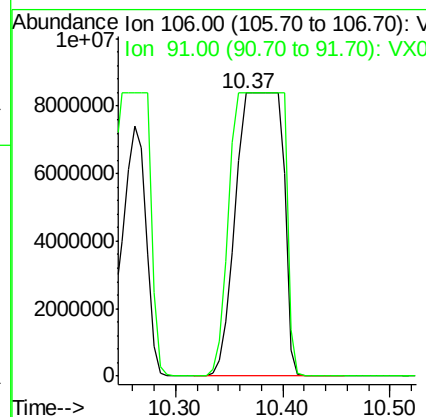
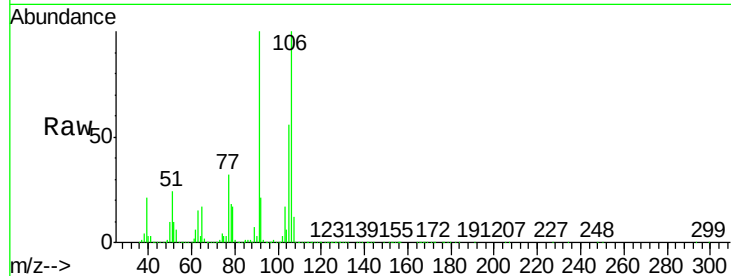
#68
m/p-Xylenes
Concen: 4522.628 ug/l m
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion:106 Resp:25394629
Ion Ratio Lower Upper
106 100
91 0.0 156.0 234.0#

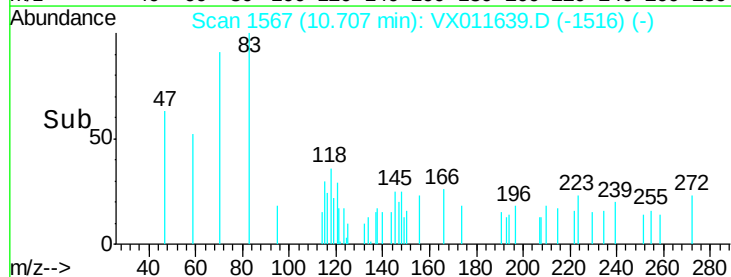
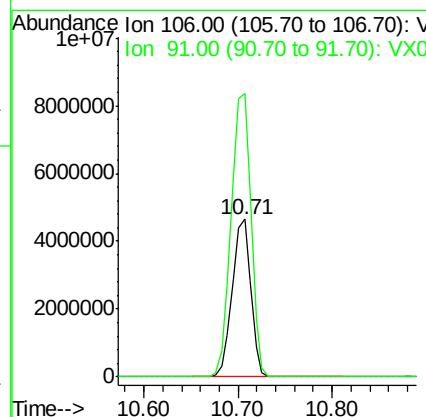
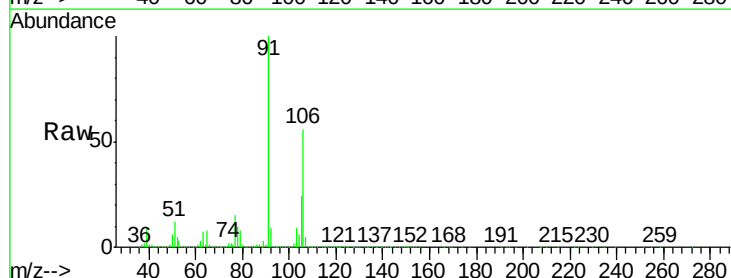
Manual Integrations
APPROVED

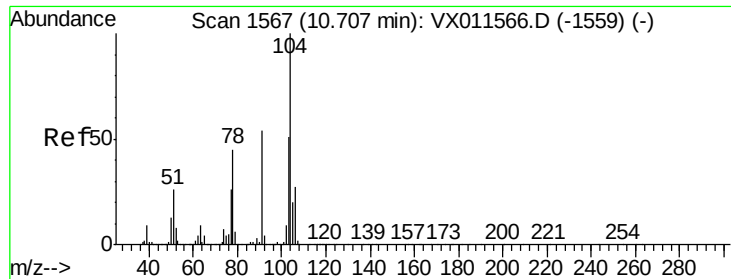
MMDadoda
8/20/2019 3:41:48 PM



#69
o-Xylene
Concen: 1159.995 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion:106 Resp: 6380083
Ion Ratio Lower Upper
106 100
91 192.7 105.5 316.4





#70

Stvrene

Concen: 86.502 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

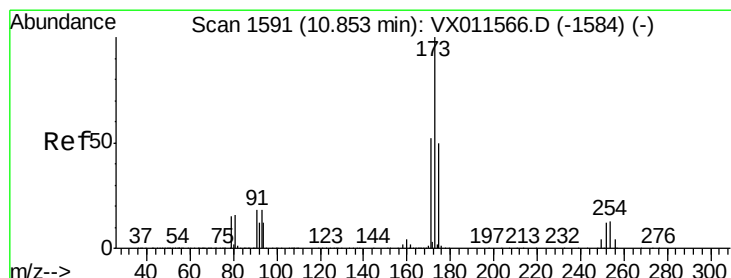
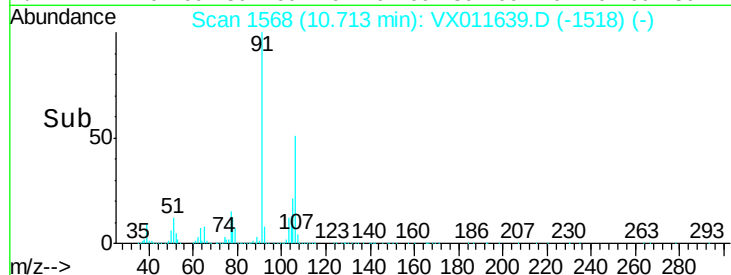
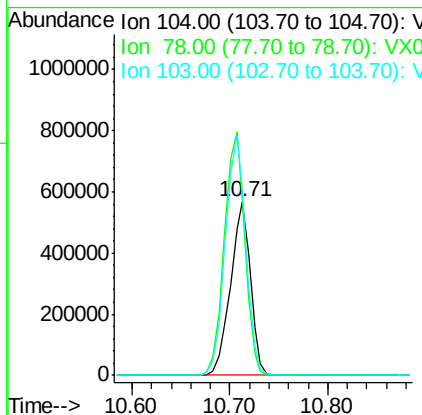
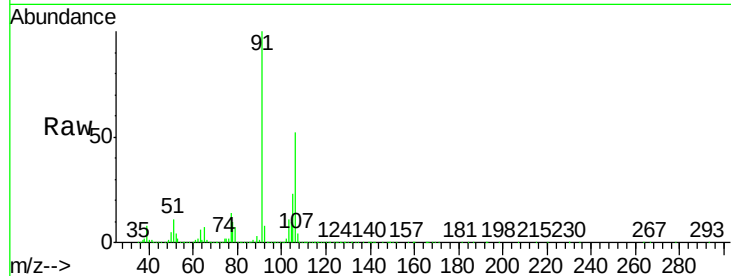
ClientSampleId :

PH2-0142MS

Tot Ion:	104	Resp:	800926
Ion Ratio		Lower	Upper
104	100		
78	144.0	38.2	57.4#
103	141.3	43.6	65.4#

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#71

Bromoform

Concen: 44.579 ug/l

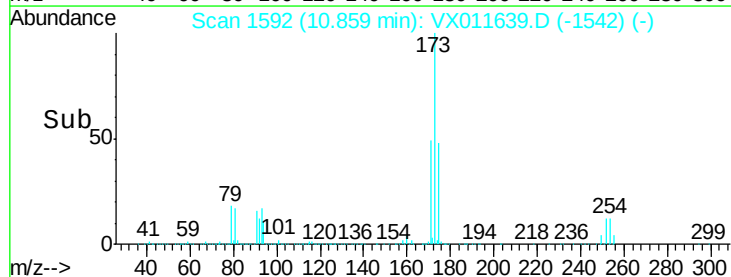
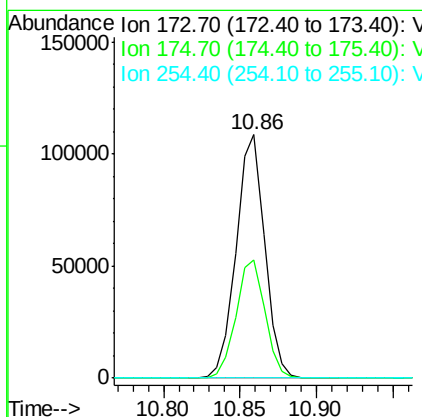
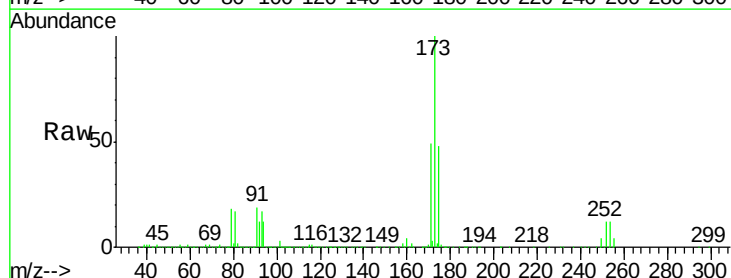
RT: 10.86 min Scan# 1592

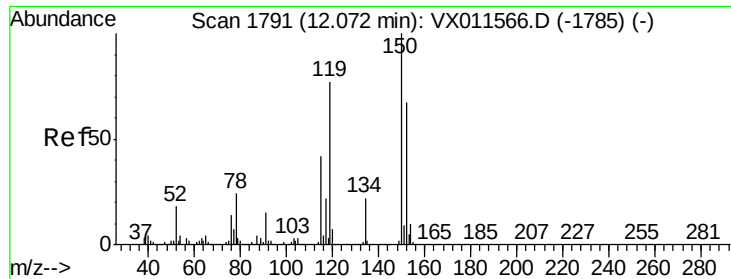
Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion:	173	Resp:	140704
Ion Ratio		Lower	Upper
173	100		
175	49.0	24.9	74.7
254	0.2	0.1	0.1#





