

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020419\
 Data File : VX007362.D
 Acq On : 04 Feb 2019 16:29
 Operator : JC/SP
 Sample : VX0204WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 9:52:44 AM

Quant Time: Feb 05 00:50:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	478440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	702000	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	650557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	331780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	254115	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	5.51	113	230514	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	8.71	98	863972	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.13	95	304811	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	121649	20.795	ug/l	98
3) Chloromethane	1.33	50	111764	20.740	ug/l	100
4) Vinyl Chloride	1.41	62	114491	21.656	ug/l	99
5) Bromomethane	1.64	94	105464	19.880	ug/l	98
6) Chloroethane	1.72	64	70031	20.477	ug/l	99
7) Trichlorofluoromethane	1.93	101	172133	20.814	ug/l	98
8) Diethyl Ether	2.19	74	63032	20.249	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	95451	19.403	ug/l	99
10) Methyl Iodide	2.51	142	145661	20.128	ug/l	99
11) Tert butyl alcohol	3.07	59	121260	115.382	ug/l	99
12) 1,1-Dichloroethene	2.38	96	90289	19.765	ug/l	96
13) Acrolein	2.30	56	62460	126.741	ug/l	100
14) Allyl chloride	2.73	41	153007	20.557	ug/l	98
15) Acrylonitrile	3.15	53	275457	105.952	ug/l	99
16) Acetone	2.45	43	243309	104.594	ug/l	97
17) Carbon Disulfide	2.57	76	222921	19.991	ug/l	100
18) Methyl Acetate	2.78	43	162742	27.125	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	300797	20.325	ug/l	100
20) Methylene Chloride	2.86	84	103264	21.509	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	95943	19.716	ug/l	96
22) Diisopropyl ether	3.87	45	281328	20.548	ug/l	94
23) Vinyl Acetate	3.82	43	1179380	103.806	ug/l	100
24) 1,1-Dichloroethane	3.70	63	157063	19.976	ug/l	98
25) 2-Butanone	4.70	43	352511	106.483	ug/l	97
26) 2,2-Dichloropropane	4.59	77	103325	17.256	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	101616	19.118	ug/l	99
28) Bromochloromethane	5.01	49	63309	17.509	ug/l	100
29) Tetrahydrofuran	5.15	42	227603	109.316	ug/l	99
30) Chloroform	5.21	83	163693	19.952	ug/l	95
31) Cyclohexane	5.57	56	136521	19.333	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	140206	20.245	ug/l	98
36) 1,1-Dichloropropene	5.80	75	118449	18.806	ug/l	99
37) Ethyl Acetate	4.85	43	133230	20.925	ug/l	99
38) Carbon Tetrachloride	5.79	117	121434	19.873	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020419\
 Data File : VX007362.D
 Acq On : 04 Feb 2019 16:29
 Operator : JC/SP
 Sample : VX0204WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0204WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 9:52:44 AM

Quant Time: Feb 05 00:50:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	146047	19.165	ug/l	99
40) Benzene	6.15	78	371073	20.000	ug/l	98
41) Methacrylonitrile	5.06	41	72589	21.272	ug/l	99
42) 1,2-Dichloroethane	6.20	62	125542	19.556	ug/l	98
43) Isopropyl Acetate	6.46	43	203261	20.682	ug/l	99
44) Trichloroethene	7.21	130	107413	19.222	ug/l	98
45) 1,2-Dichloropropane	7.52	63	90499	19.468	ug/l	100
46) Dibromomethane	7.66	93	64927	19.216	ug/l	98
47) Bromodichloromethane	7.90	83	111531	19.478	ug/l	99
48) Methyl methacrylate	7.77	41	107162	21.800	ug/l	99
49) 1,4-Dioxane	7.74	88	49870	449.897	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	691698	106.914	ug/l	100
52) Toluene	8.79	92	240240	20.069	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	121387	19.735	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	135083	19.971	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	100638	20.168	ug/l	95
56) Ethyl methacrylate	9.18	69	141653	20.496	ug/l	98
57) 1,3-Dichloropropane	9.37	76	159479	20.097	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	372235	102.186	ug/l	98
59) 2-Hexanone	9.49	43	525635	104.407	ug/l	99
60) Dibromochloromethane	9.58	129	95953	20.332	ug/l	99
61) 1,2-Dibromoethane	9.67	107	106873	20.224	ug/l	100
64) Tetrachloroethene	9.34	164	108878	17.757	ug/l	98
65) Chlorobenzene	10.14	112	276946	19.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	95715	20.110	ug/l	99
67) Ethyl Benzene	10.25	91	449165	19.647	ug/l	98
68) m/p-Xylenes	10.36	106	353985	38.952	ug/l	100
69) o-Xylene	10.70	106	172770	19.757	ug/l	99
70) Styrene	10.71	104	275187	19.404	ug/l	100
71) Bromoform	10.86	173	71036	19.675	ug/l #	98
73) Isopropylbenzene	11.02	105	457033	20.271	ug/l	99
74) N-amyl acetate	10.90	43	181293	20.789	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	144631	21.049	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	138328m	21.434	ug/l	
77) Bromobenzene	11.26	156	126700	19.945	ug/l	99
78) n-propylbenzene	11.36	91	503398	20.361	ug/l	99
79) 2-Chlorotoluene	11.42	91	301715	20.112	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	370851	20.105	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	36557	20.257	ug/l	97
82) 4-Chlorotoluene	11.51	91	341921	19.698	ug/l	98
83) tert-Butylbenzene	11.77	119	369436	20.230	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	391012	20.880	ug/l	100
85) sec-Butylbenzene	11.94	105	447022	20.225	ug/l	100
86) p-Isopropyltoluene	12.06	119	398239	19.959	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	216556	18.995	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	222634	19.248	ug/l	98
89) n-Butylbenzene	12.39	91	326086	18.998	ug/l	99
90) Hexachloroethane	12.60	117	60403	20.228	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	217479	19.168	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	30135	21.092	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020419\
Data File : VX007362.D
Acq On : 04 Feb 2019 16:29
Operator : JC/SP
Sample : VX0204WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

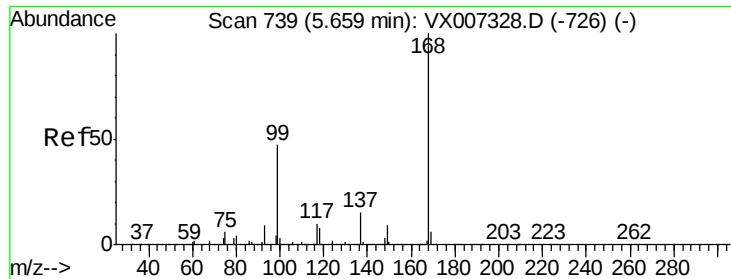
Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM

Quant Time: Feb 05 00:50:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	143370	18.738	ug/l	99
94) Hexachlorobutadiene	13.78	225	69360	18.668	ug/l	99
95) Naphthalene	13.83	128	446289	19.946	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	144418	18.751	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

Tot Ion:168 Resp: 478440

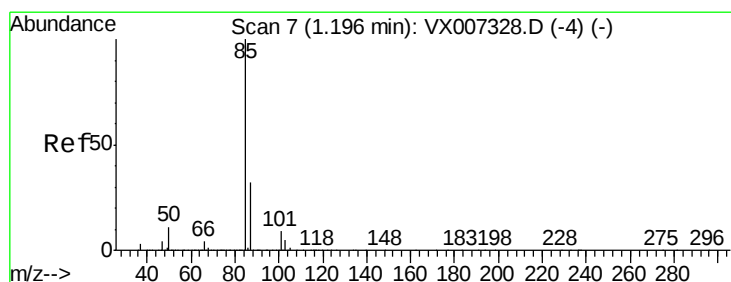
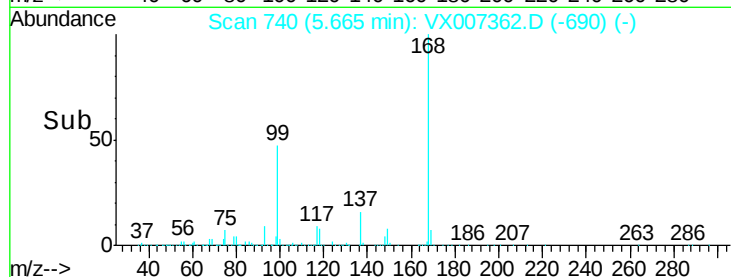
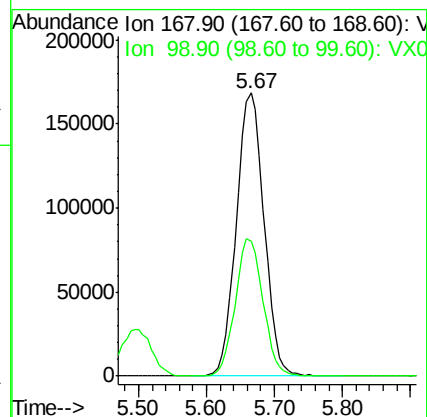
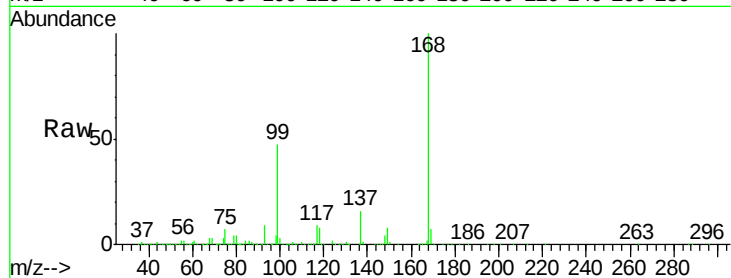
Ion Ratio Lower Upper

168 100

99 47.4 37.9 56.9

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#2

Dichlorodifluoromethane

Concen: 20.795 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007362.D

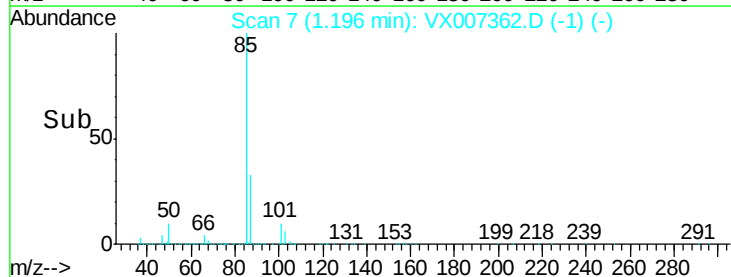
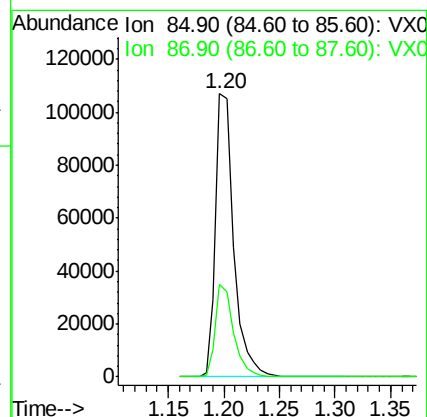
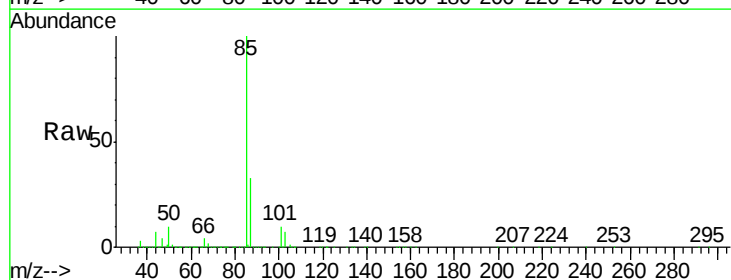
Acq: 04 Feb 2019 16:29

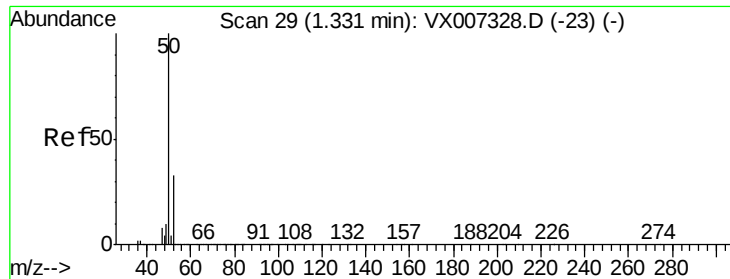
Tgt Ion: 85 Resp: 121649

Ion Ratio Lower Upper

85 100

87 32.7 15.8 47.4





#3

Chloromethane

Concen: 20.740 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

Tot Ion: 50 Resp: 111764

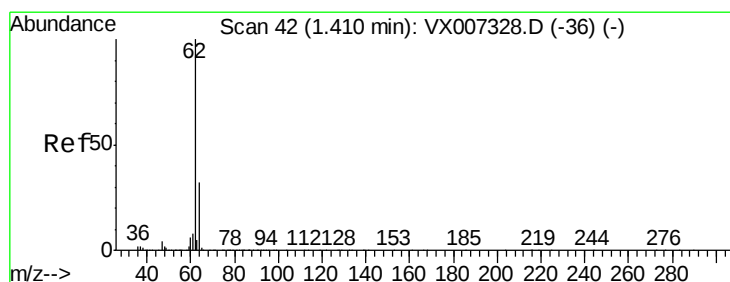
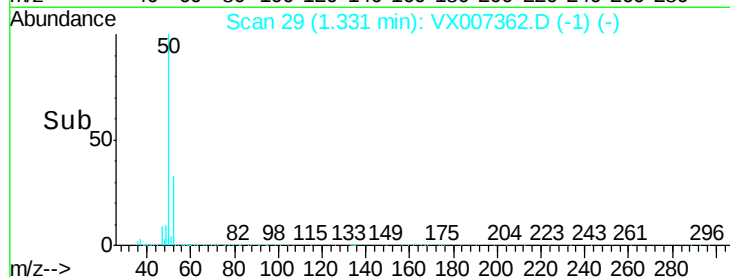
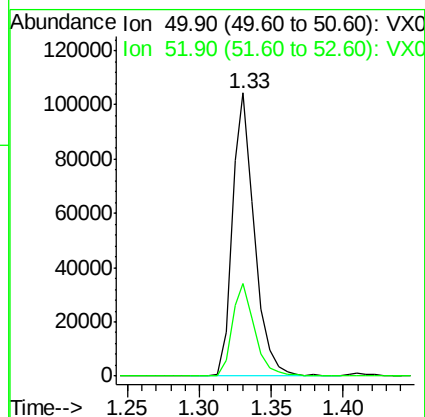
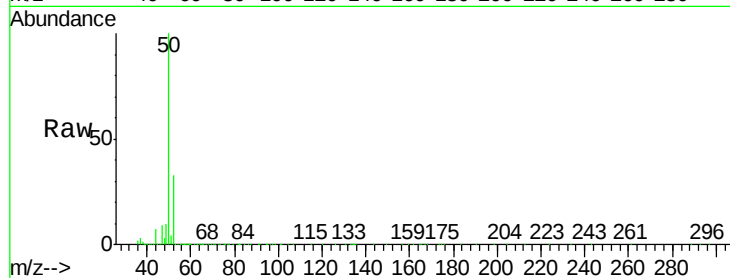
Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#4

Vinyl Chloride

Concen: 21.656 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007362.D

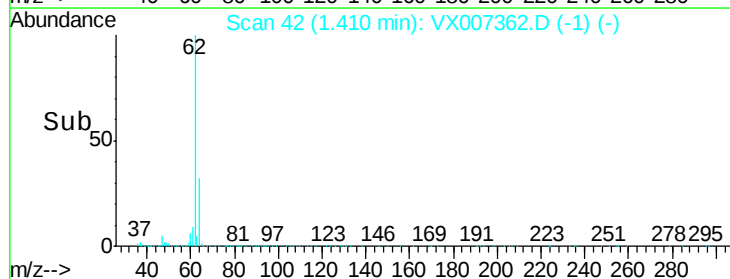
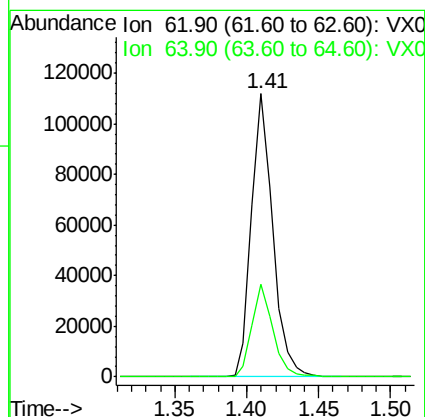
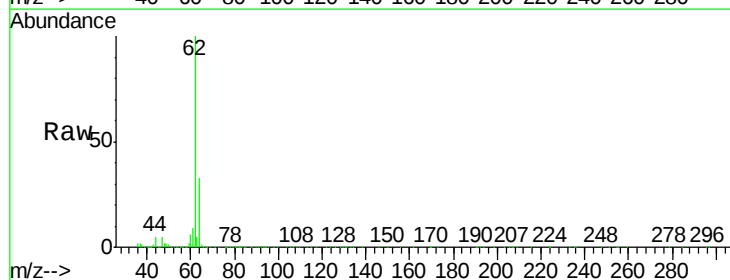
Acq: 04 Feb 2019 16:29