#72

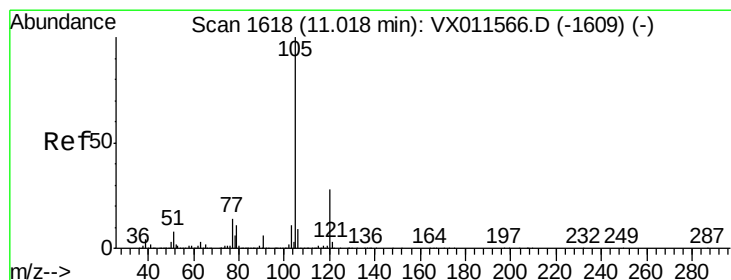
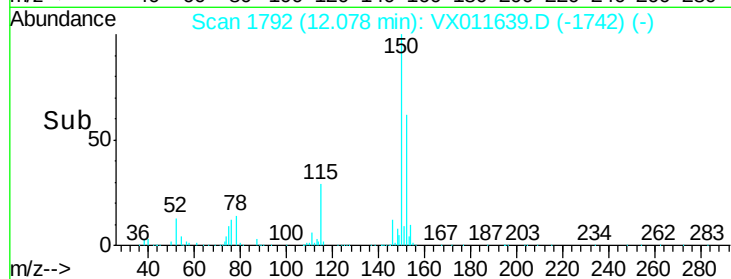
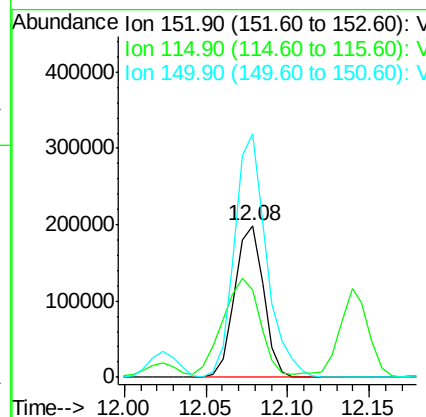
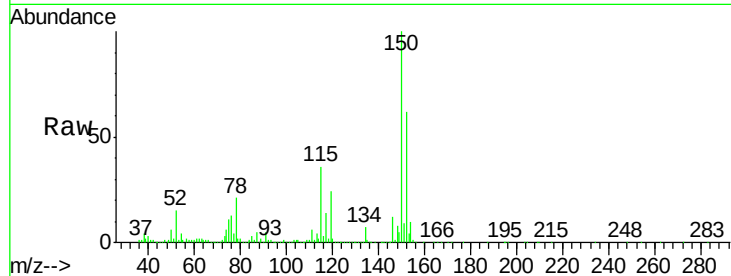
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Resp	Lower	Upper
152	100	244760		
115	83.4	37.3	111.9	
150	176.4	0.0	346.2	

Manual Integrations
APPROVED

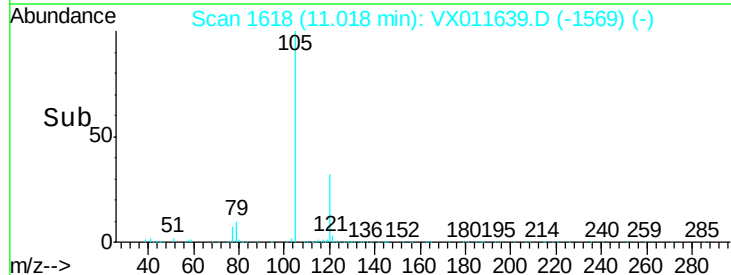
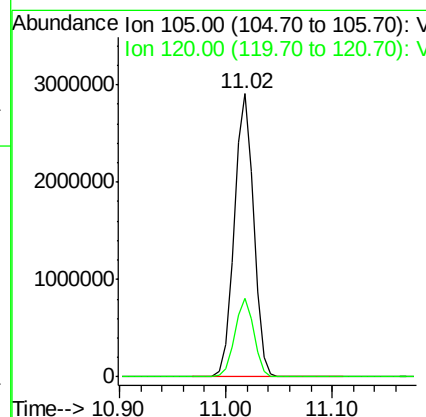
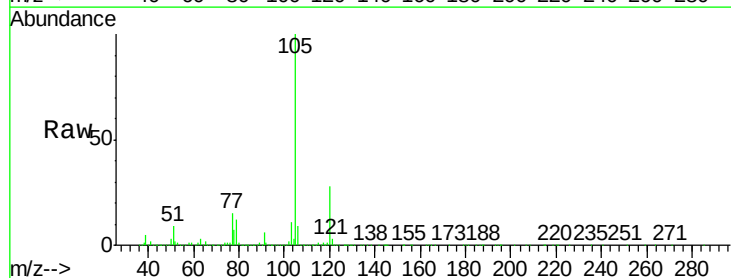
MMDadoda
8/20/2019 3:41:48 PM

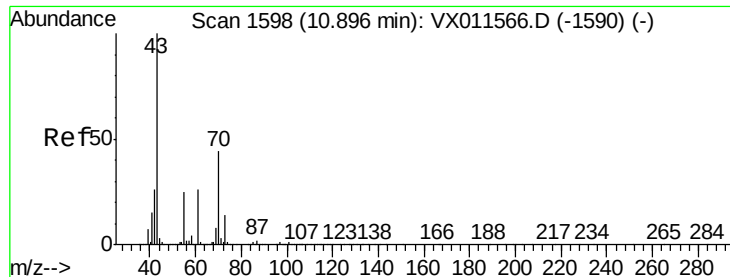


#73

Isopropylbenzene
Concen: 233.326 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	3705712		
120	27.4	14.0	41.9	





#74

N-amvl acetate

Concen: 45.800 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

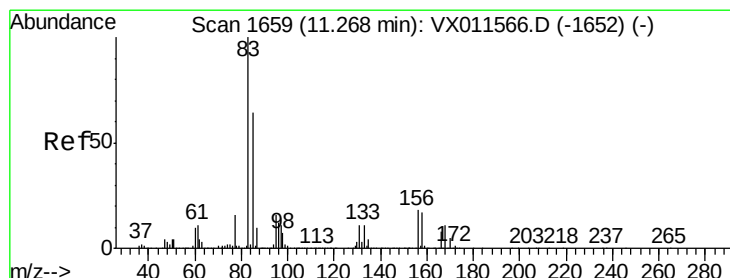
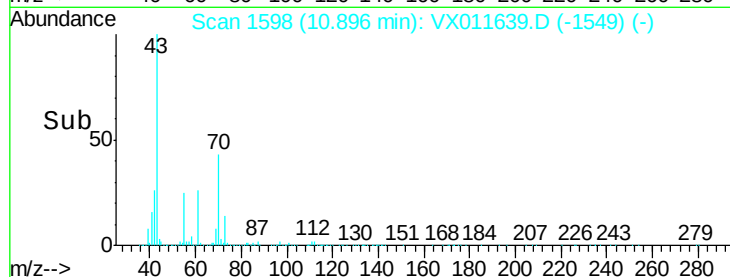
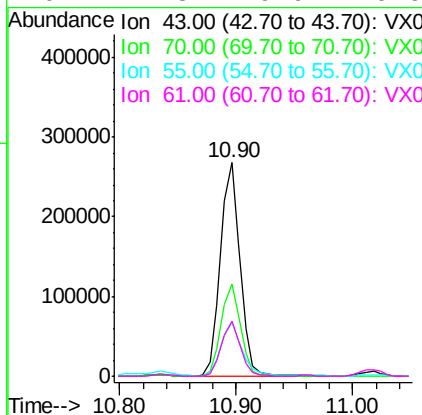
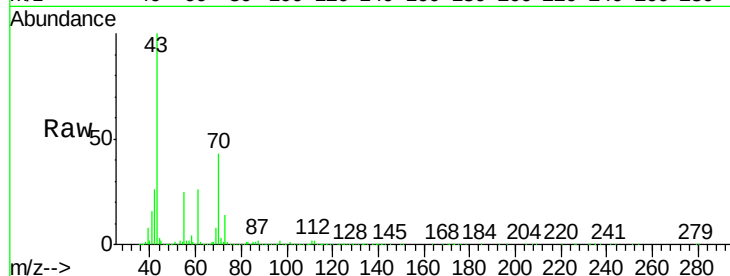
ClientSampleId :

PH2-0142MS

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	42.6	34.7	52.1	
55	26.6	19.6	29.4	
61	24.8	19.9	29.9	

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 50.312 ug/l

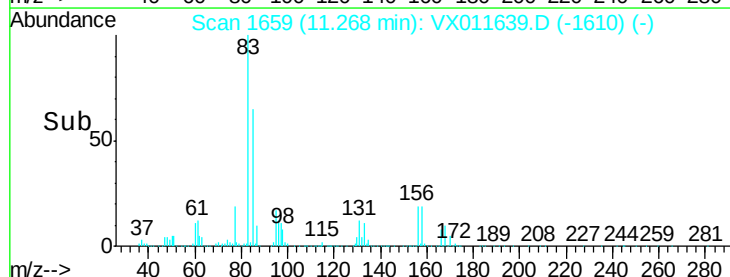
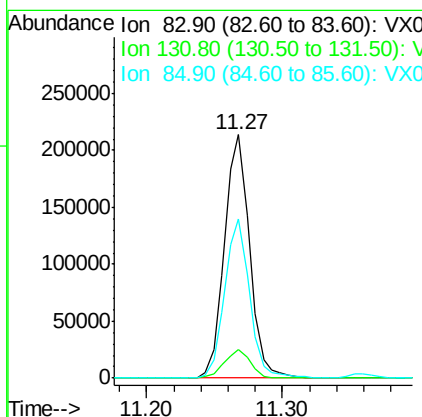
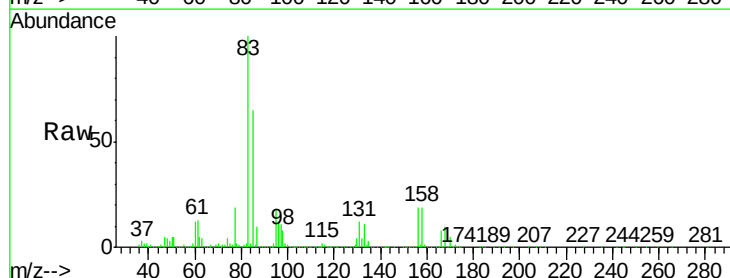
RT: 11.27 min Scan# 1659

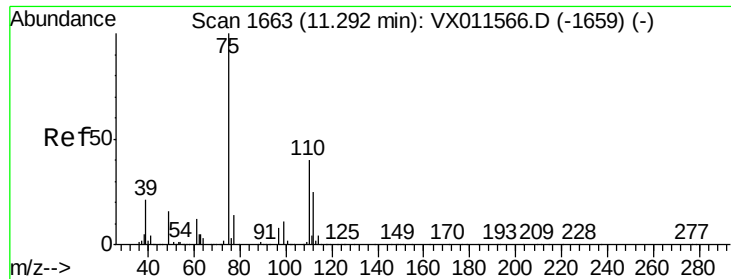
Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	11.9	5.8	17.3	
85	64.6	31.9	95.9	





#76

1,2,3-Trichloropropane

Concen: 66.688 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampled :

PH2-0142MS

Tot Ion: 75 Resp: 309515

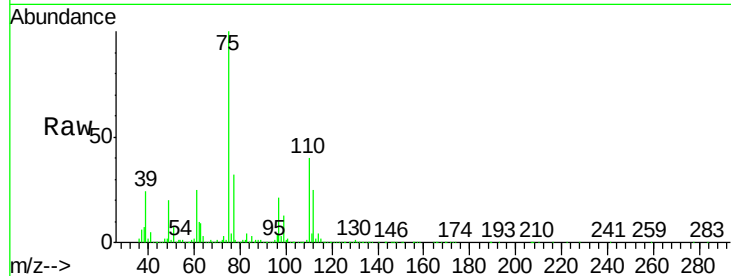
Ion Ratio Lower Upper

75 100

77 32.2 20.9 62.8

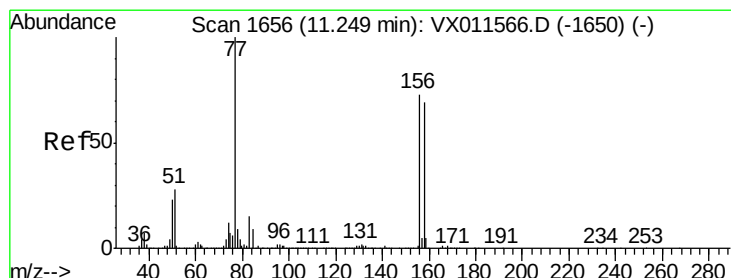
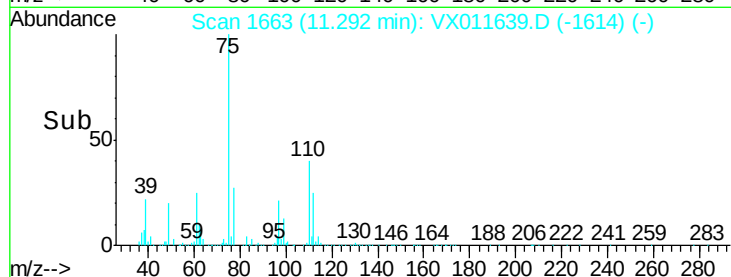
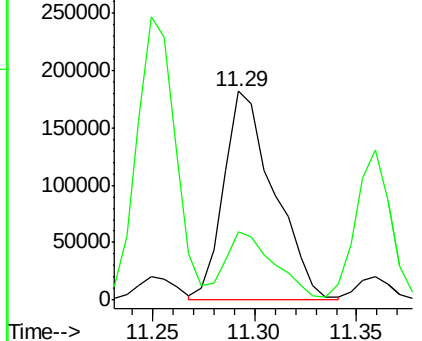
Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 49.563 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

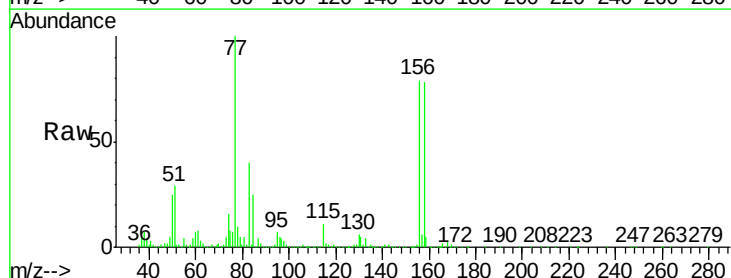
Tgt Ion: 156 Resp: 234197

Ion Ratio Lower Upper

156 100

77 136.8 64.6 193.9

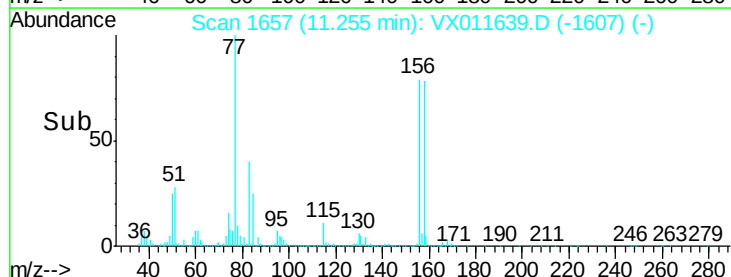
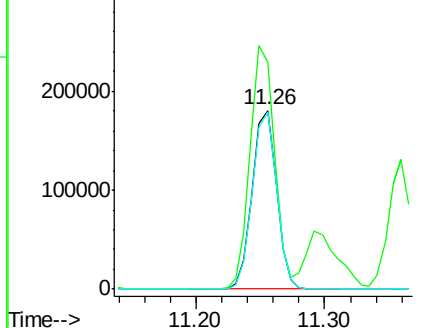
158 98.8 48.4 145.3

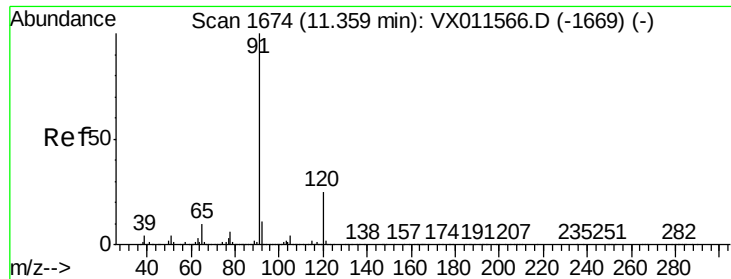


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 227.436 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142MS

Tot Ion: 91 Resp: 3895003

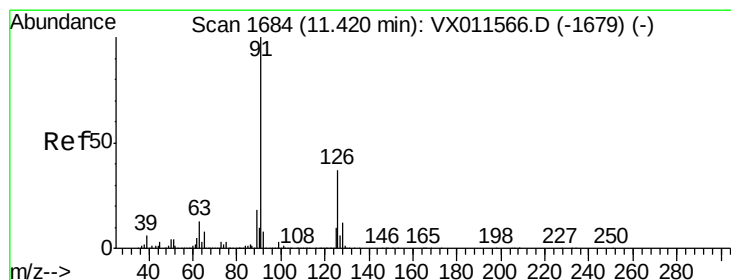
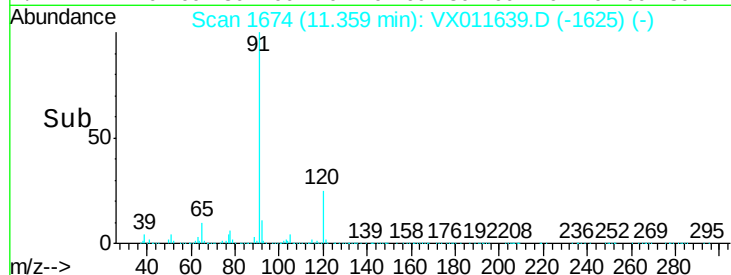
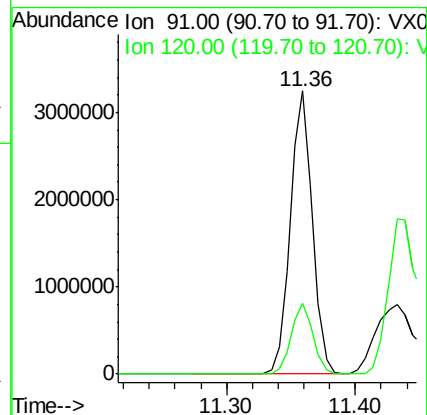
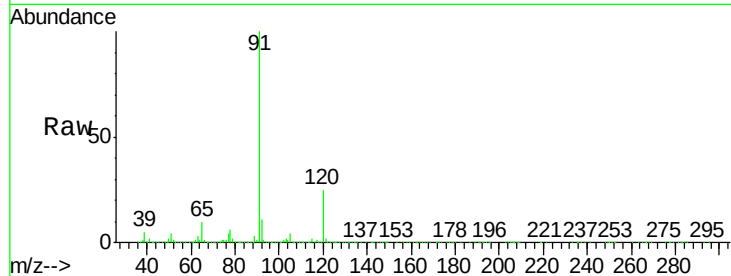
Ion Ratio Lower Upper