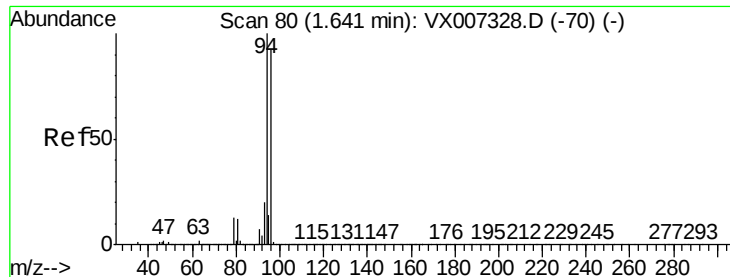
Tgt Ion: 62 Resp: 114491

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 19.880 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

Tot Ion: 94 Resp: 105464

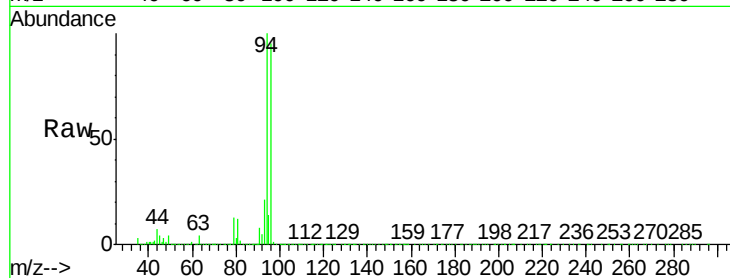
Ion Ratio Lower Upper

94 100

96 94.7 73.9 110.9

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

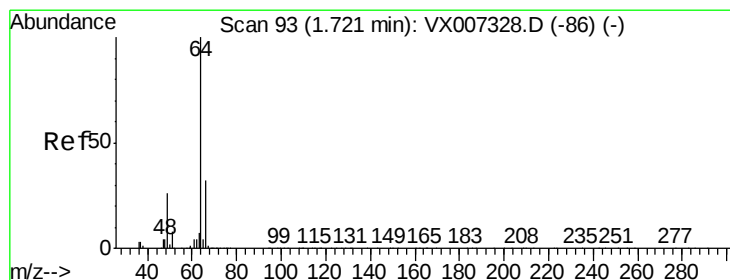
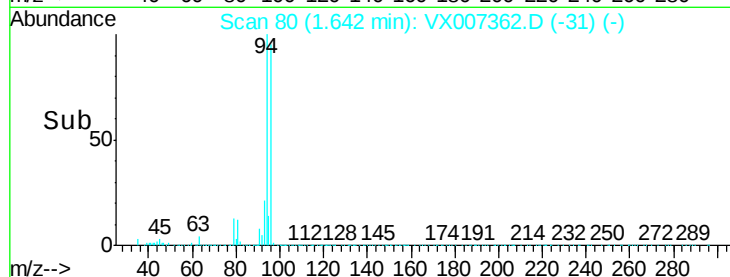
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 20.477 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007362.D

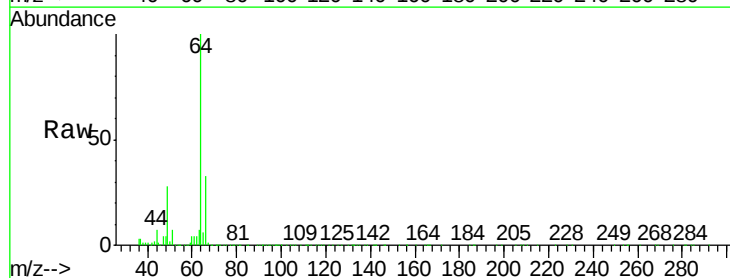
Acq: 04 Feb 2019 16:29

Tgt Ion: 64 Resp: 70031

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

50000

40000

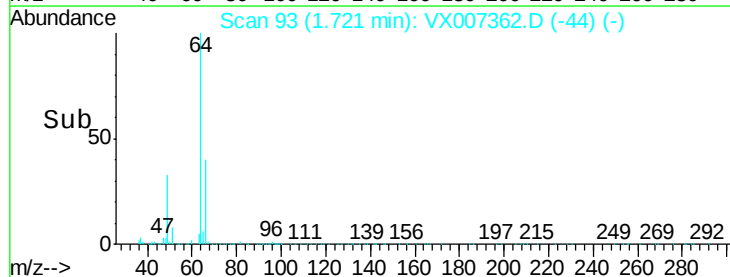
30000

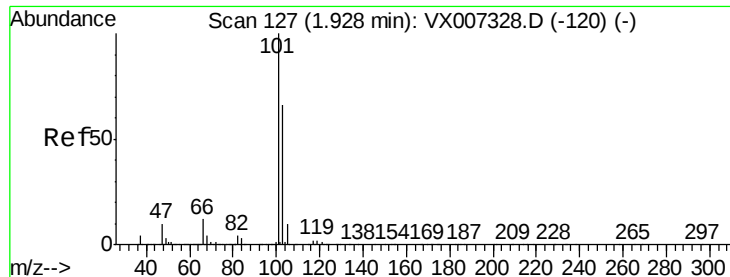
20000

10000

0

Time-->





#7

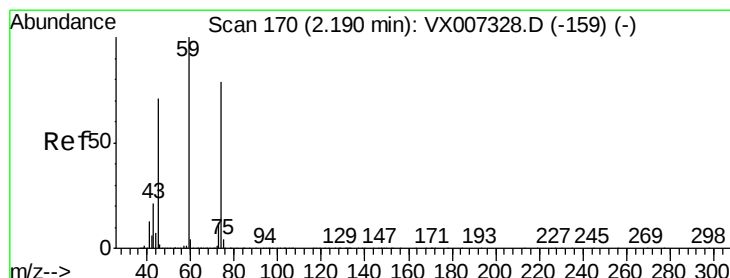
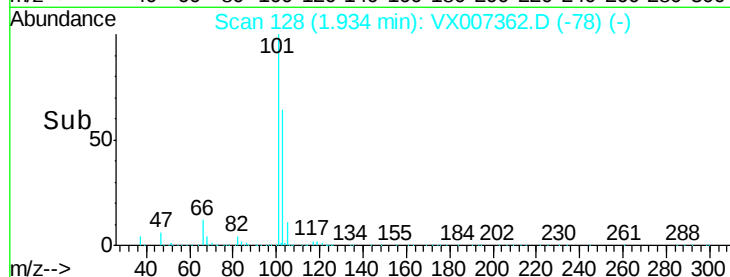
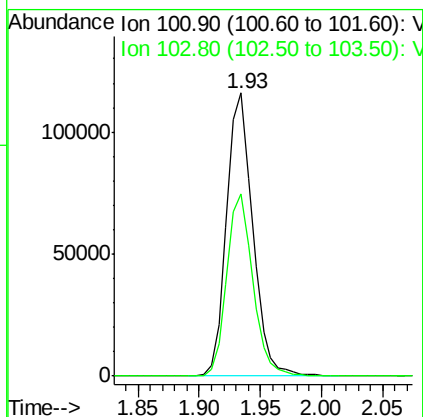
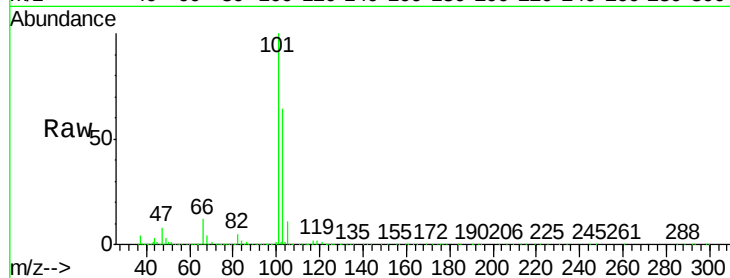
Trichlorofluoromethane
Concen: 20.814 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampled :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.6	79.0

Manual Integrations
APPROVED

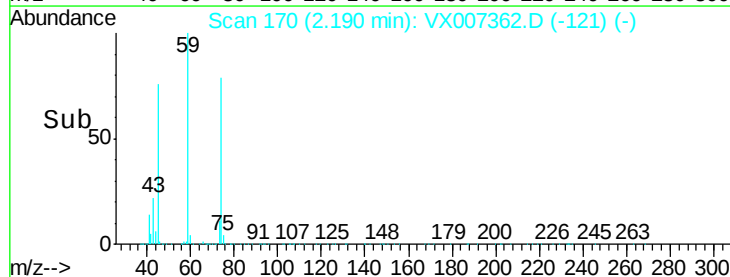
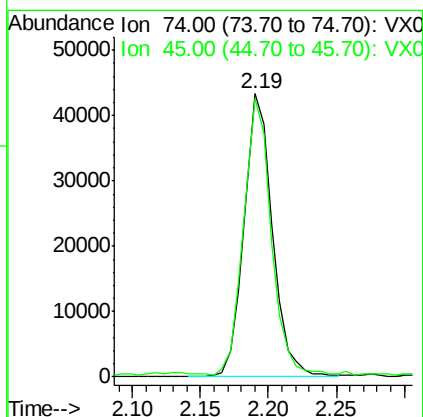
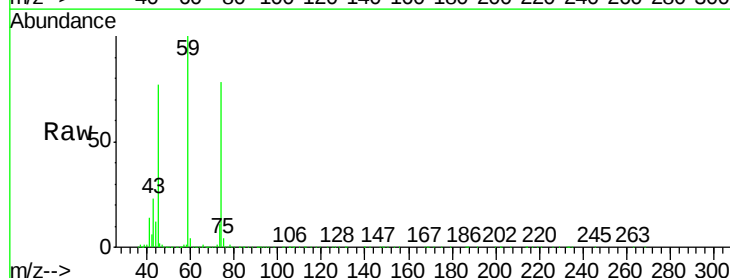
MMDadoda
2/5/2019 9:52:44 AM

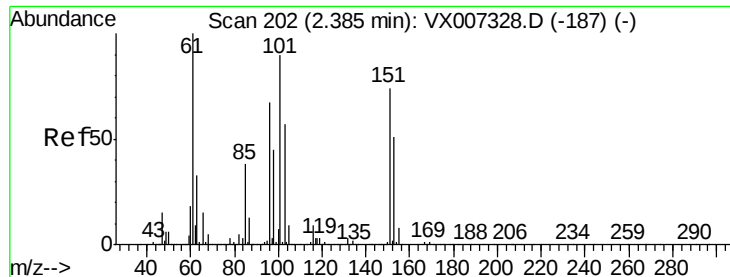


#8

Diethyl Ether
Concen: 20.249 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.403 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

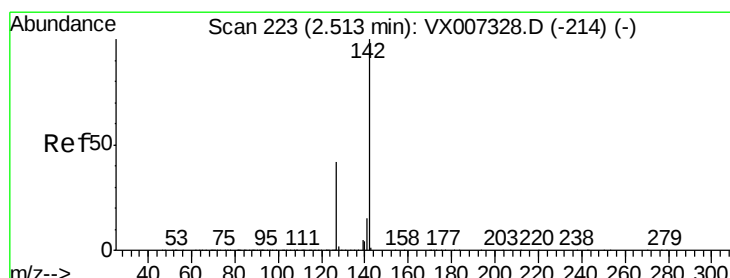
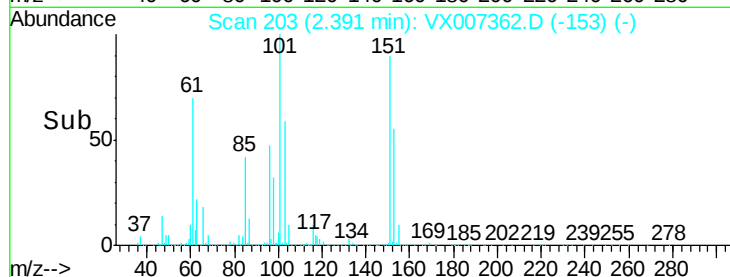
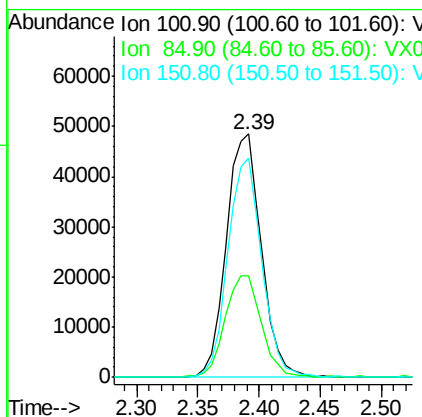
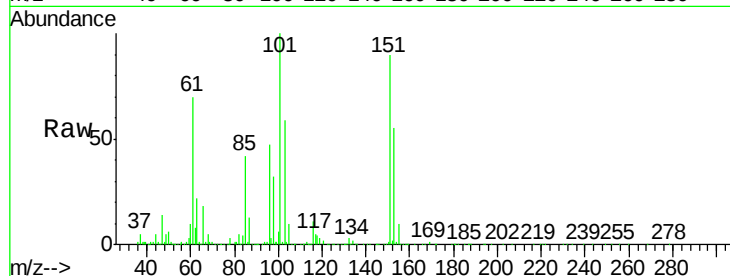
ClientSampleId :

VX0204WBSD01

Tot Ion:	101	Resp:	95451
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.1	51.1
151	88.0	69.9	104.9

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#10

Methyl Iodide

Concen: 20.128 ug/l

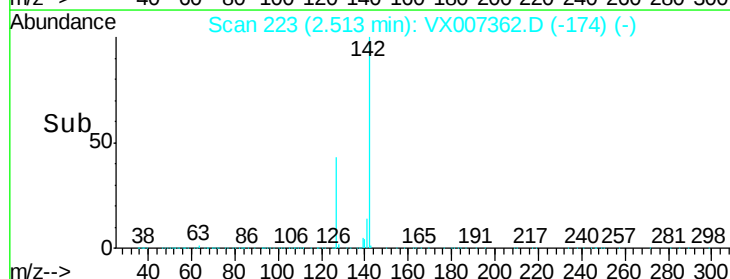
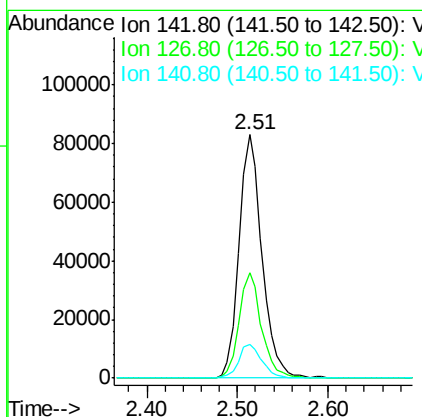
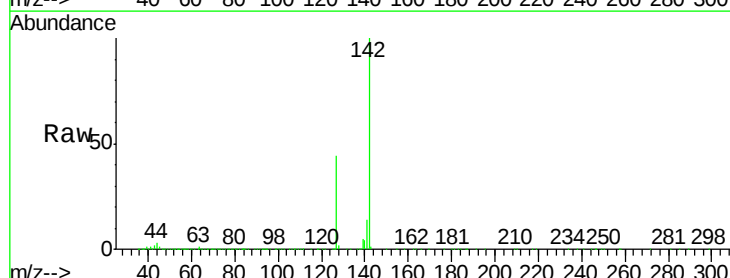
RT: 2.51 min Scan# 223

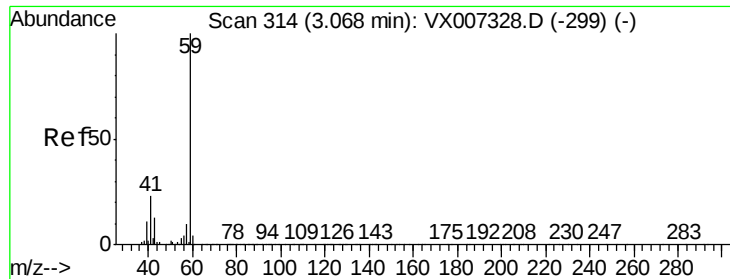
Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Tgt Ion:	142	Resp:	145661
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.7	50.5
141	14.3	11.3	16.9





#11

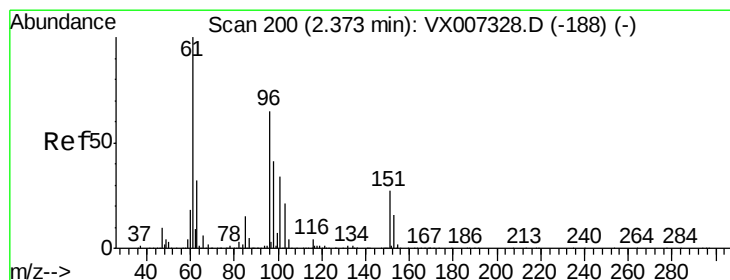
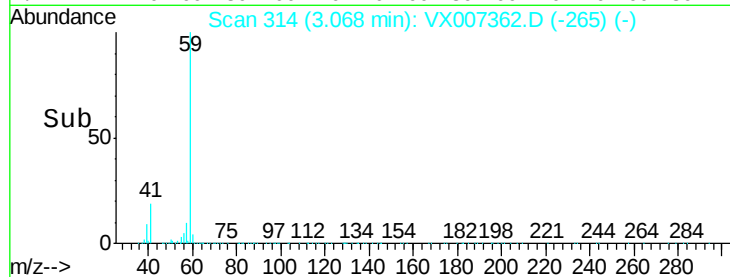
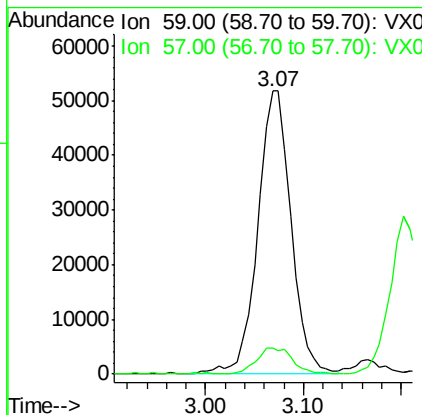
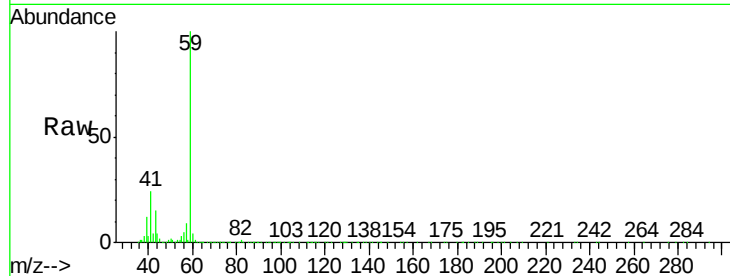
Tert butyl alcohol
 Concen: 115.382 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. 0.00 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