91 100

120 24.7 12.6 37.6

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#79

2-Chlorotoluene

Concen: 169.311 ug/l m

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX011639.D

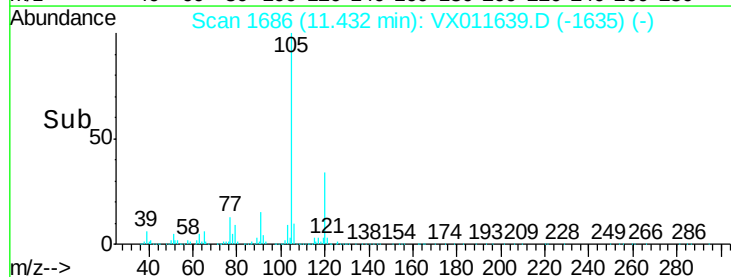
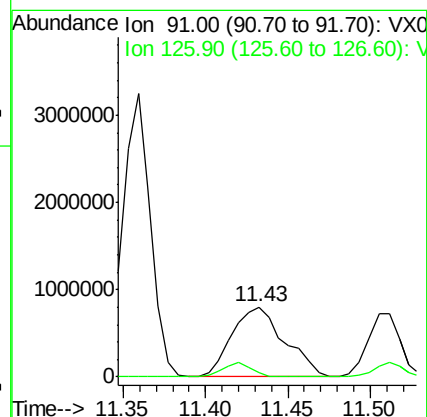
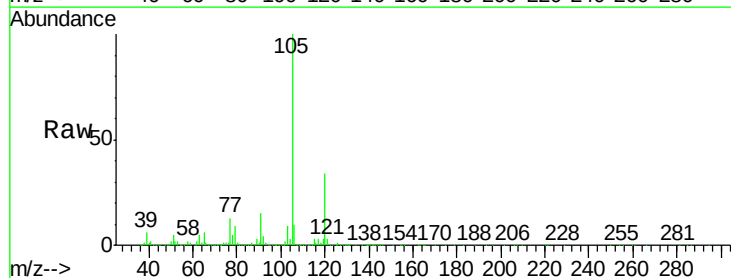
Acq: 19 Aug 2019 18:03

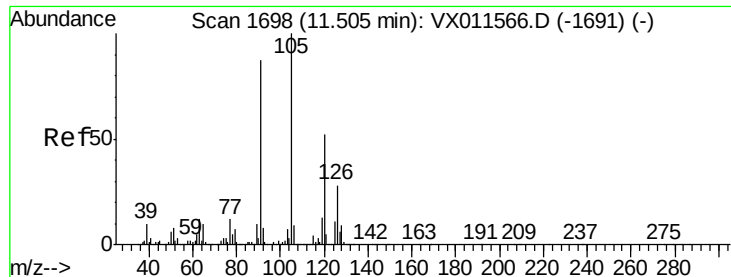
Tgt Ion: 91 Resp: 1780487

Ion Ratio Lower Upper

91 100

126 11.2 18.4 55.0#





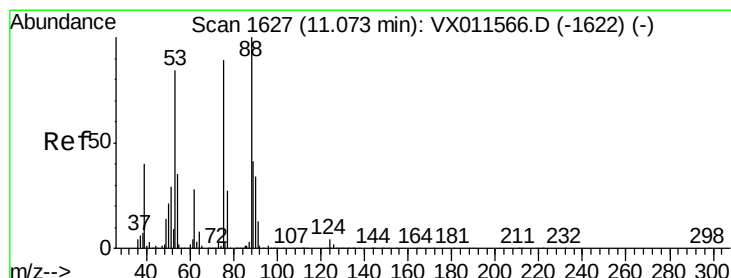
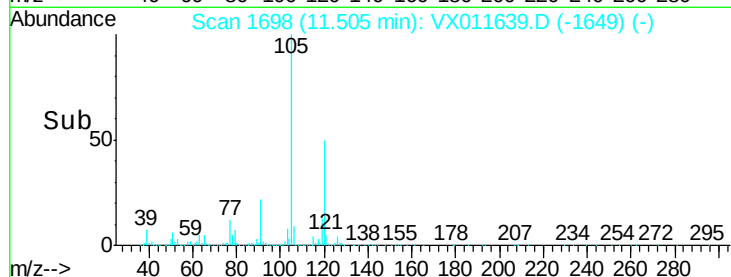
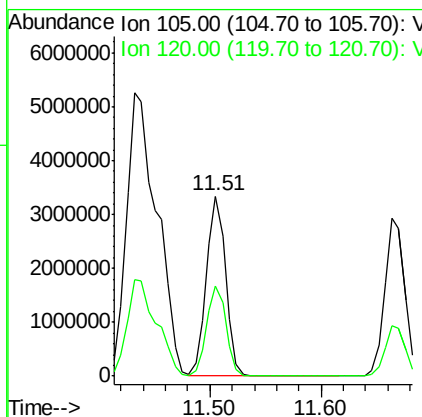
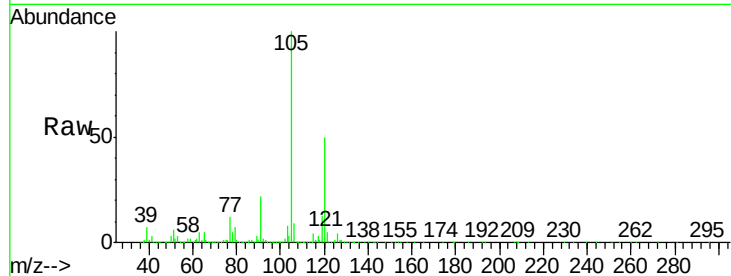
#80
 1,3,5-Trimethylbenzene
 Concen: 301.481 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

Tot Ion:105 Resp: 4022219
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.3 75.8

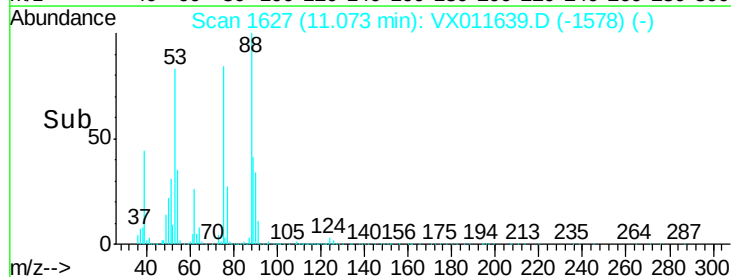
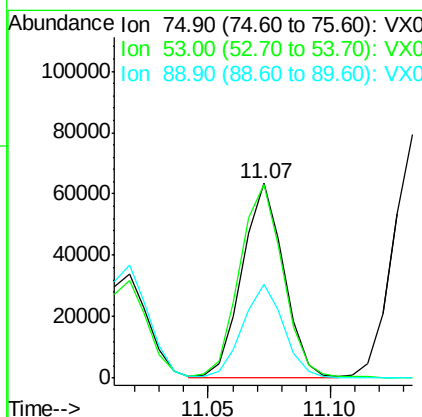
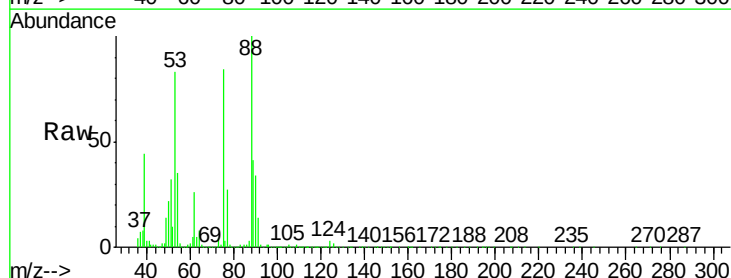
Manual Integrations
 APPROVED

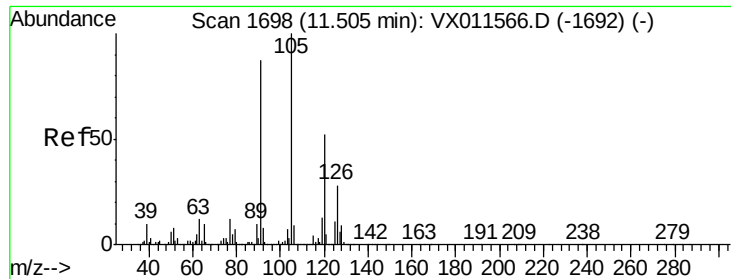
MMDadoda
 8/20/2019 3:41:48 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.196 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Tgt Ion: 75 Resp: 74740
 Ion Ratio Lower Upper
 75 100
 53 103.3 77.4 116.0
 89 47.5 37.3 55.9