Manual Integrations
 APPROVED

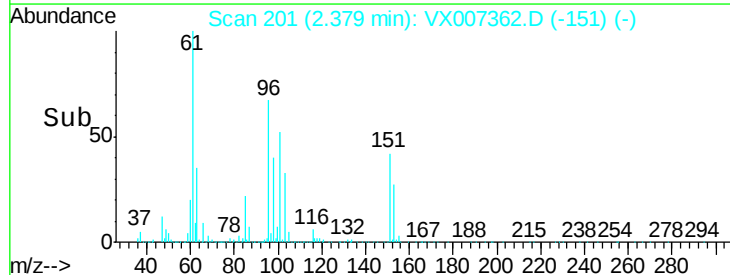
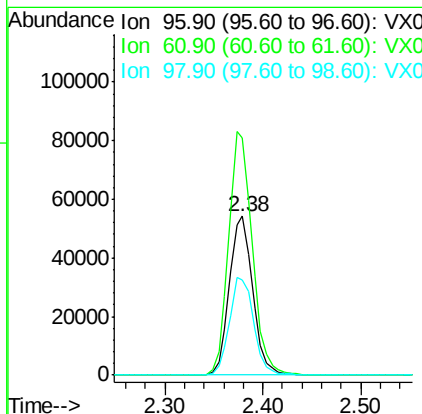
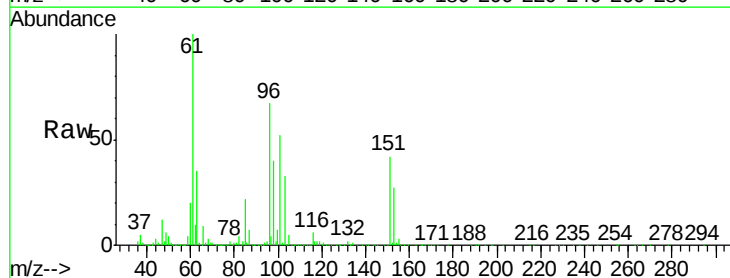
MMDadoda
 2/5/2019 9:52:44 AM

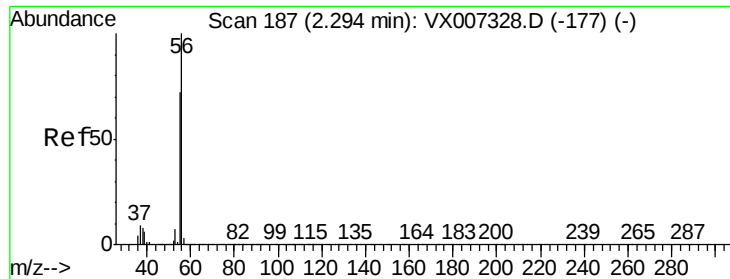


#12

1,1-Dichloroethene
 Concen: 19.765 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	123.0	184.4
98	59.9	50.9	76.3





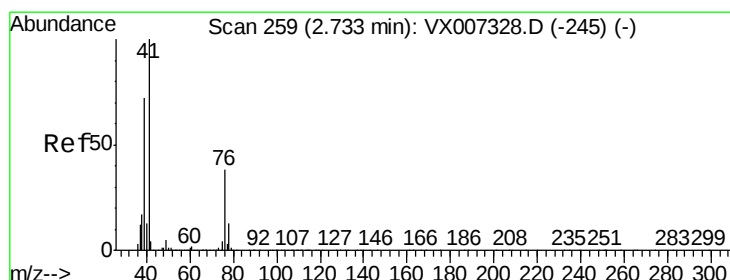
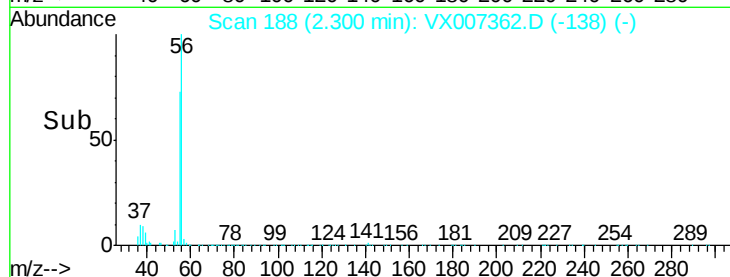
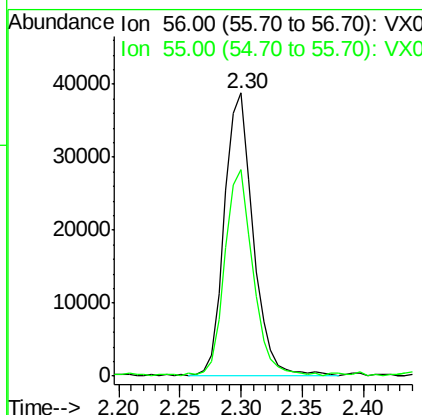
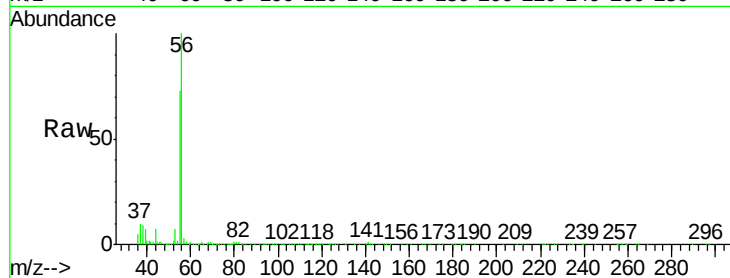
#13
Acrolein
Concen: 126.741 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.9	85.3

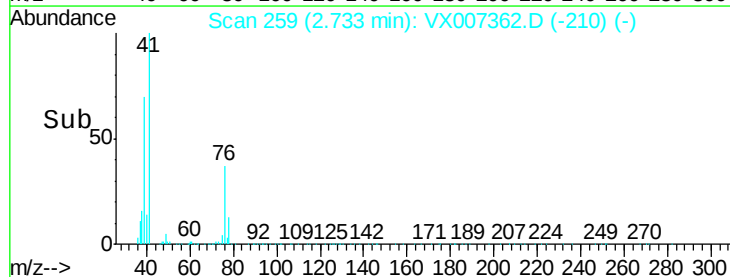
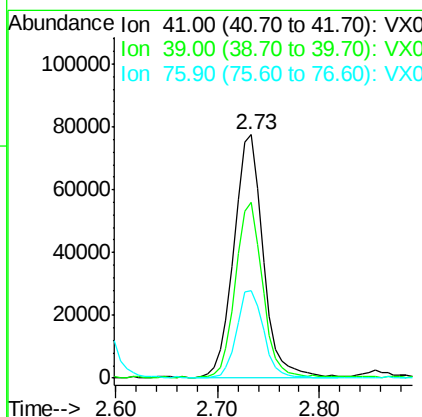
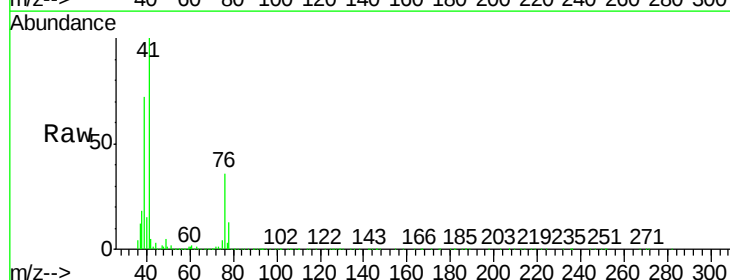
Manual Integrations
APPROVED

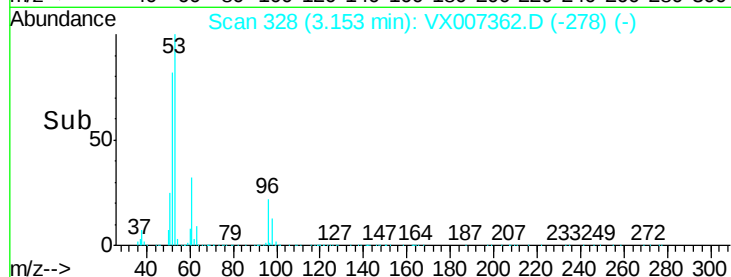
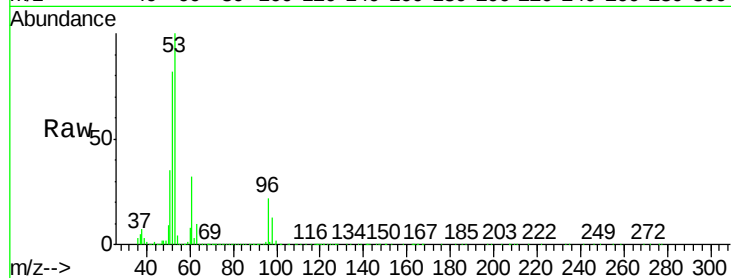
MMDadoda
2/5/2019 9:52:44 AM



#14
Allyl chloride
Concen: 20.557 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.6	54.1	81.1
76	33.6	27.8	41.8





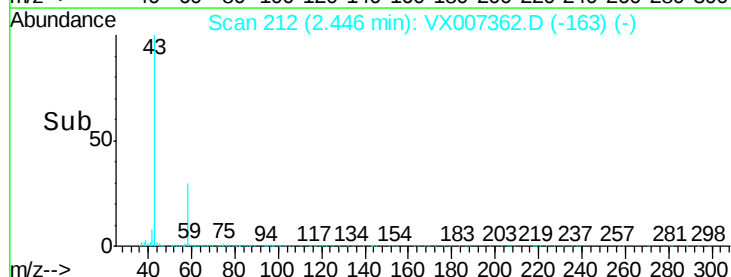
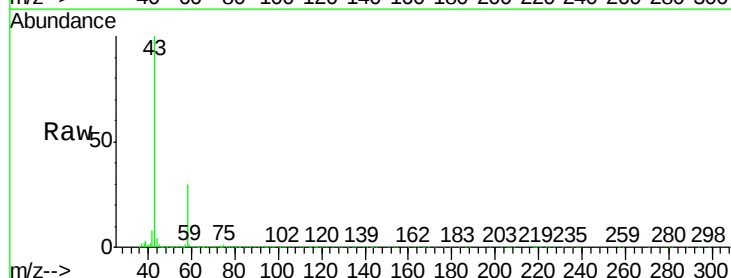
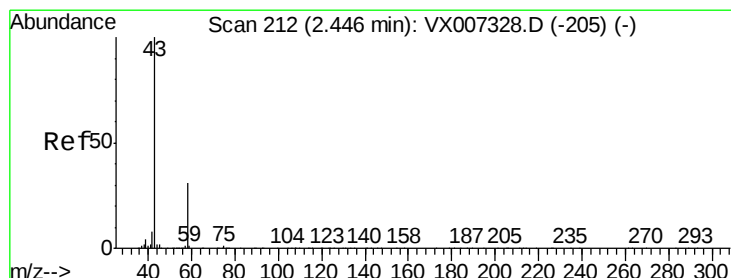
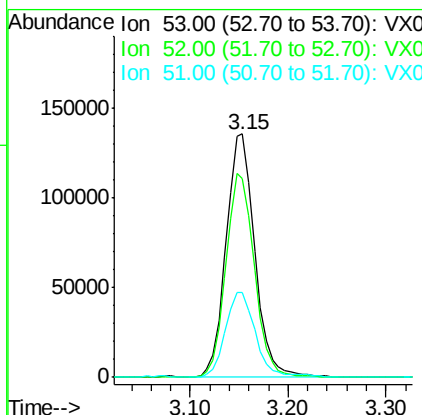
#15
Acrylonitrile
Concen: 105.952 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tot Ion:	53	Resp:	275457
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.6	28.4	42.6

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

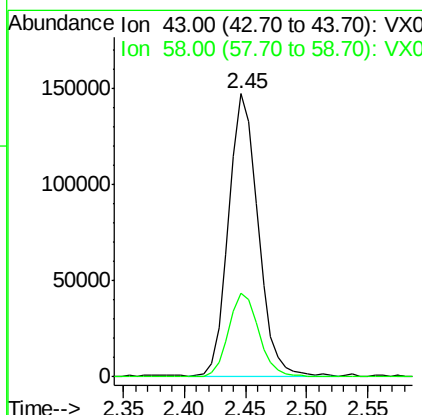
Manual Integrations
APPROVED

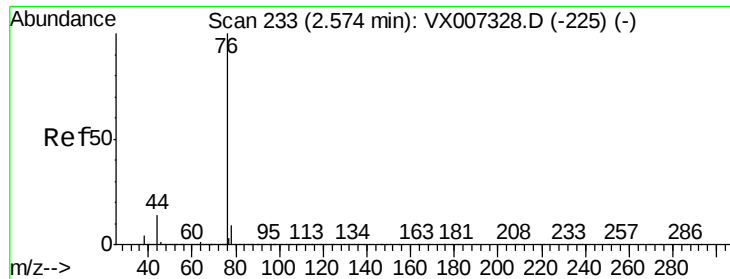
MMDadoda
2/5/2019 9:52:44 AM



#16
Acetone
Concen: 104.594 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion:	43	Resp:	243309
Ion Ratio		Lower	Upper
43	100		
58	29.5	24.9	37.3





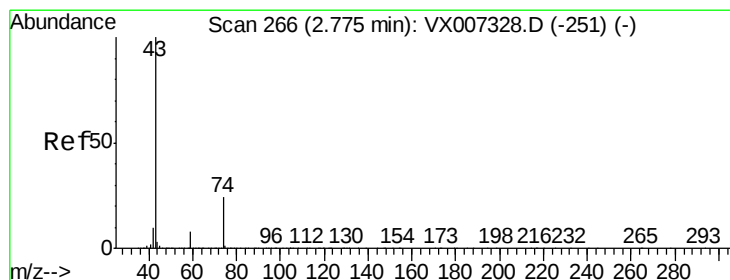
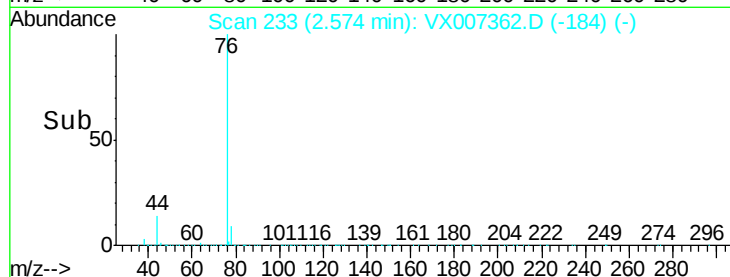
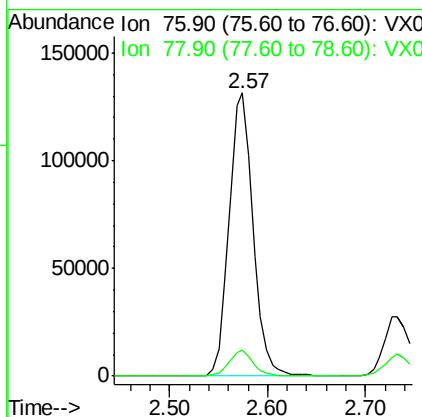
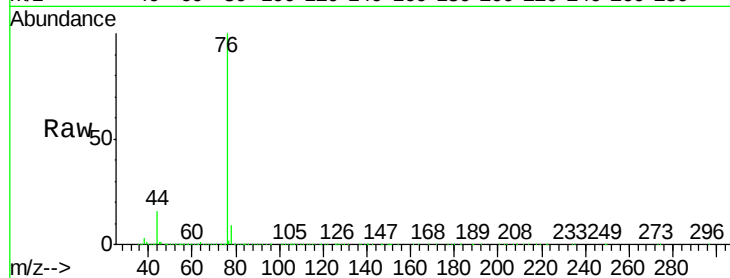
#17
Carbon Disulfide
Concen: 19.991 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

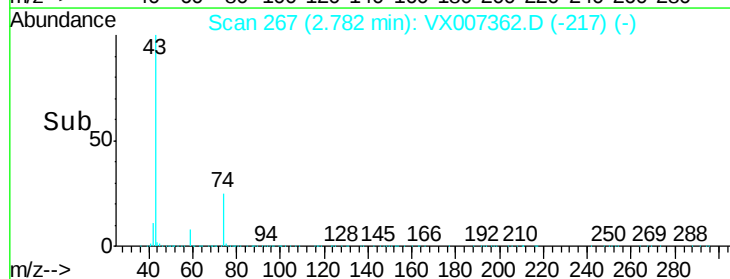
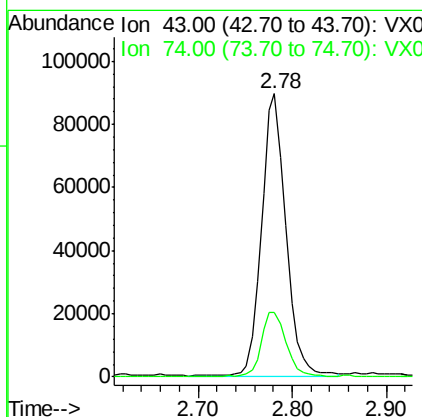
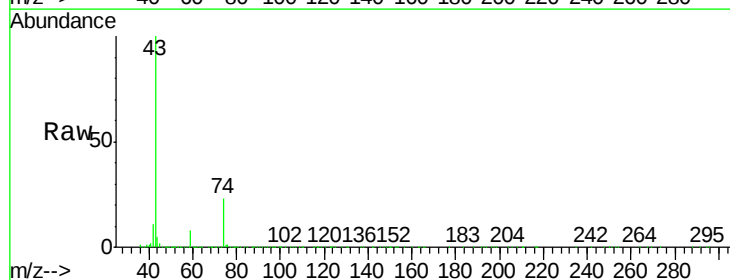
Manual Integrations
APPROVED

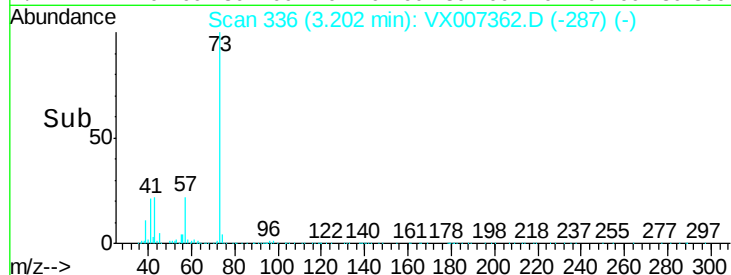
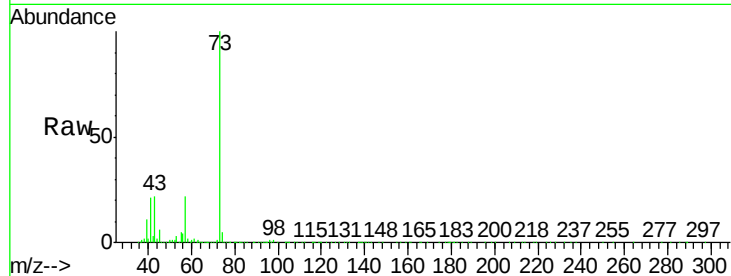
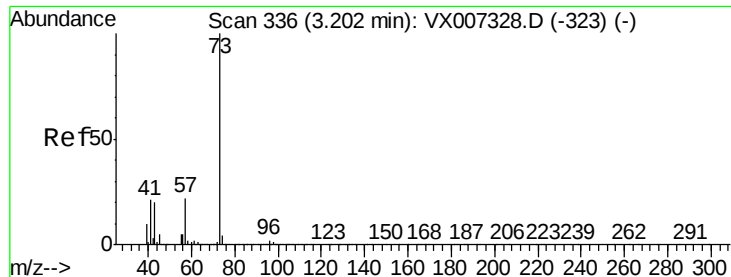
MMDadoda
2/5/2019 9:52:44 AM



#18
Methyl Acetate
Concen: 27.125 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.4	29.2





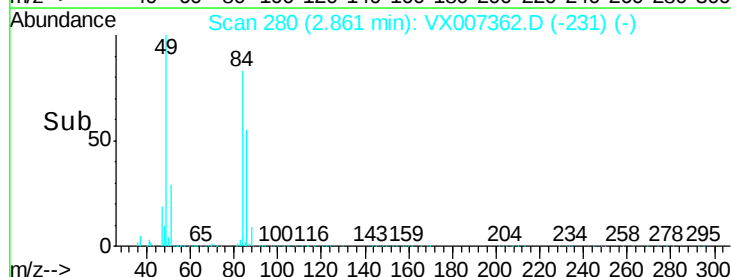
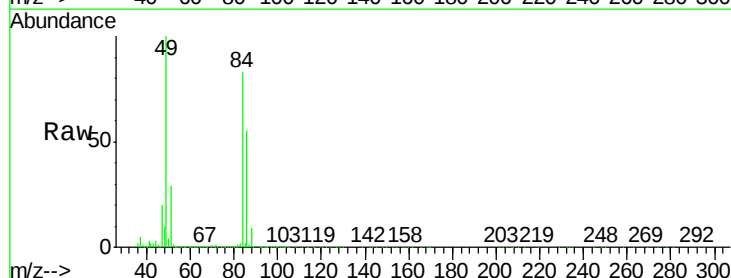
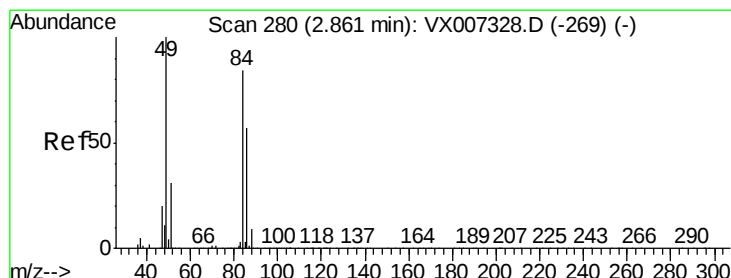
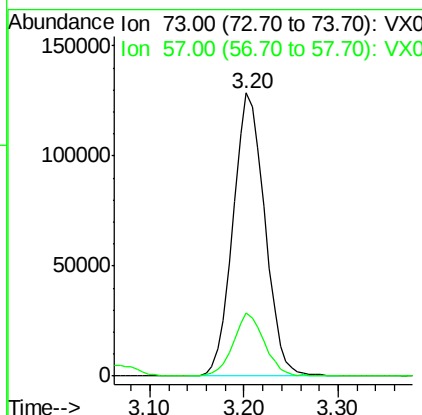
#19
Methyl tert-butyl Ether
Concen: 20.325 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.8	26.8

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

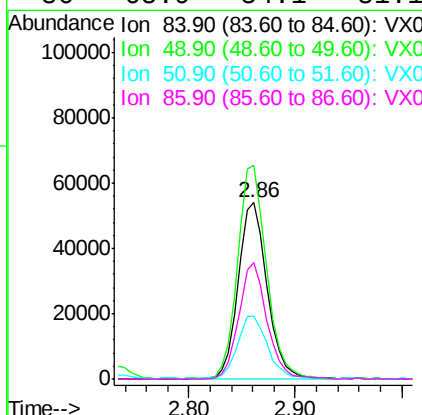
Manual Integrations
APPROVED

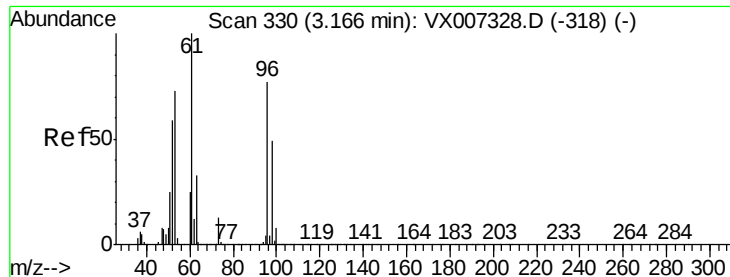
MMDadoda
2/5/2019 9:52:44 AM



#20
Methylene Chloride
Concen: 21.509 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.8	94.8	142.2
51	35.2	29.8	44.8
86	65.9	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 19.716 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

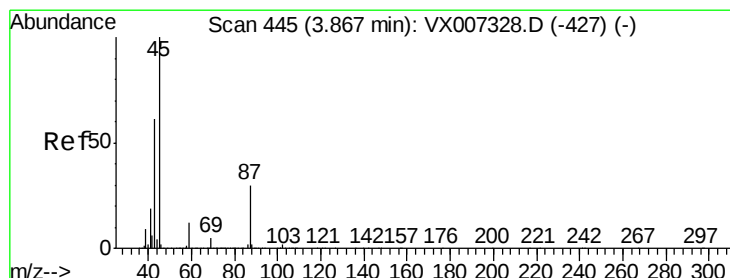
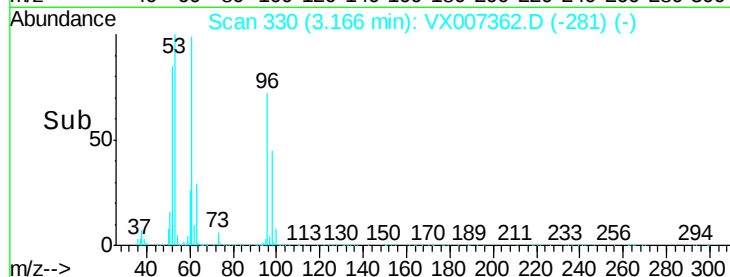
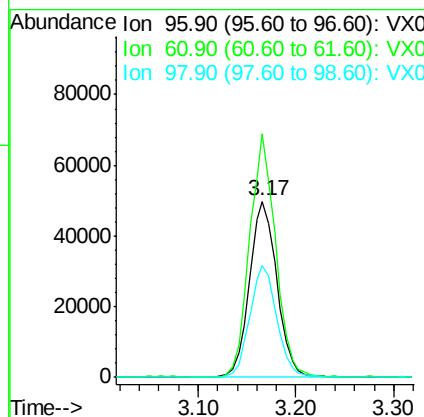
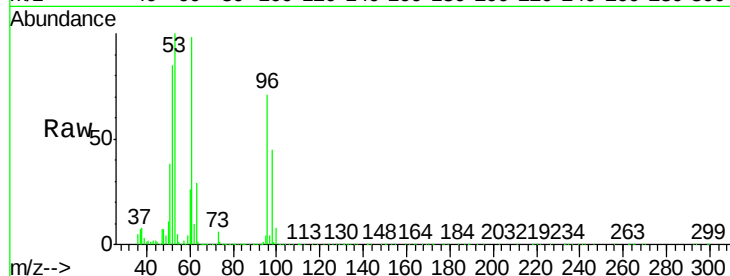
ClientSampleId :

VX0204WBSD01

Tot Ion:	96	Resp:	95943
Ion	Ratio	Lower	Upper
96	100		
61	138.2	104.6	156.8
98	63.5	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#22

Diisopropyl ether

Concen: 20.548 ug/l

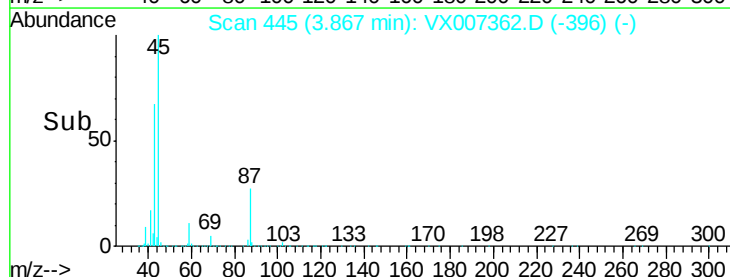
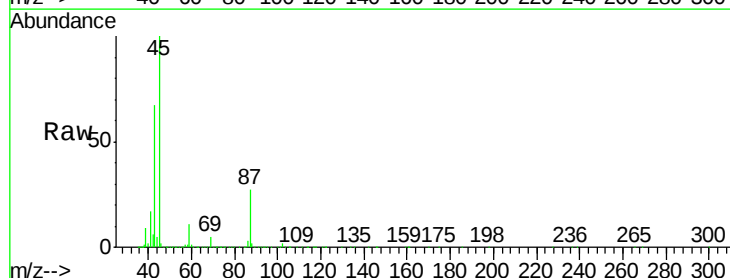
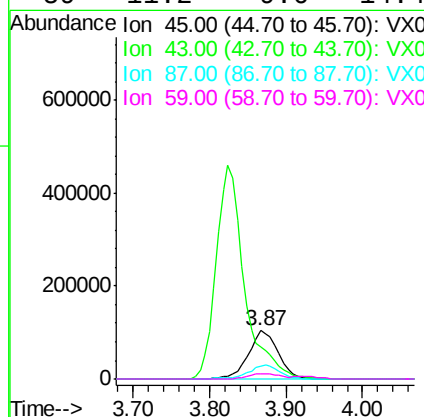
RT: 3.87 min Scan# 445

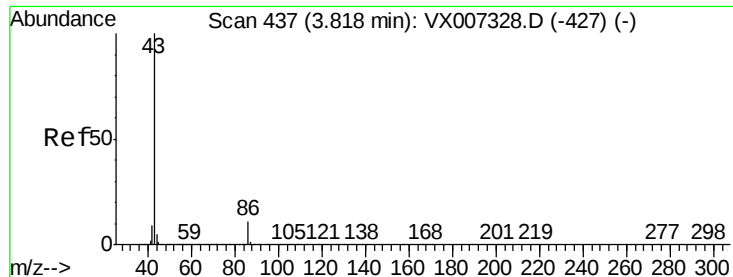
Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Tgt Ion:	45	Resp:	281328
Ion	Ratio	Lower	Upper
45	100		
43	66.4	48.9	73.3
87	27.4	23.9	35.9
59	11.2	9.6	14.4





#23

Vinyl Acetate

Concen: 103.806 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampleID :

VX0204WBSD01

Tot Ion: 43 Resp: 1179380

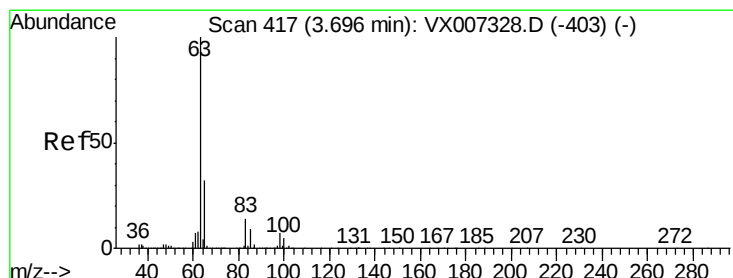
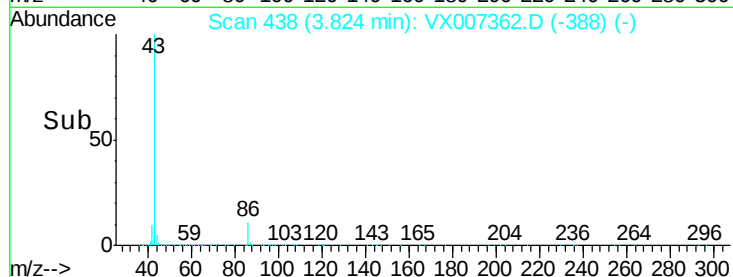
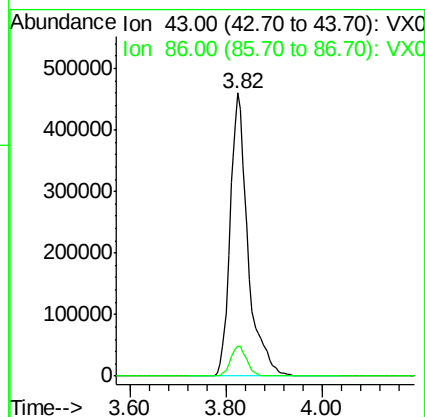
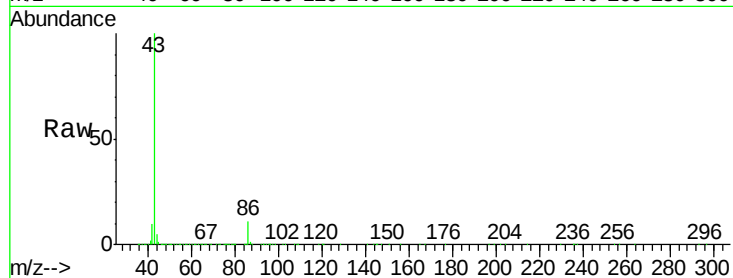
Ion Ratio Lower Upper

43 100

86 10.8 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#24

1,1-Dichloroethane

Concen: 19.976 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

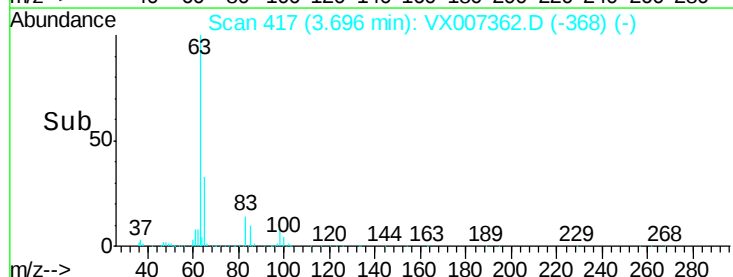
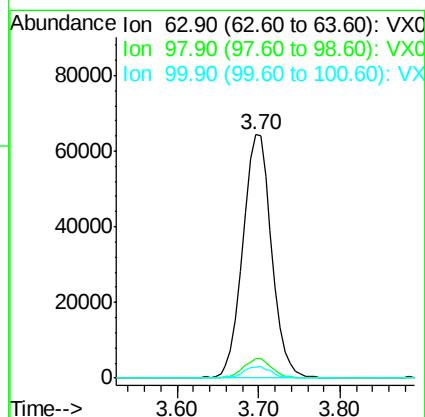
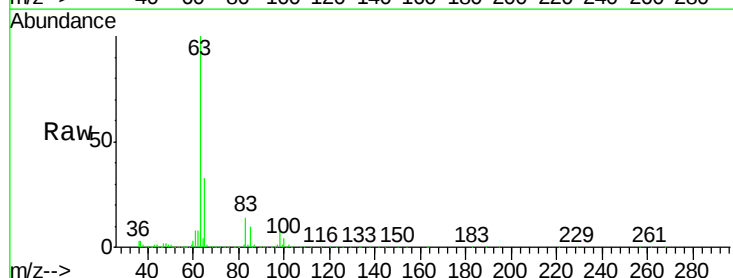
Tgt Ion: 63 Resp: 157063