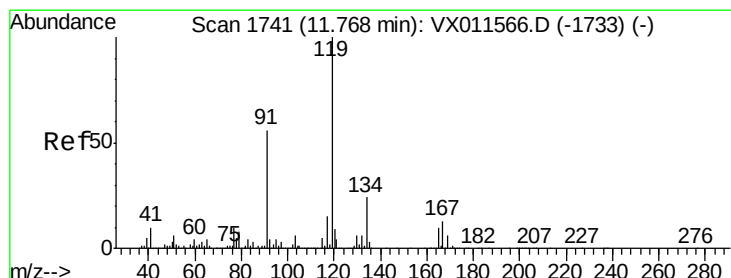
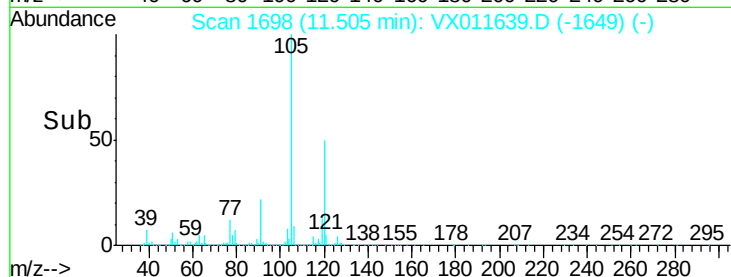
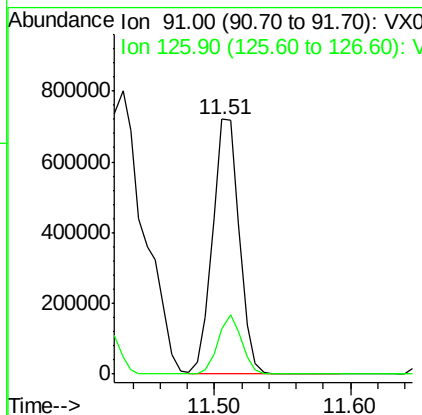
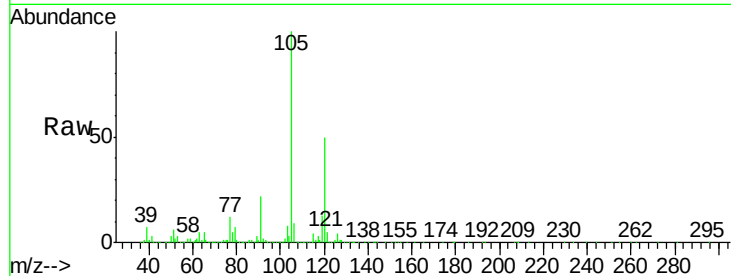
#82
4-Chlorotoluene
Concen: 80.070 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	20.4	16.4	49.1

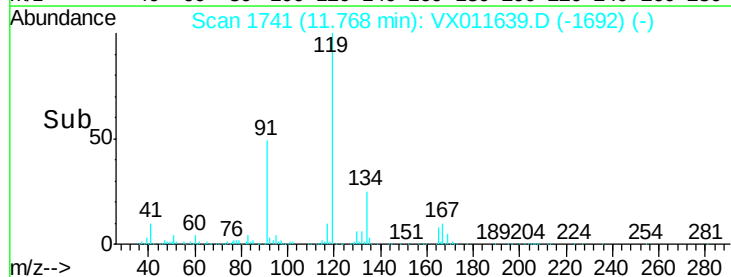
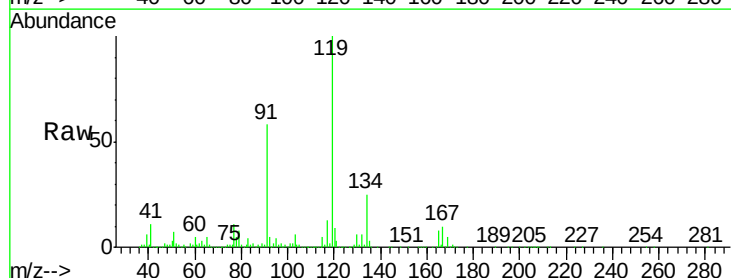
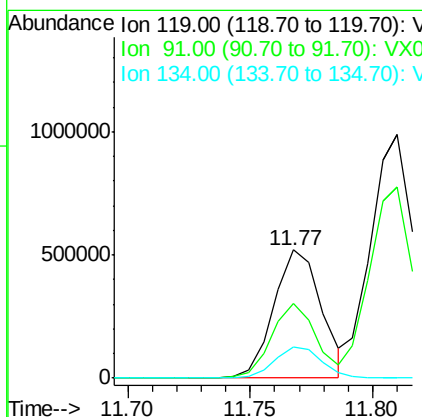
Manual Integrations
APPROVED

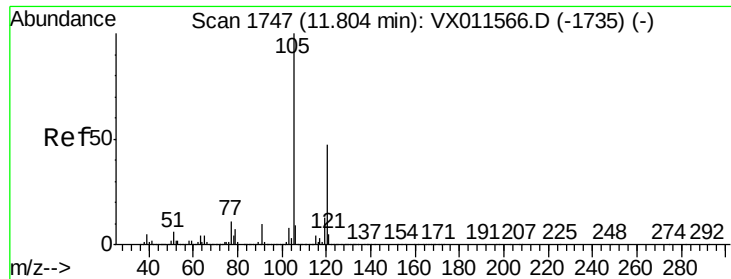
MMDadoda
8/20/2019 3:41:48 PM



#83
tert-Butylbenzene
Concen: 51.605 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.4	27.1	81.3
134	24.3	11.8	35.3





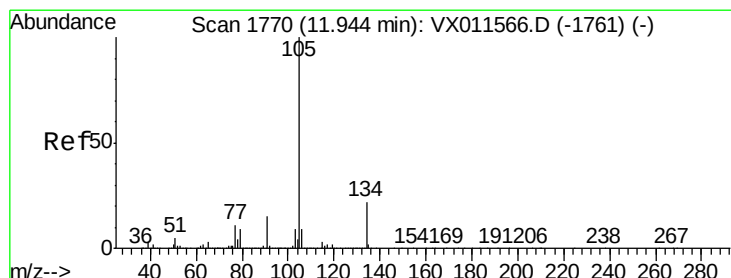
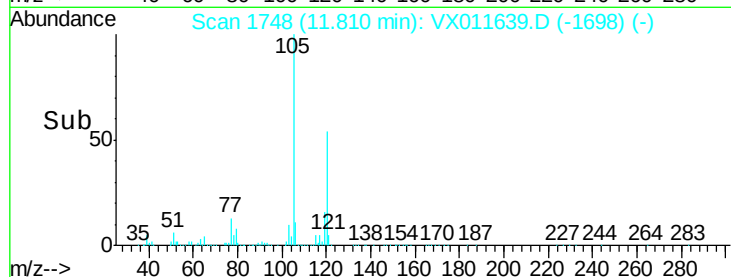
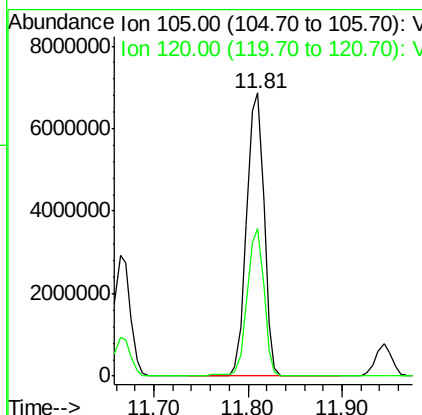
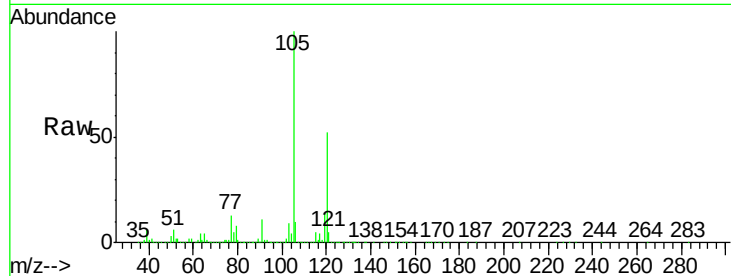
#84
 1,2,4-Trimethylbenzene
 Concen: 659.994 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

Tot Ion:105 Resp: 8839890
 Ion Ratio Lower Upper
 105 100
 120 50.6 23.3 69.9

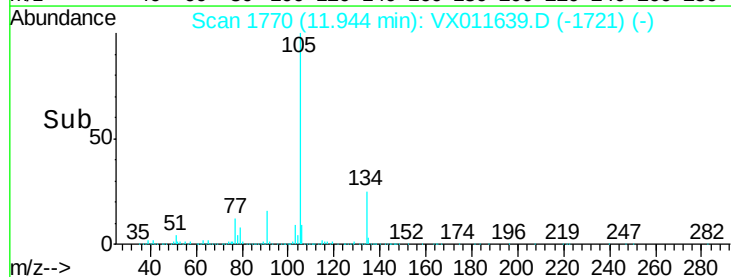
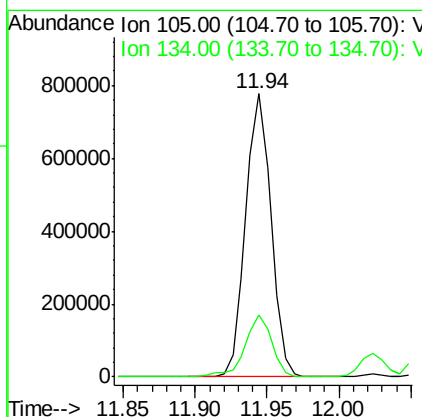
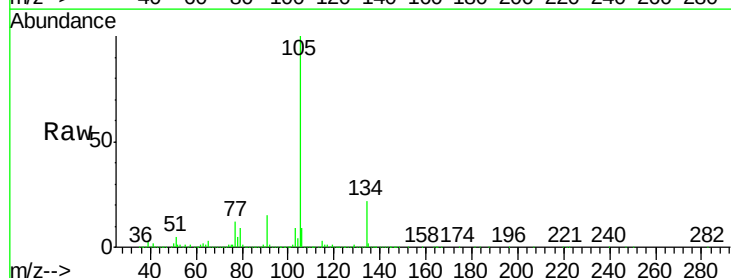
Manual Integrations
 APPROVED