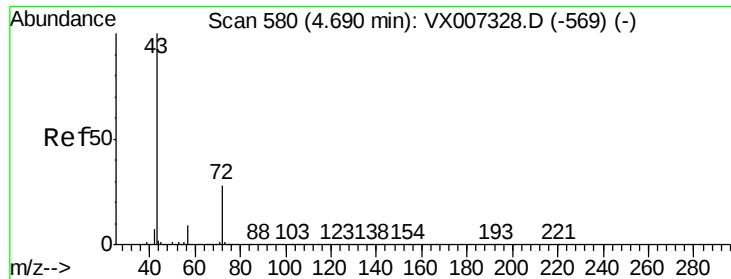
Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.8

100 4.4 2.5 7.4





#25

2-Butanone

Concen: 106.483 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

Tot Ion: 43 Resp: 352511

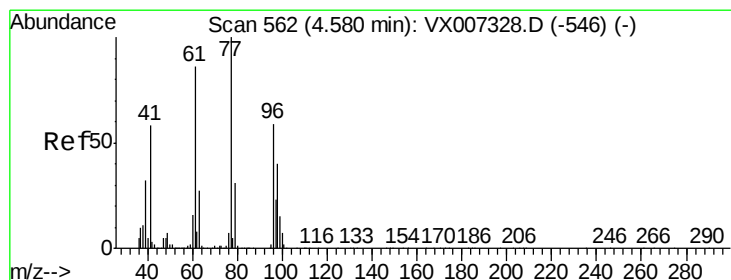
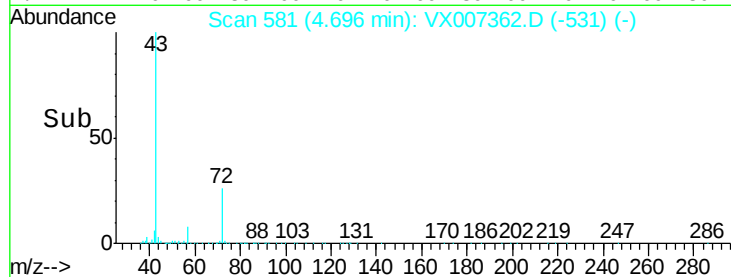
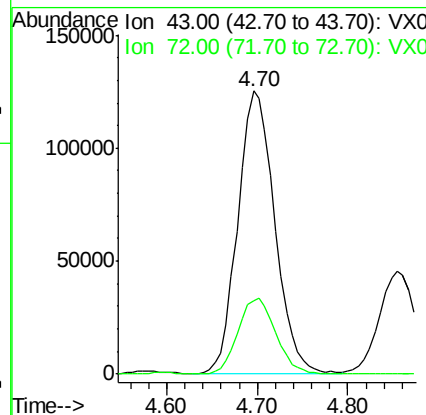
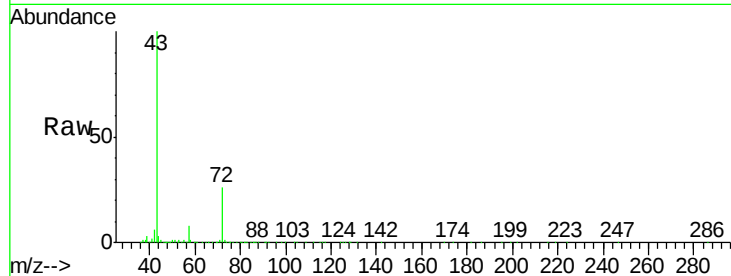
Ion Ratio Lower Upper

43 100

72 26.0 22.2 33.2

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#26

2,2-Dichloropropane

Concen: 17.256 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007362.D

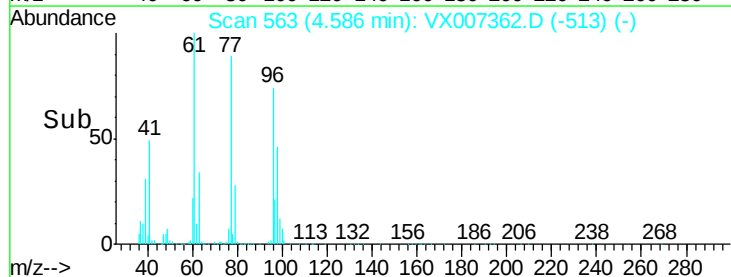
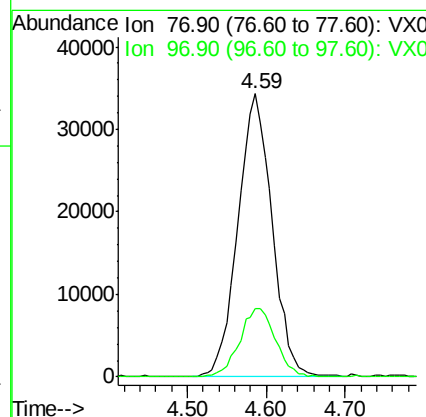
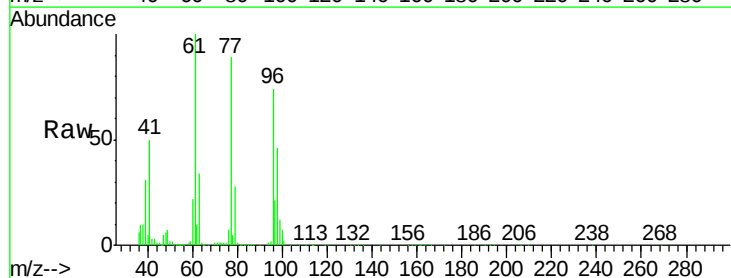
Acq: 04 Feb 2019 16:29

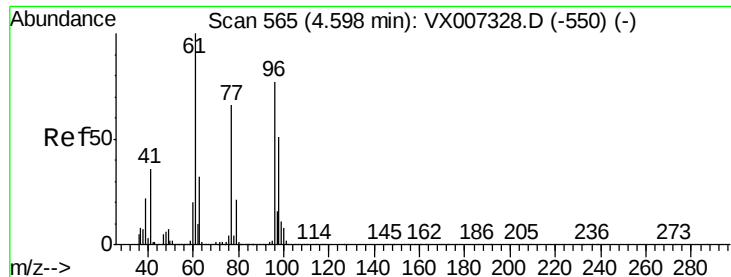
Tgt Ion: 77 Resp: 103325

Ion Ratio Lower Upper

77 100

97 25.4 12.1 36.3





#27

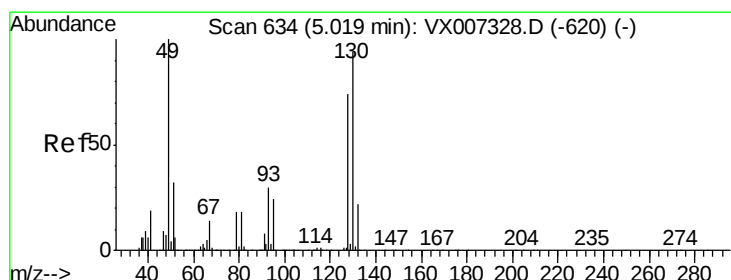
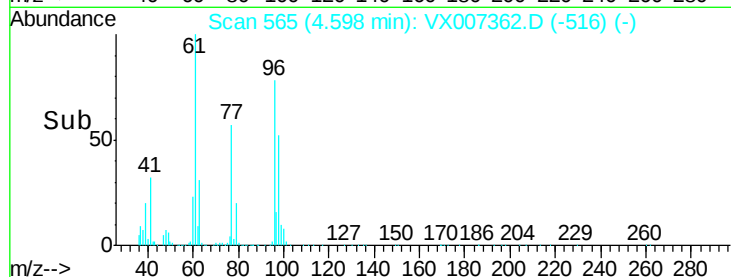
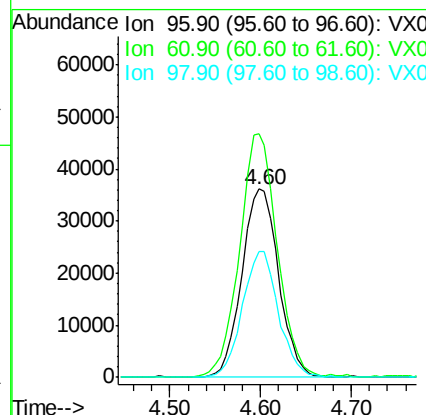
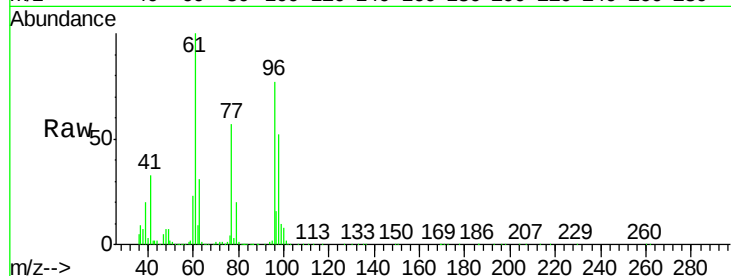
cis-1,2-Dichloroethene
Concen: 19.118 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	101616		
61	132.0	0.0	265.6	
98	65.6	0.0	131.6	

Manual Integrations
APPROVED

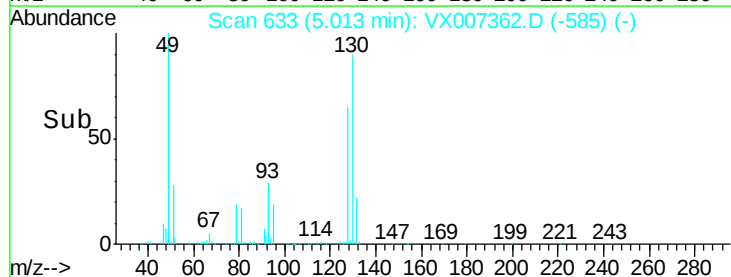
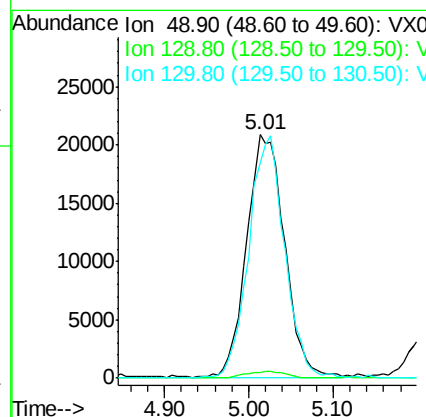
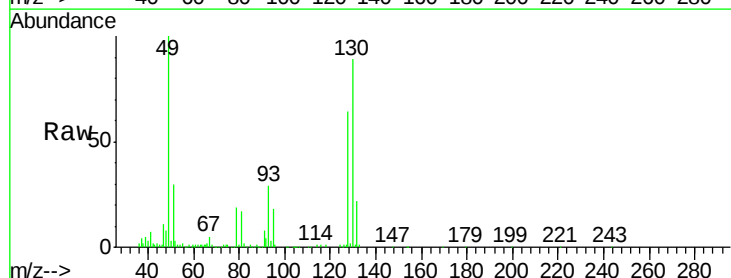
MMDadoda
2/5/2019 9:52:44 AM

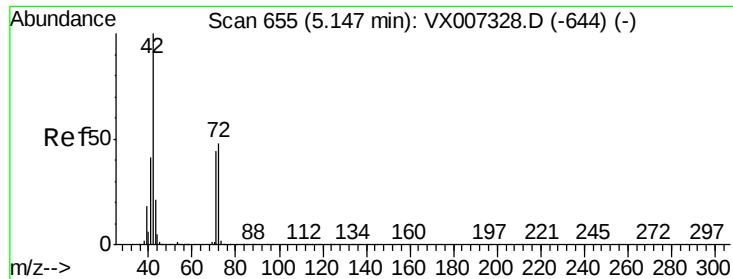


#28

Bromochloromethane
Concen: 17.509 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	63309		
129	3.0	0.0	5.6	
130	94.9	75.6	113.4	





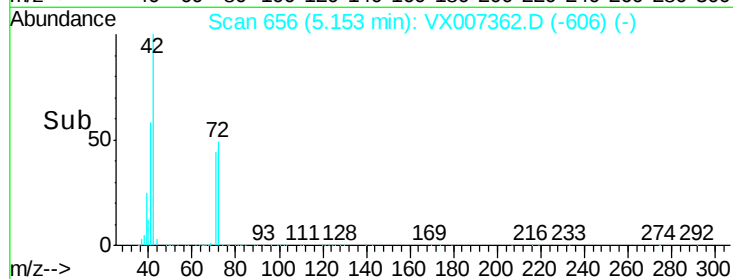
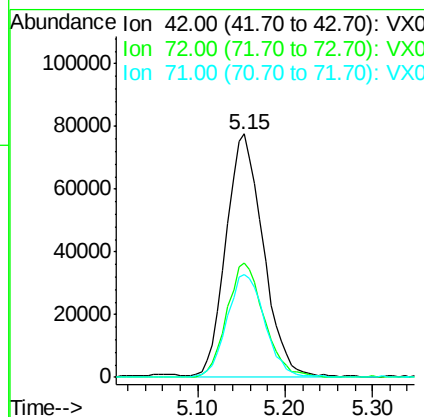
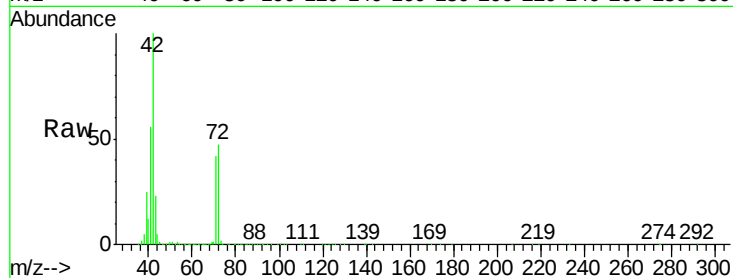
#29
Tetrahydrofuran
Concen: 109.316 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.6	56.4
71	43.8	34.6	51.8

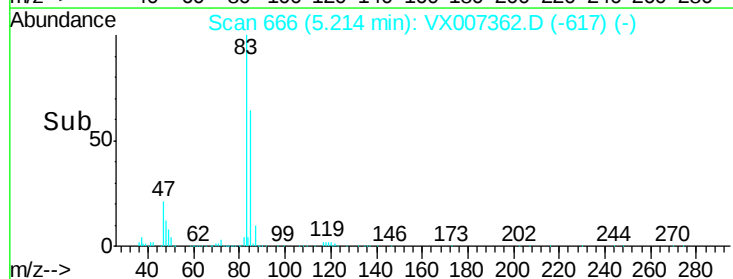
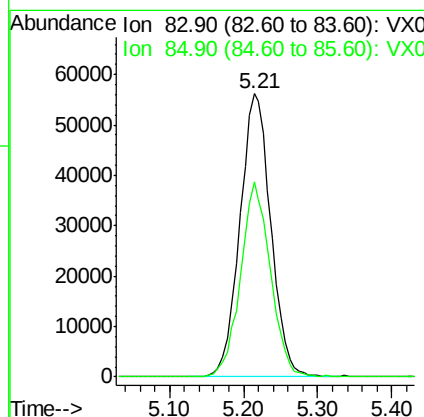
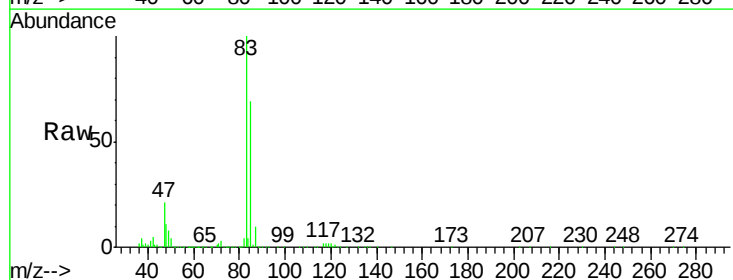
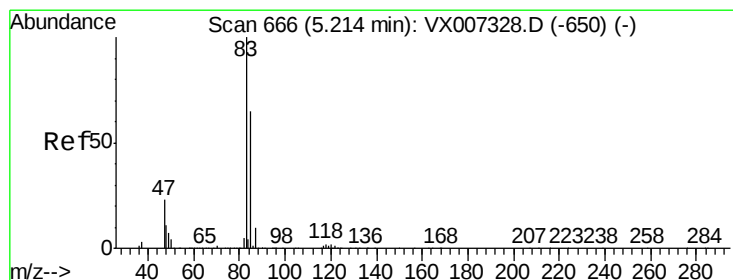
Manual Integrations
APPROVED

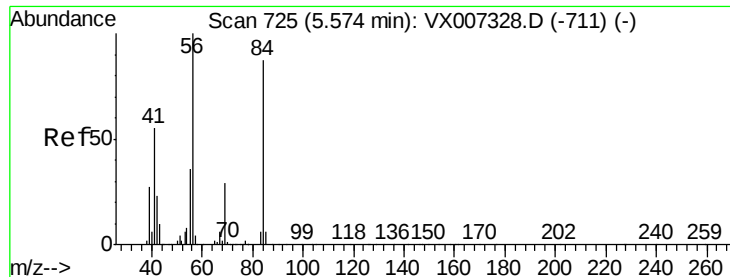
MMDadoda
2/5/2019 9:52:44 AM



#30
Chloroform
Concen: 19.952 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.8	51.6	77.4





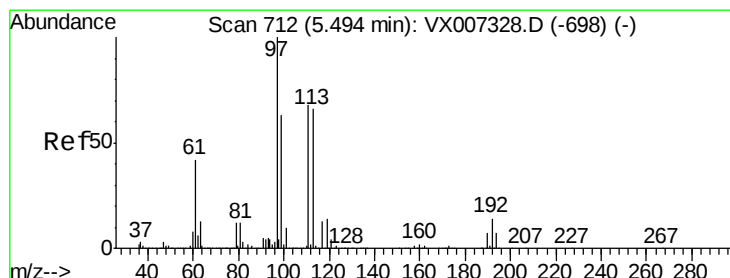
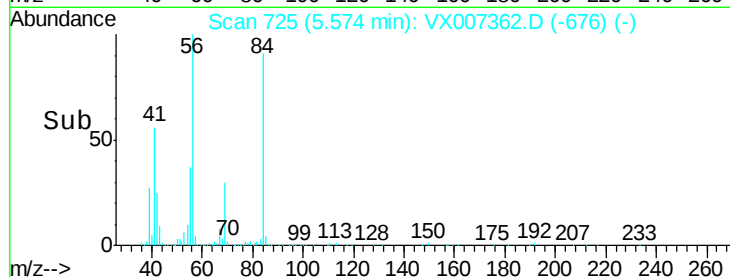
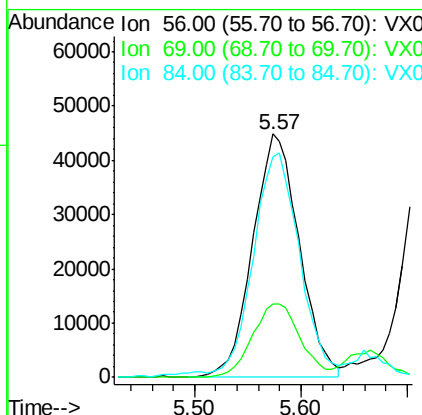
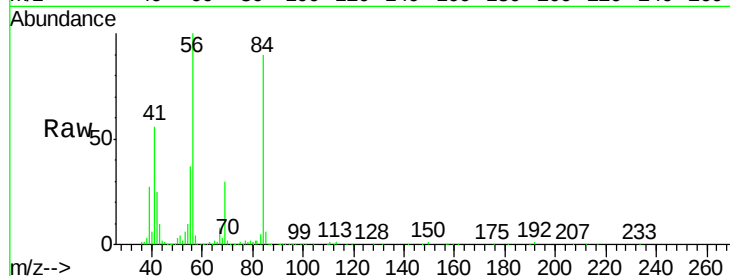
#31
Cyclohexane
Concen: 19.333 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.0	34.6
84	88.6	69.8	104.6

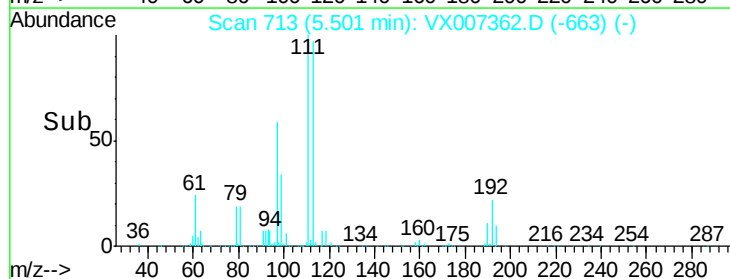
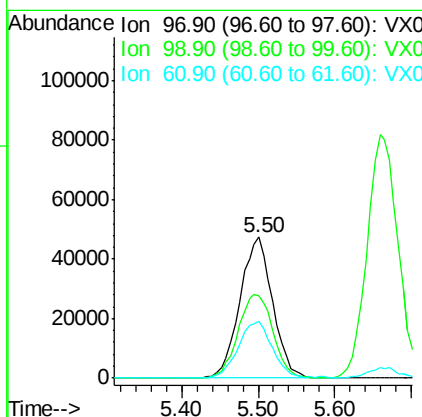
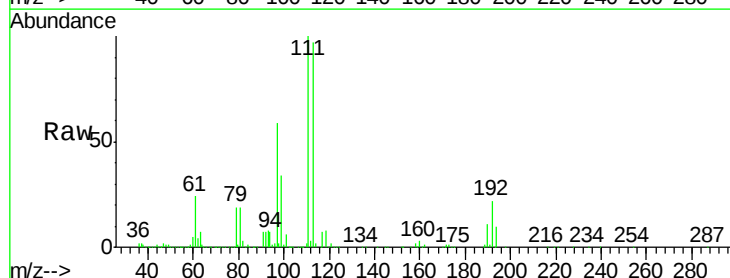
Manual Integrations
APPROVED

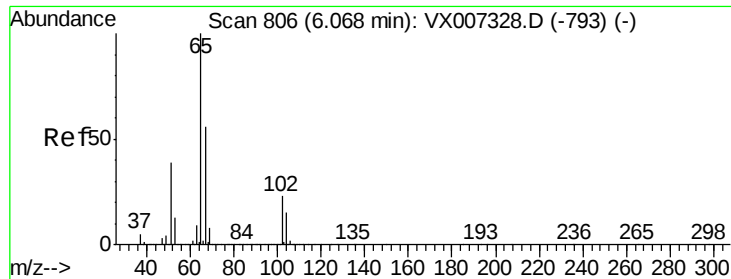
MMDadoda
2/5/2019 9:52:44 AM



#32
1,1,1-Trichloroethane
Concen: 20.245 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.2	78.2
61	41.7	32.7	49.1





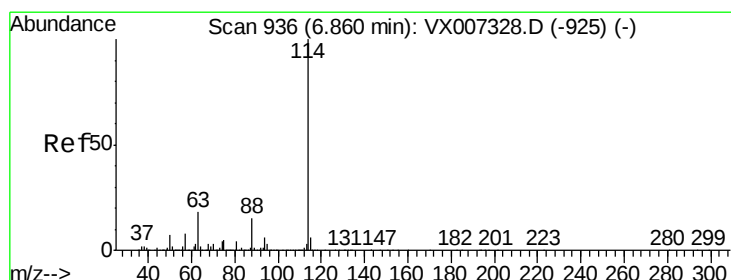
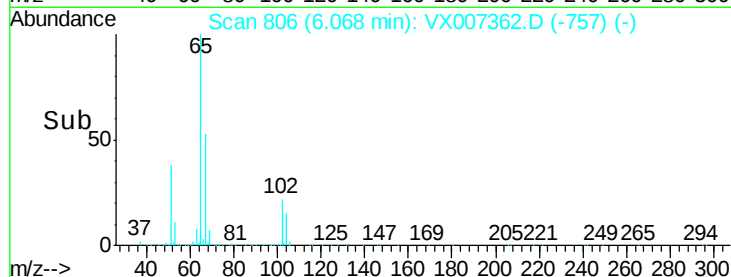
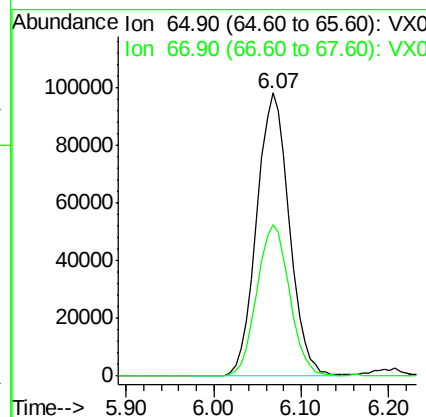
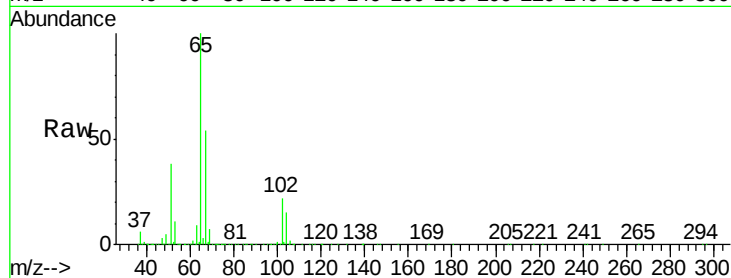
#33
 1,2-Dichloroethane-d4
 Concen: 50.040 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	254115		
67	53.8	0.0	108.8	

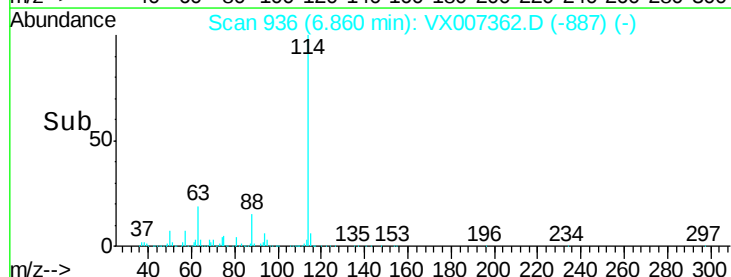
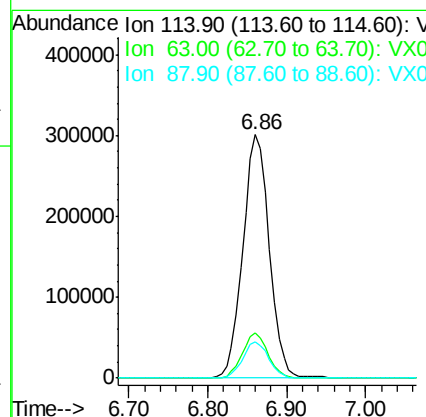
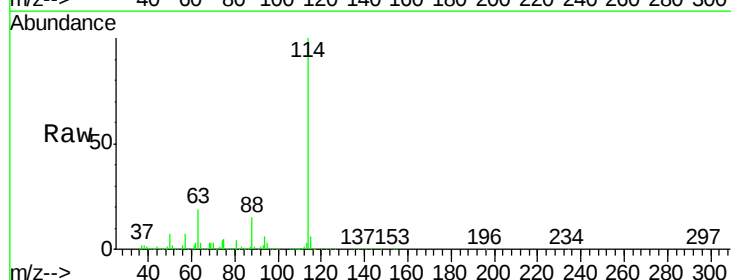
Manual Integrations
 APPROVED

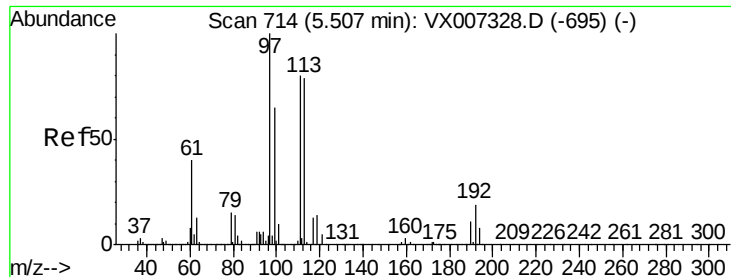
MMDadoda
 2/5/2019 9:52:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	702000		
63	18.5	0.0	35.6	
88	14.6	0.0	29.6	





#35

Dibromofluoromethane

Concen: 50.466 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

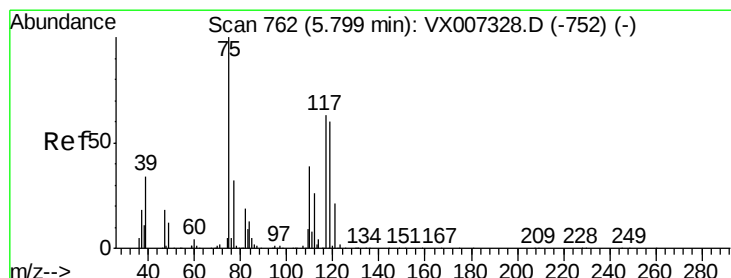
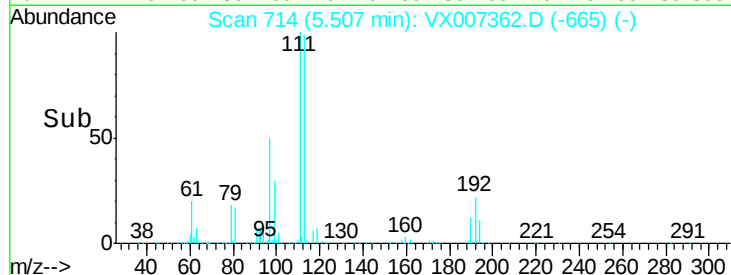
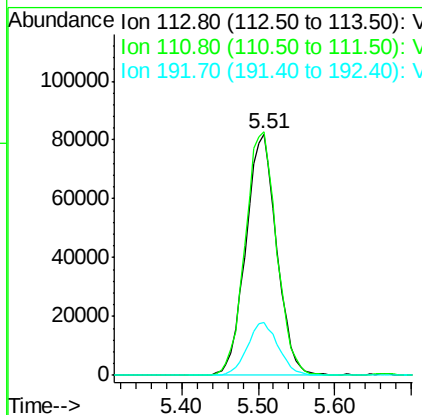
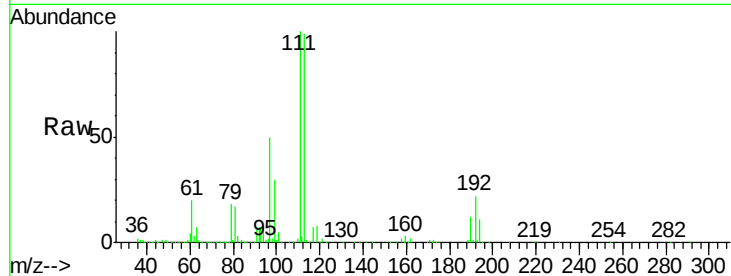
ClientSampleId :

VX0204WBSD01

Tot Ion:	113	Resp:	230514
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.8	122.8
192	22.1	18.5	27.7

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#36

1,1-Dichloropropene

Concen: 18.806 ug/l

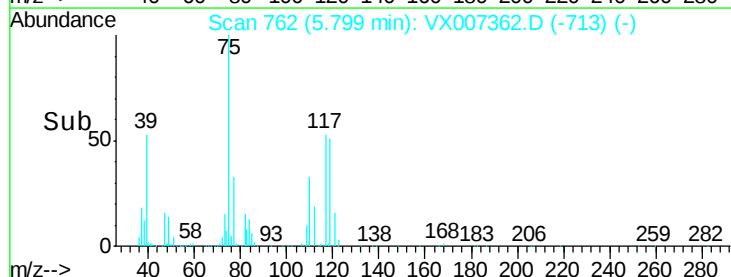
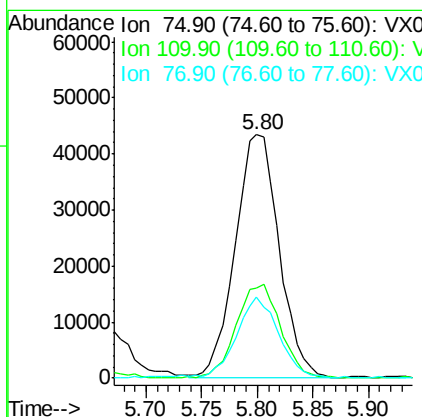
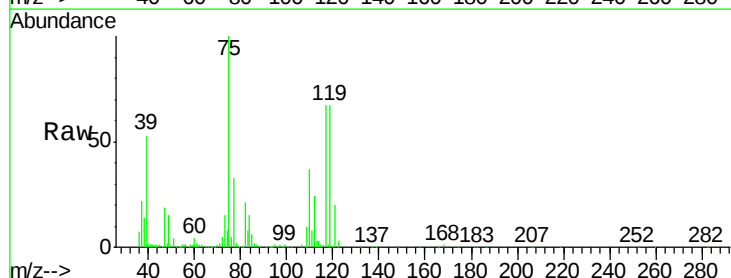
RT: 5.80 min Scan# 762

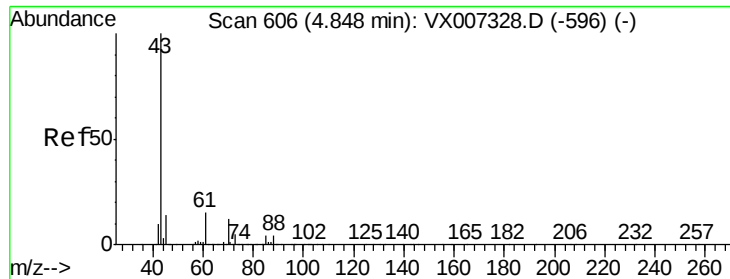
Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Tgt Ion:	75	Resp:	118449
Ion Ratio	Lower	Upper	
75	100		
110	39.3	20.0	59.9
77	31.4	24.7	37.1