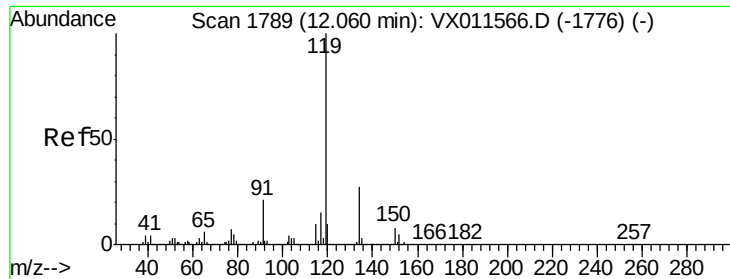
MMDadoda
 8/20/2019 3:41:48 PM



#85
 sec-Butylbenzene
 Concen: 61.706 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Tgt Ion:105 Resp: 945991
 Ion Ratio Lower Upper
 105 100
 134 23.0 10.8 32.4





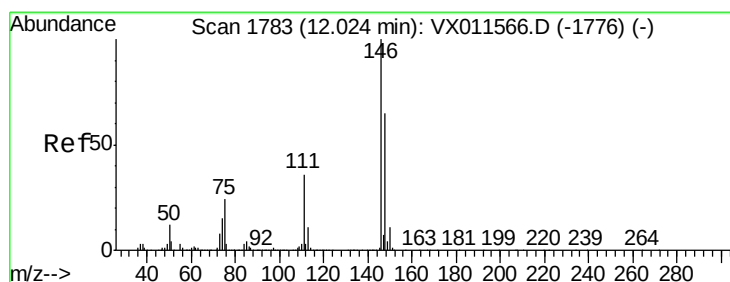
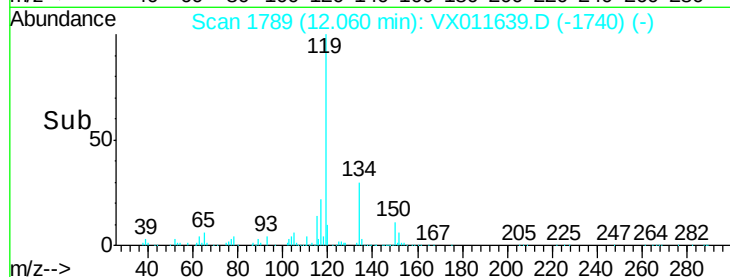
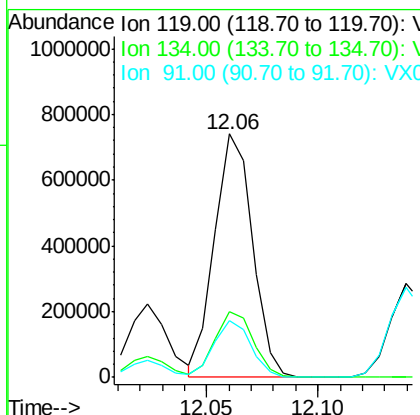
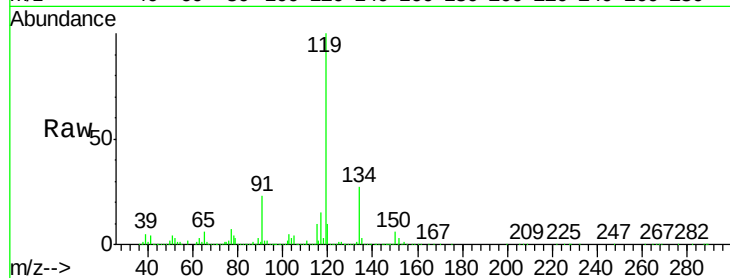
#86
 p-Isopropyltoluene
 Concen: 60.859 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.8
91	22.7	10.9	32.9

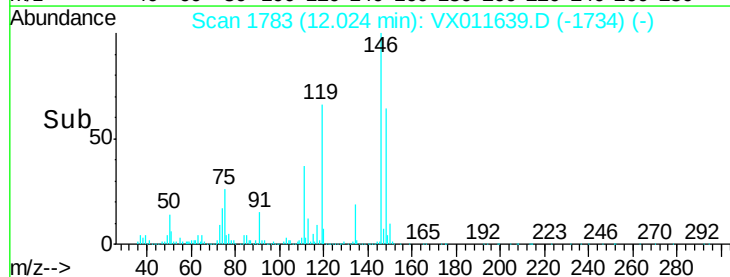
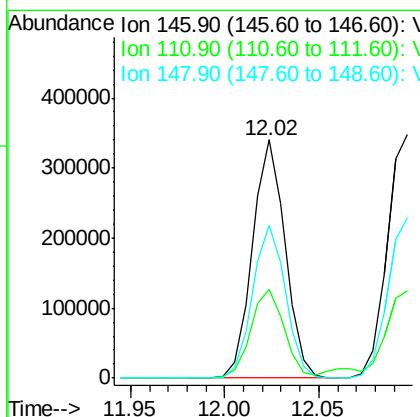
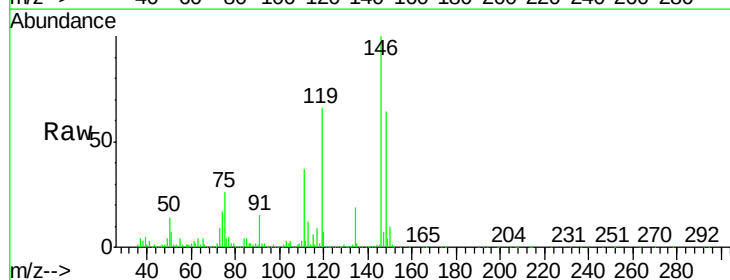
Manual Integrations
 APPROVED

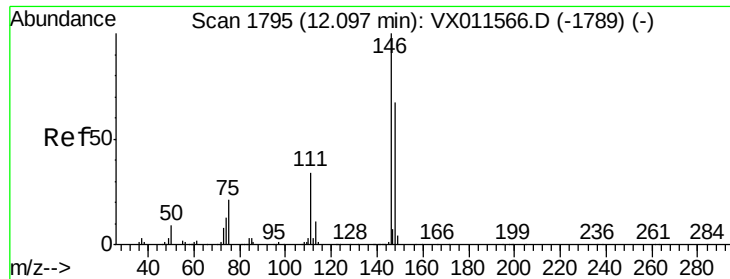
MMDadoda
 8/20/2019 3:41:48 PM



#87
 1,3-Dichlorobenzene
 Concen: 50.200 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.1	54.4
148	64.9	32.0	96.0





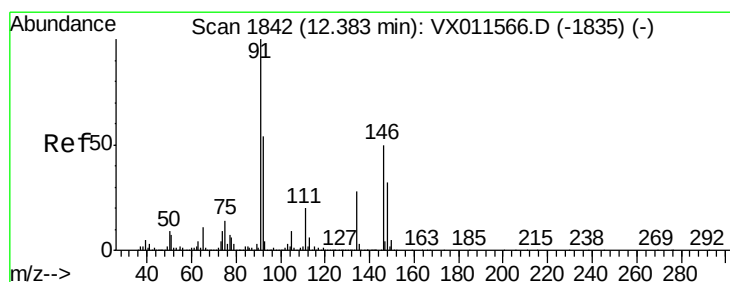
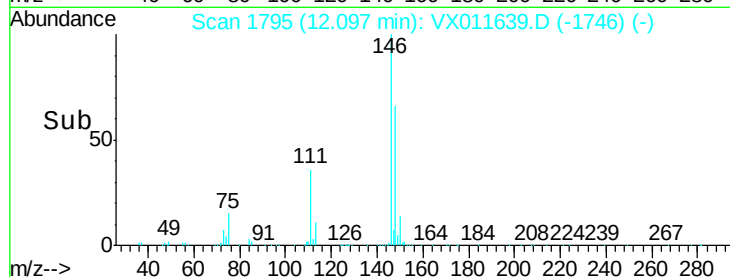
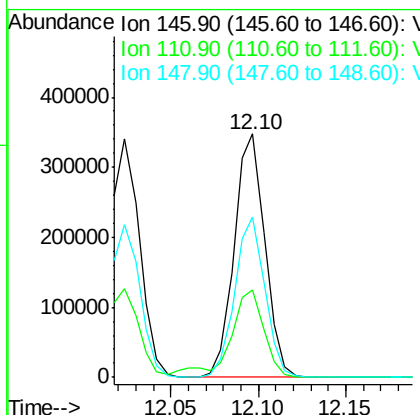
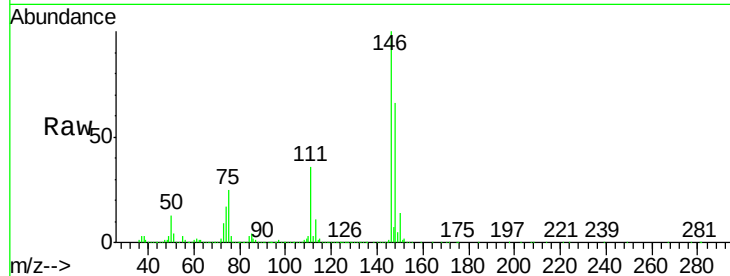
#88
 1,4-Dichlorobenzene
 Concen: 51.362 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	17.9	53.7
148	64.9	32.5	97.5