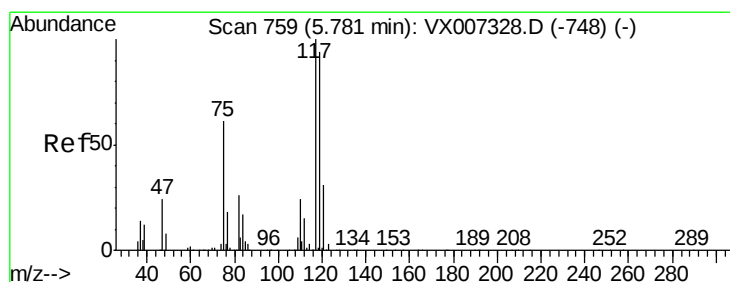
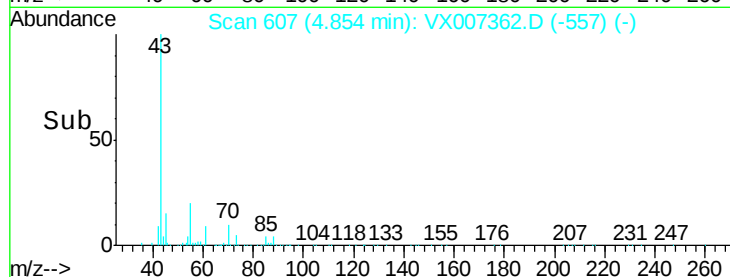
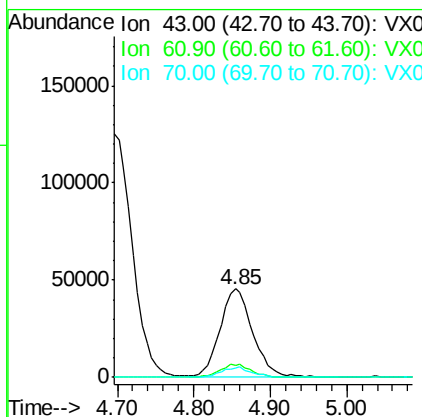
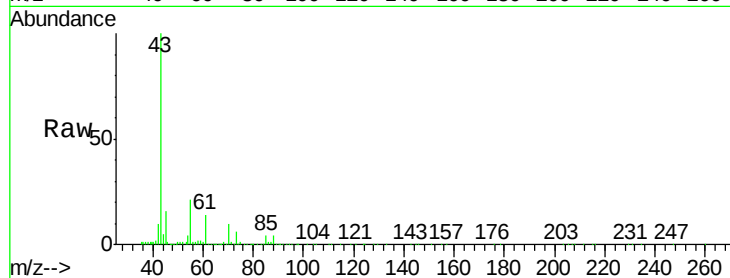
#37
Ethyl Acetate
Concen: 20.925 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.3	16.9
70	10.7	8.6	13.0

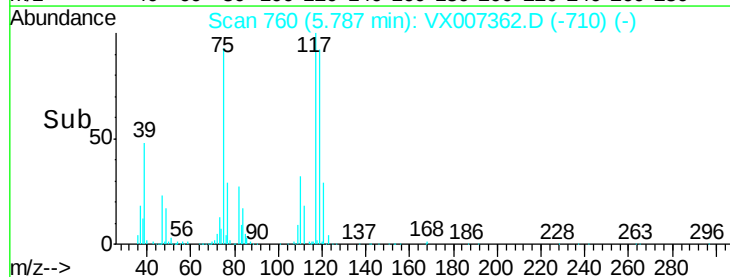
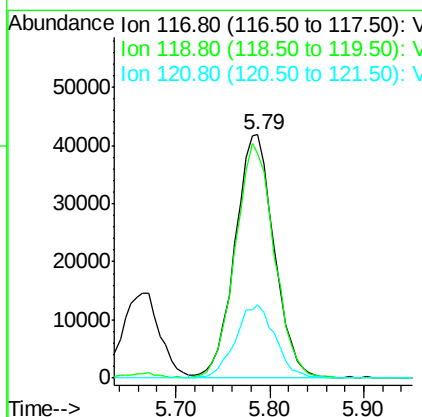
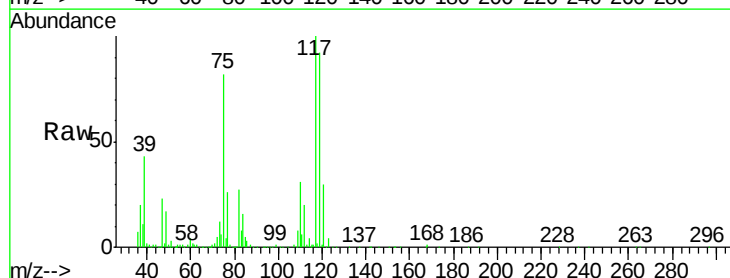
Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#38
Carbon Tetrachloride
Concen: 19.873 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.3	112.9
121	30.1	25.0	37.4





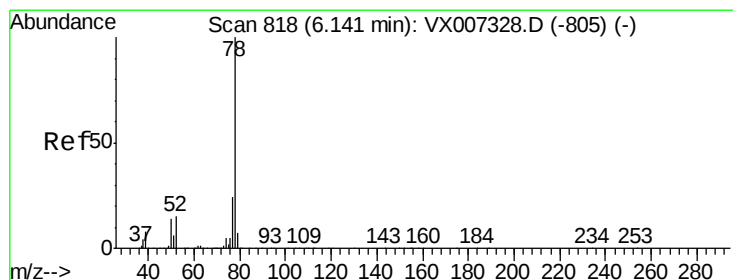
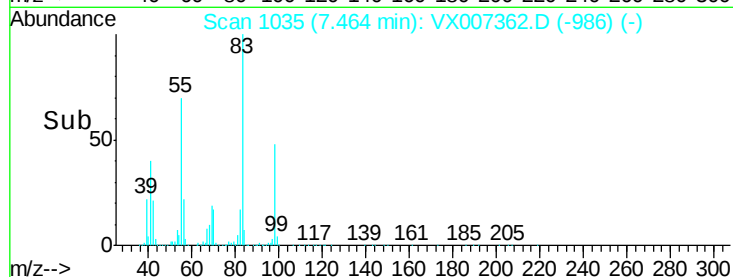
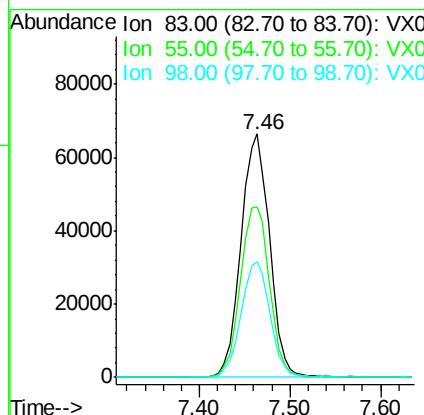
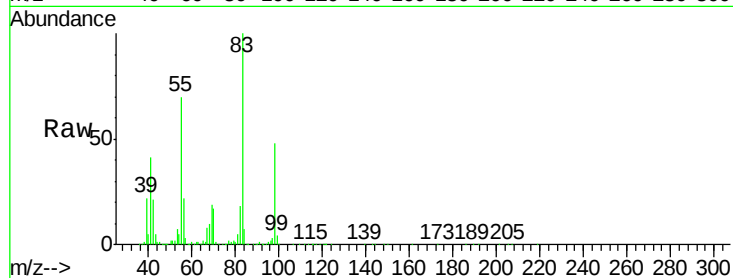
#39
Methvlcvclohexane
Concen: 19.165 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.1	56.2	84.2
98	47.7	36.8	55.2

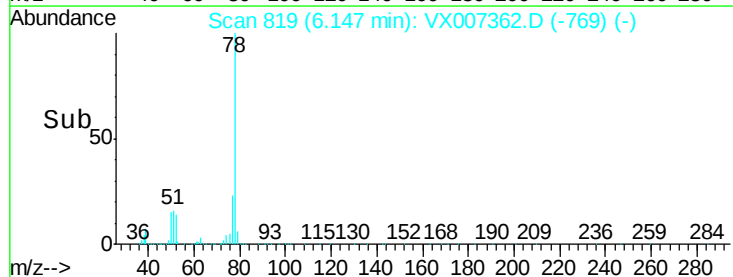
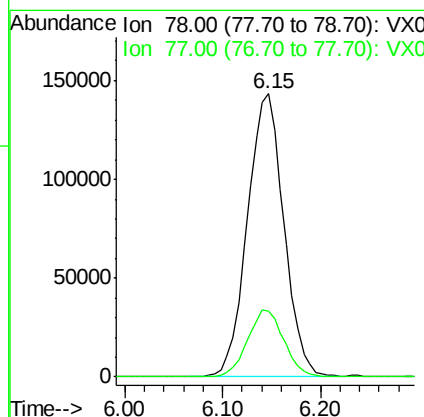
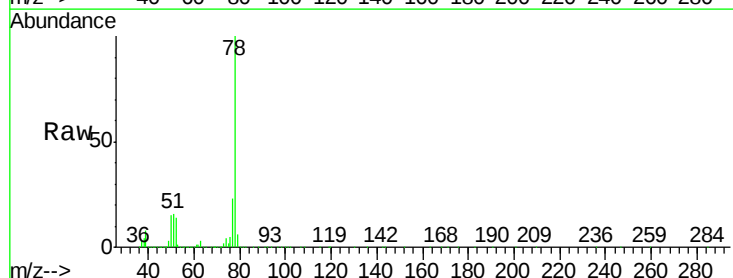
Manual Integrations
APPROVED

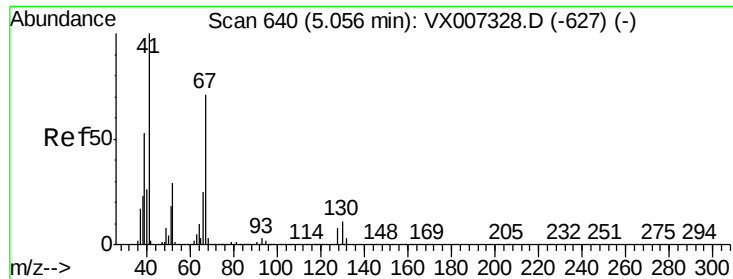
MMDadoda
2/5/2019 9:52:44 AM



#40
Benzene
Concen: 20.000 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9





#41

Methacrylonitrile

Concen: 21.272 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

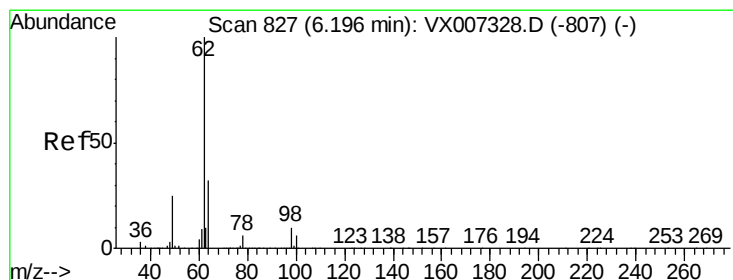
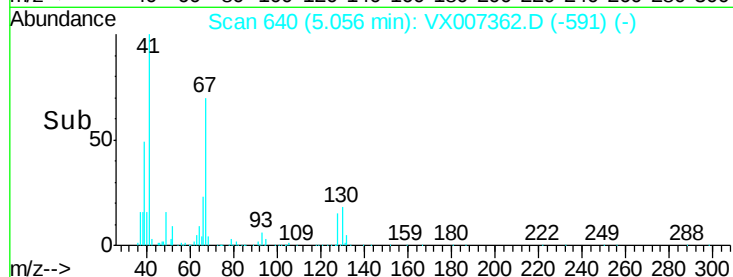
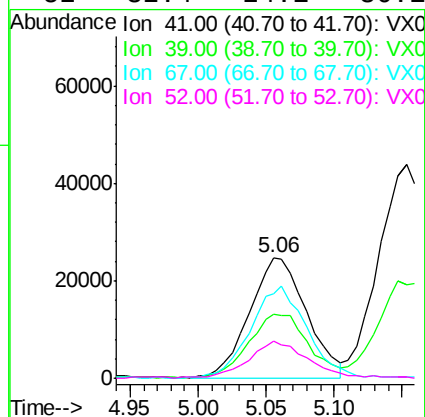
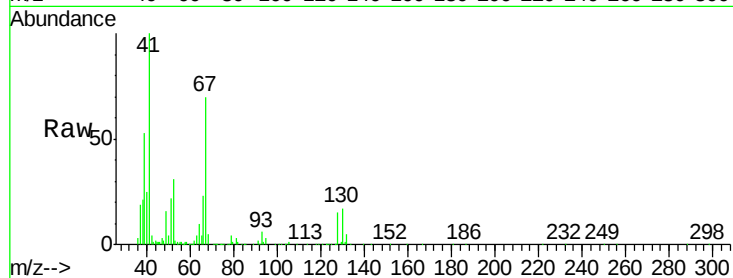
ClientSampleId :

VX0204WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	44.5	66.7	
67	75.4	60.4	90.6	
52	32.4	24.1	36.1	

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#42

1,2-Dichloroethane

Concen: 19.556 ug/l

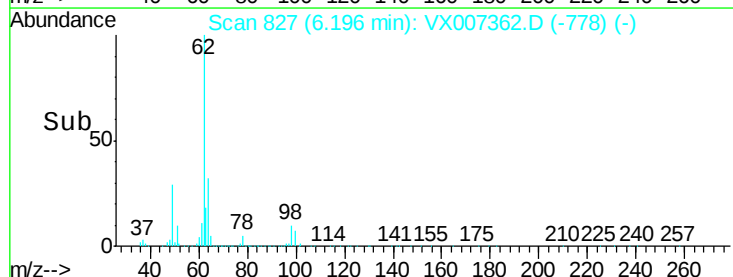
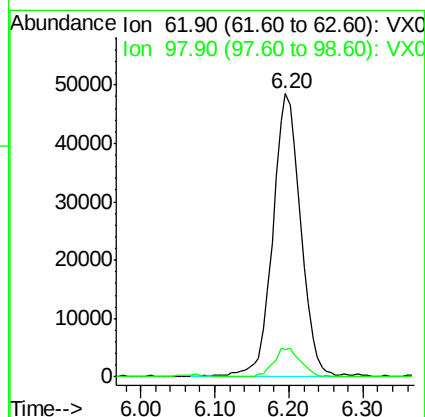
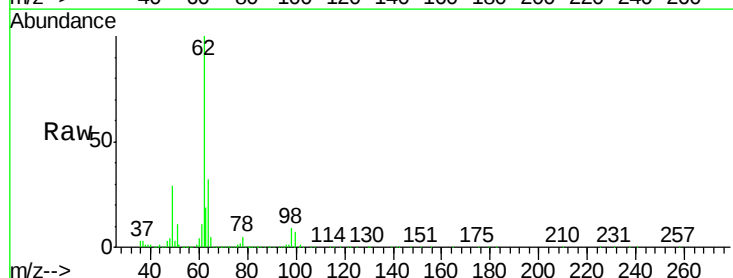
RT: 6.20 min Scan# 827

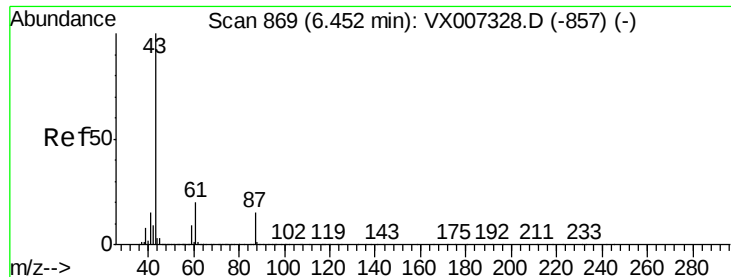
Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

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





#43

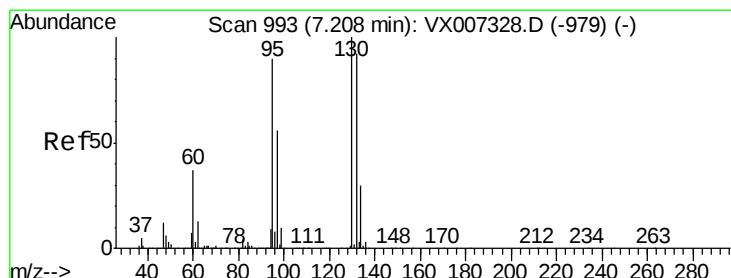
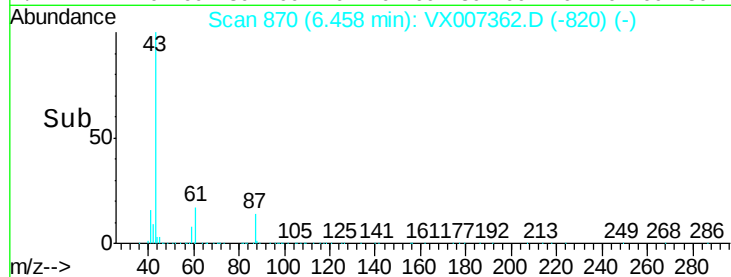
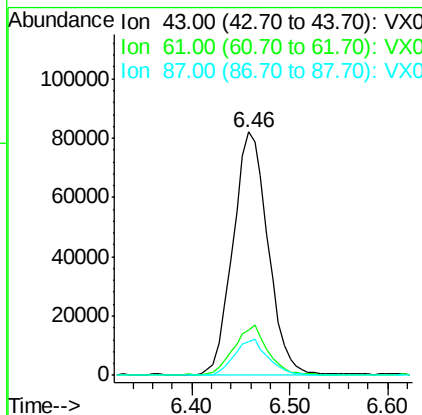
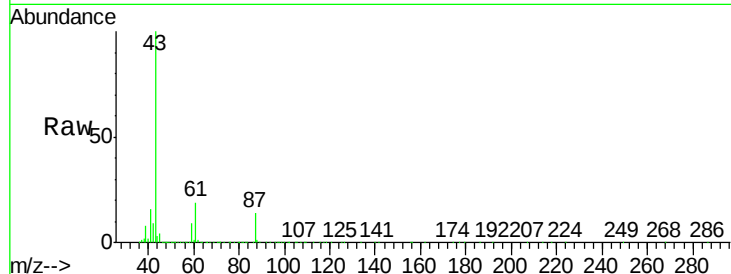
Isopropyl Acetate
 Concen: 20.682 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.1	24.1
87	14.5	11.5	17.3