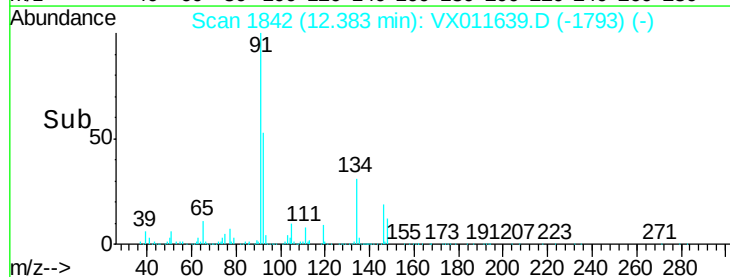
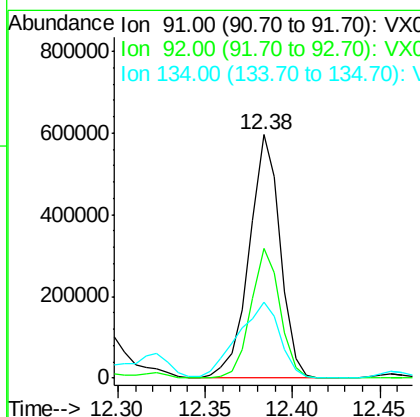
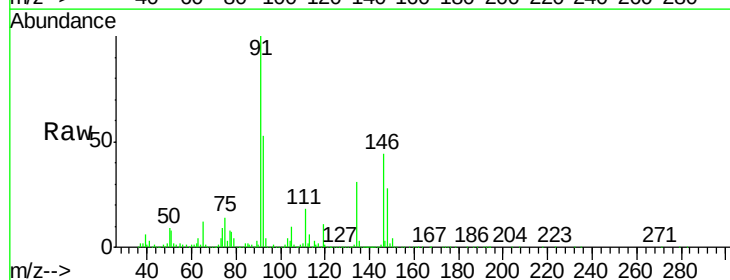
Manual Integrations
 APPROVED

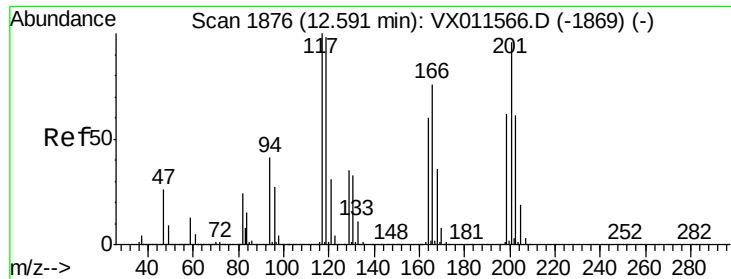
MMDadoda
 8/20/2019 3:41:48 PM



#89
 n-Butylbenzene
 Concen: 61.875 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.0	26.8	80.3
134	42.5	14.6	44.0





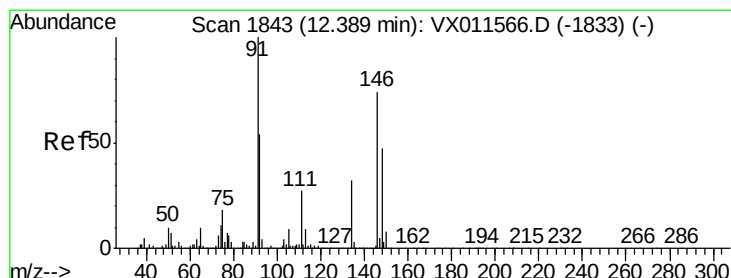
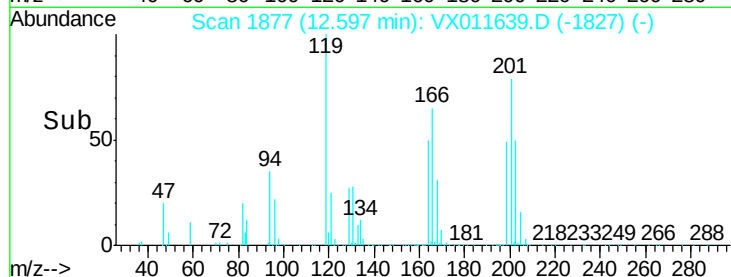
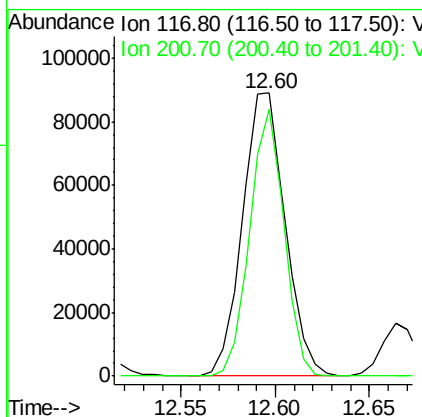
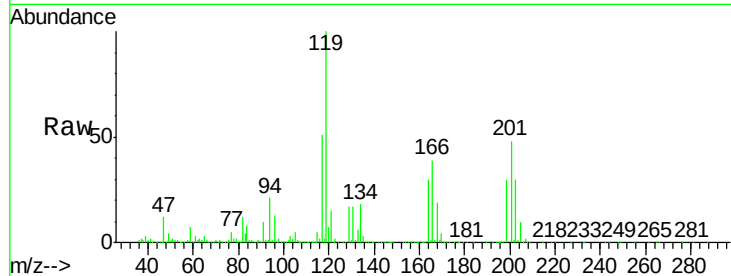
#90
Hexachloroethane
Concen: 61.263 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion:117 Resp: 139529
Ion Ratio Lower Upper
117 100
201 76.0 51.9 155.7

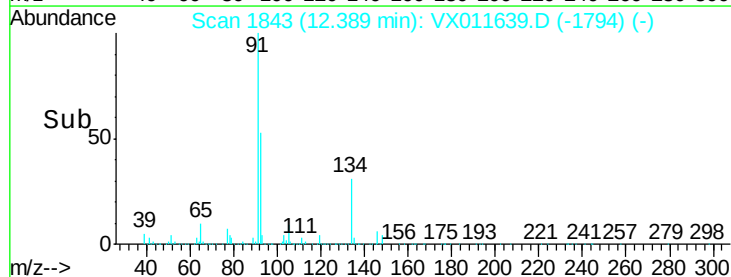
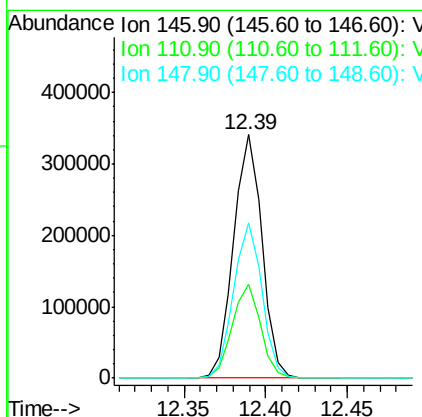
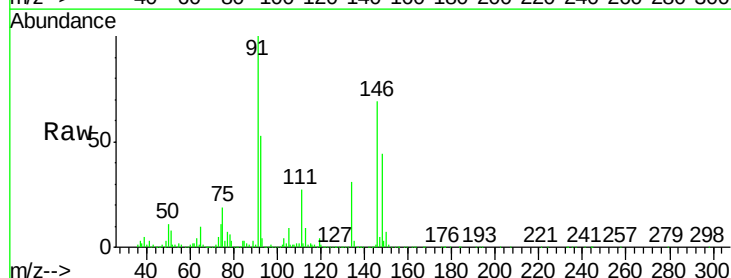
Manual Integrations
APPROVED

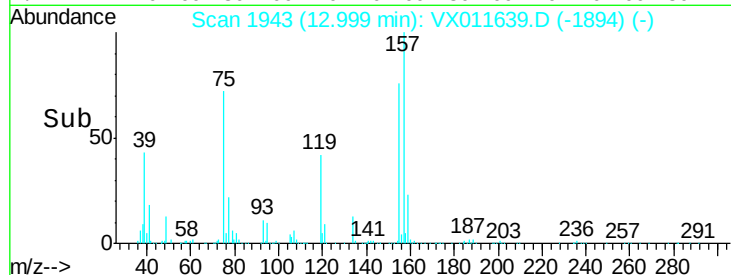
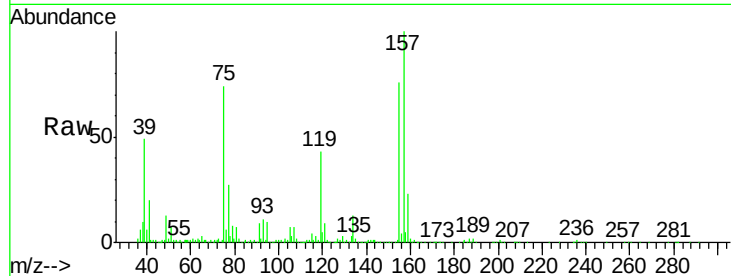
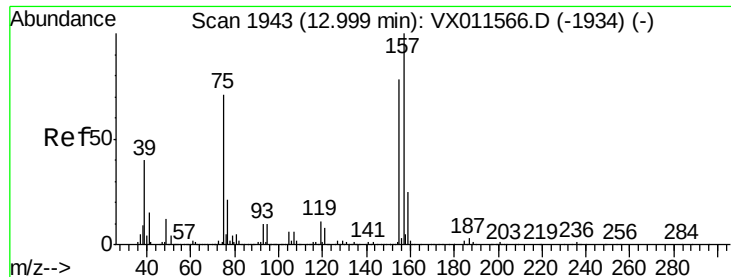
MMDadoda
8/20/2019 3:41:48 PM



#91
1,2-Dichlorobenzene
Concen: 50.780 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion:146 Resp: 414012
Ion Ratio Lower Upper
146 100
111 38.3 18.9 56.7
148 63.5 31.9 95.9





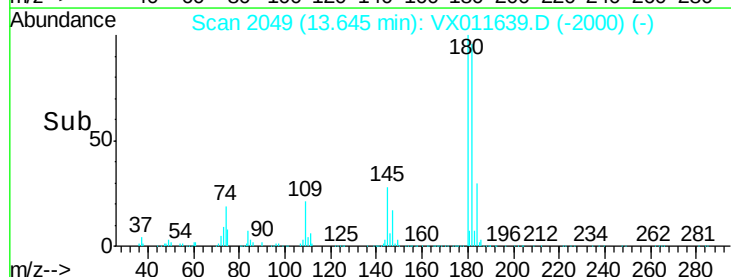
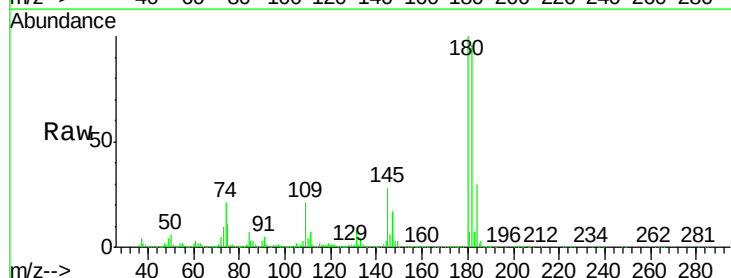
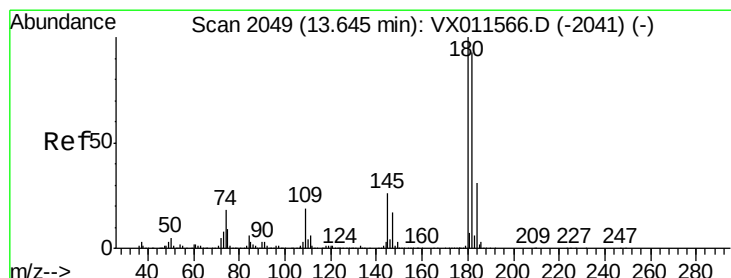
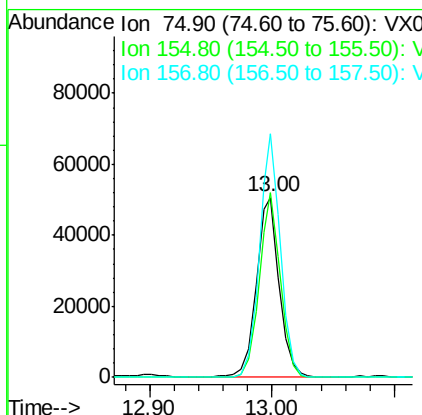
#92
1,2-Dibromo-3-Chloropropane
Concen: 52.338 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	95.3	53.0	159.0
157	123.0	68.3	205.1

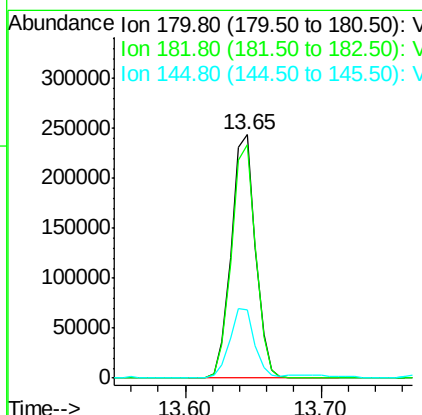
Manual Integrations
APPROVED

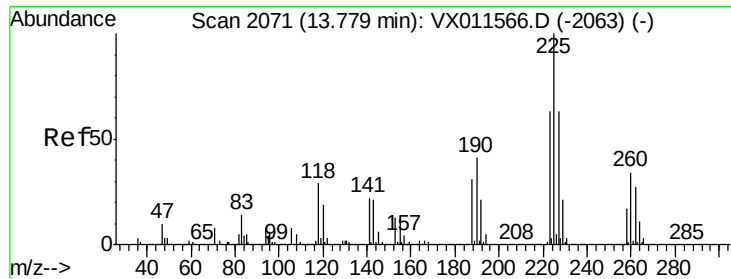
MMDadoda
8/20/2019 3:41:48 PM



#93
1,2,4-Trichlorobenzene
Concen: 49.709 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX011639.D
Acq: 19 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	142.0
145	29.1	13.6	40.8





#94

Hexachlorobutadiene

Concen: 39.532 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Instrument :

MSVOA_X

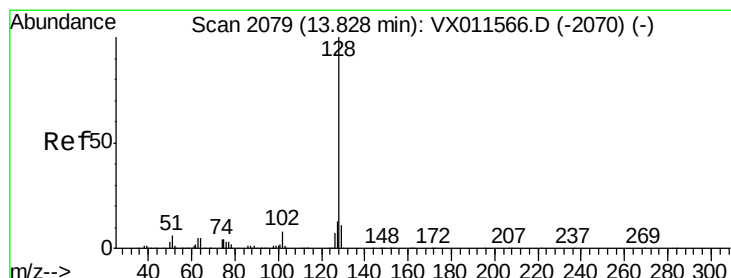
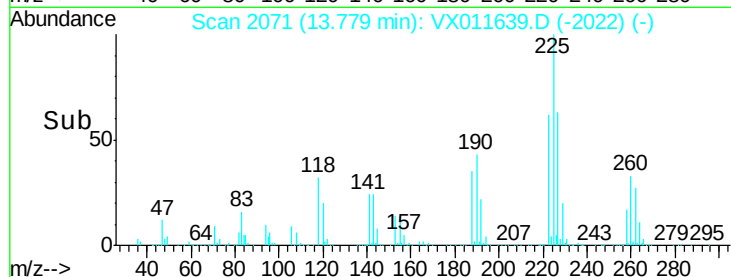
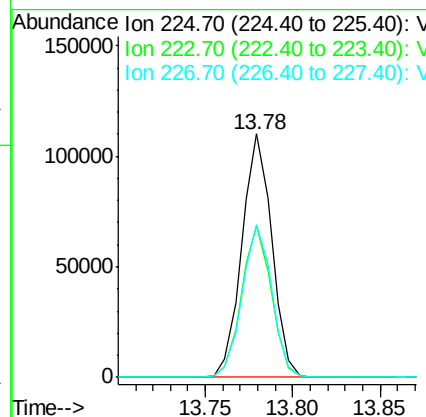
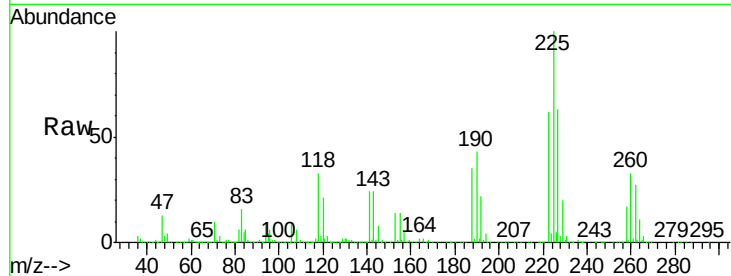
ClientSampleId :

PH2-0142MS

Tot Ion:	225	Resp:	130766
Ion Ratio		Lower	Upper
225	100		
223	62.0	31.4	94.0
227	62.3	31.2	93.6

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:48 PM



#95

Naphthalene

Concen: 172.215 ug/l

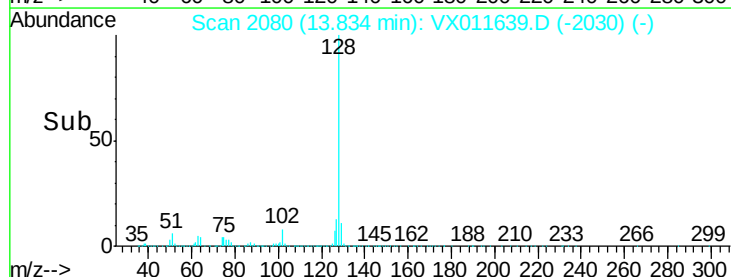
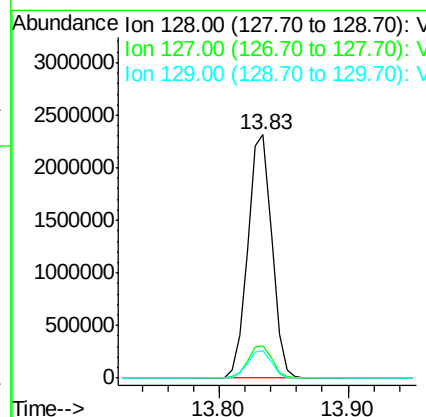
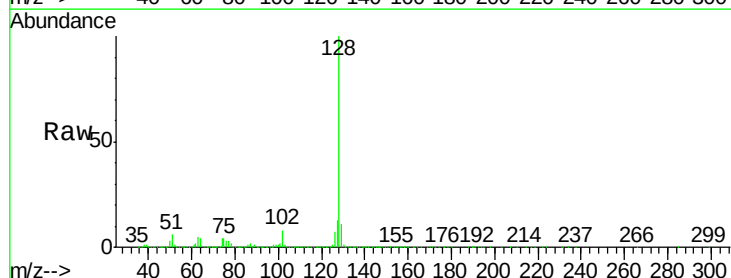
RT: 13.83 min Scan# 2080

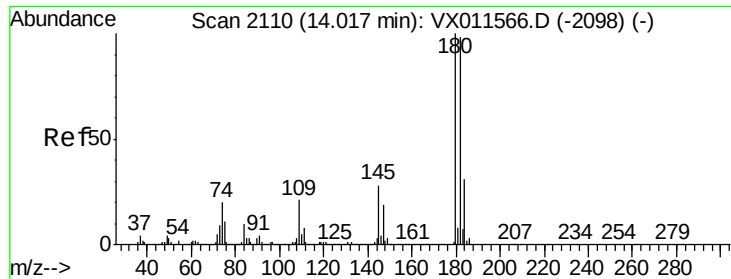
Delta R.T. 0.01 min

Lab File: VX011639.D

Acq: 19 Aug 2019 18:03

Tgt Ion:	128	Resp:	2957591
Ion Ratio		Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.2	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 50.406 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX011639.D
 Acq: 19 Aug 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

Tot Ion:	180	Resp:	308847
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.0	144.0
145	32.0	14.6	43.8

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 3:41:48 PM