Manual Integrations
 APPROVED

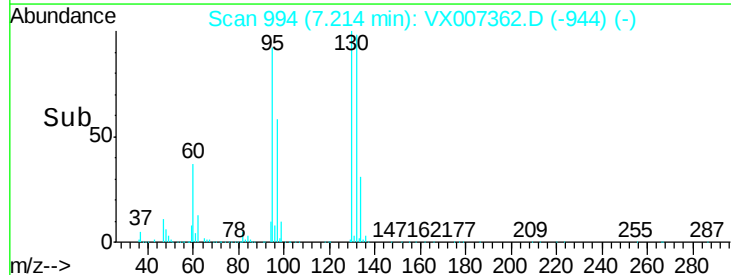
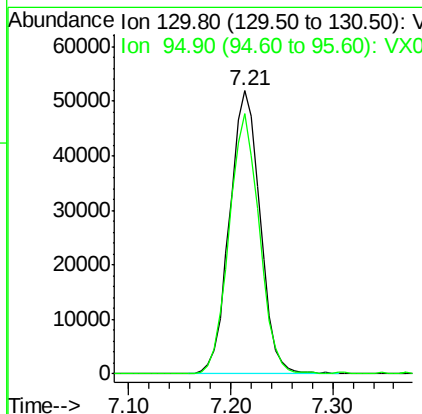
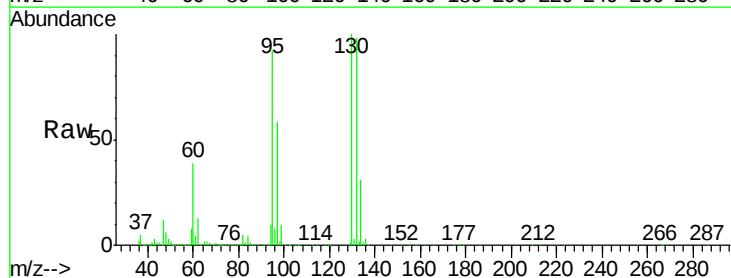
MMDadoda
 2/5/2019 9:52:44 AM

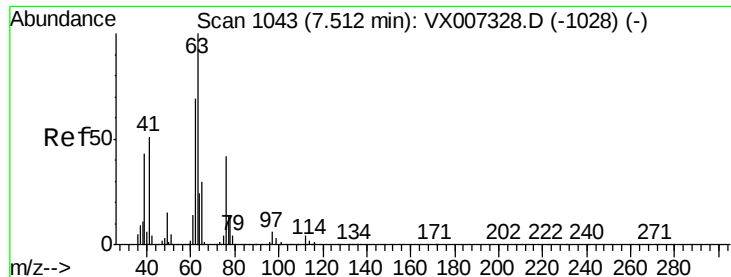


#44

Trichloroethene
 Concen: 19.222 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	180.0





#45

1,2-Dichloropropane

Concen: 19.468 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

Tot Ion: 63 Resp: 90499

Ion Ratio Lower Upper

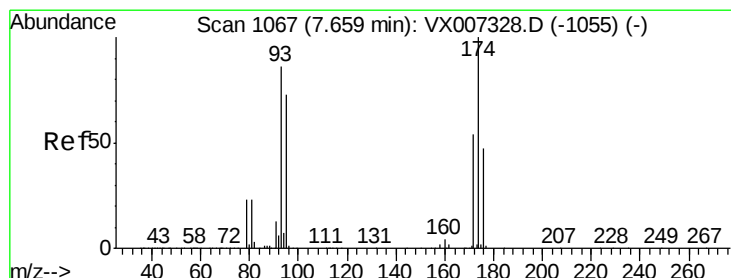
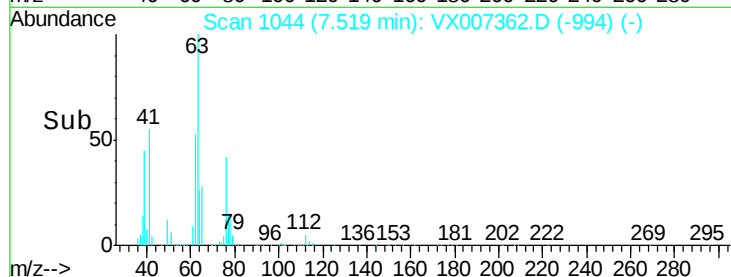
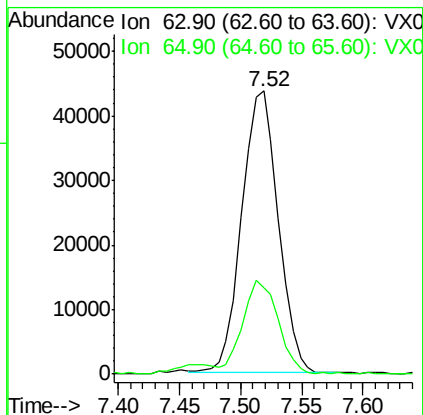
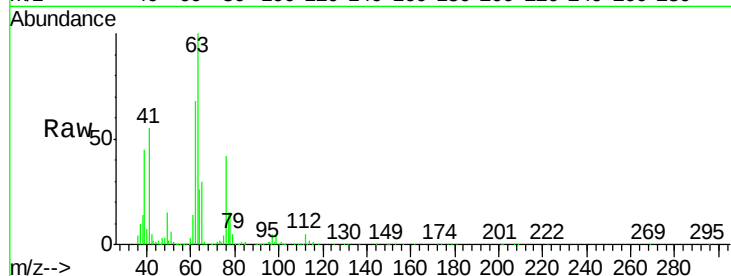
63 100

65 30.1 24.2 36.2

Manual Integrations
APPROVED

MMDadoda

2/5/2019 9:52:44 AM



#46

Dibromomethane

Concen: 19.216 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

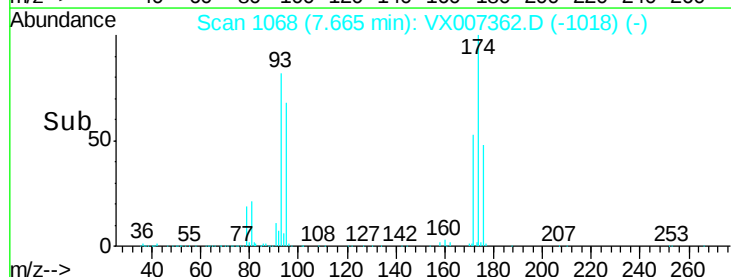
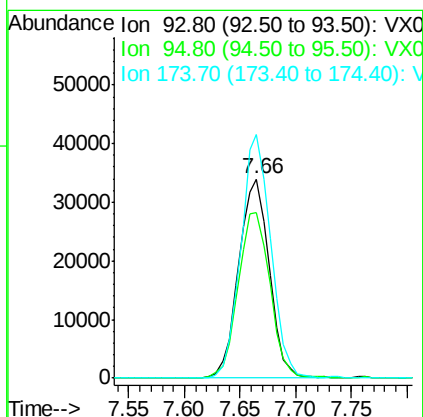
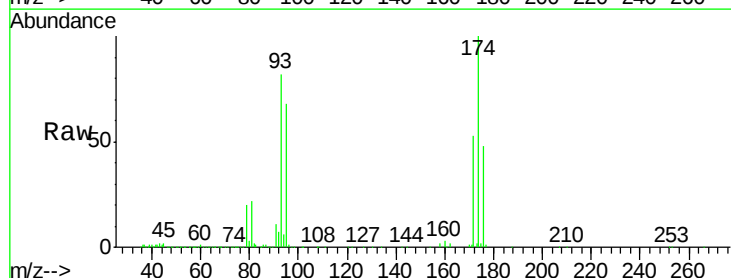
Tgt Ion: 93 Resp: 64927

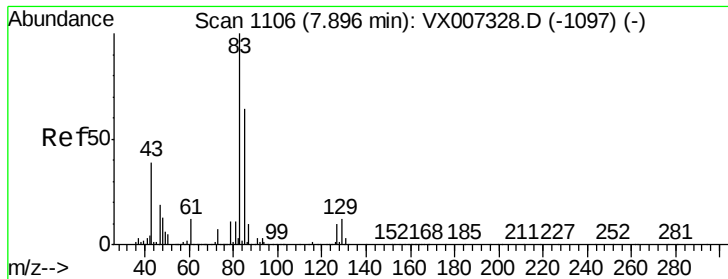
Ion Ratio Lower Upper

93 100

95 86.5 67.6 101.4

174 119.5 94.2 141.4





#47

Bromodichloromethane

Concen: 19.478 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

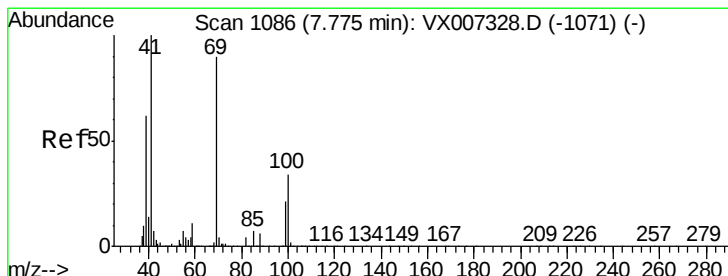
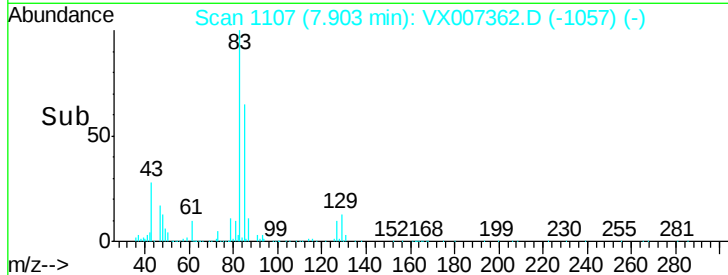
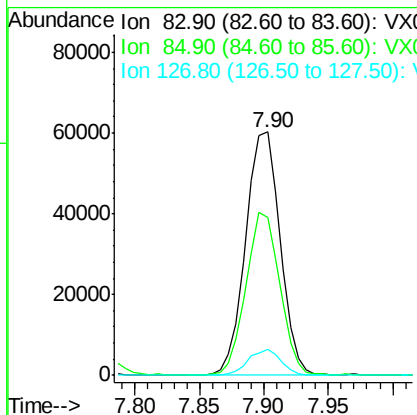
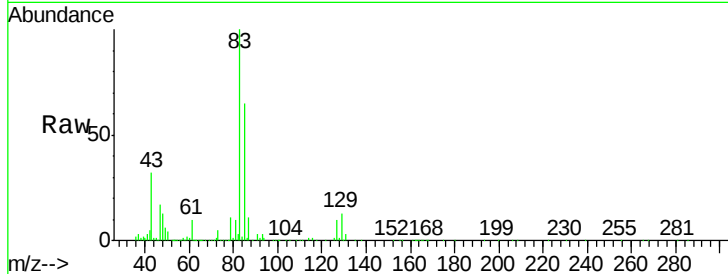
ClientSampleId :

VX0204WBSD01

Tot Ion:	83	Resp:	111531
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.4	77.0
127	10.5	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#48

Methyl methacrylate

Concen: 21.800 ug/l

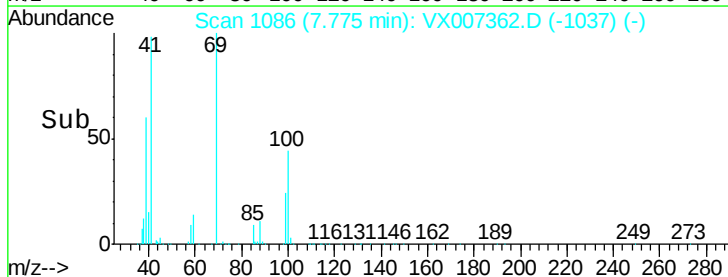
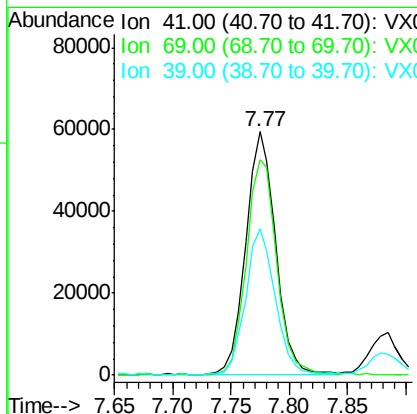
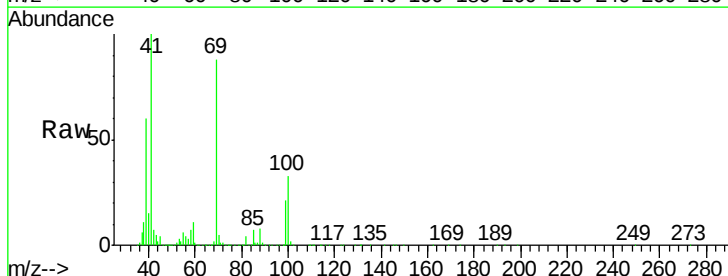
RT: 7.77 min Scan# 1086

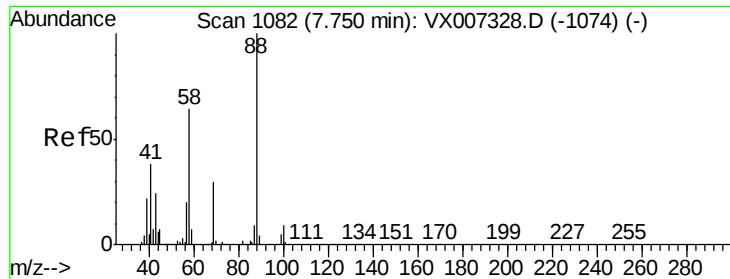
Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Tgt Ion:	41	Resp:	107162
Ion Ratio	Lower	Upper	
41	100		
69	88.7	70.2	105.4
39	58.9	47.4	71.0





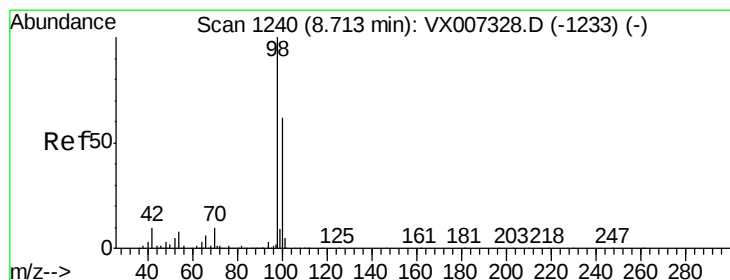
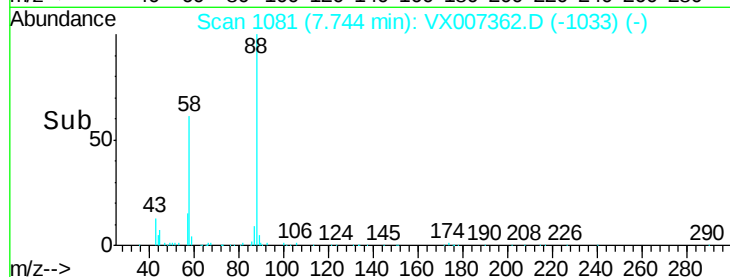
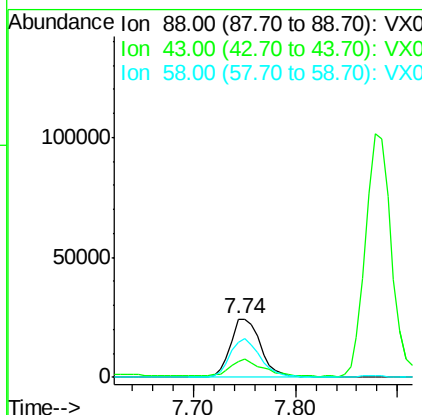
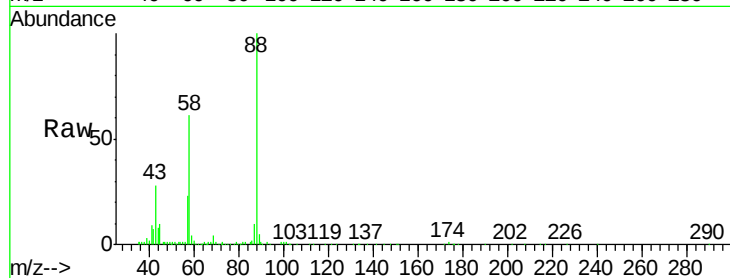
#49
 1,4-Dioxane
 Concen: 449.897 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	24.2	36.4
58	65.6	53.0	79.4

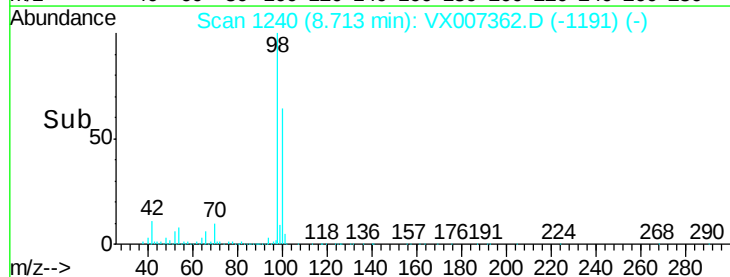
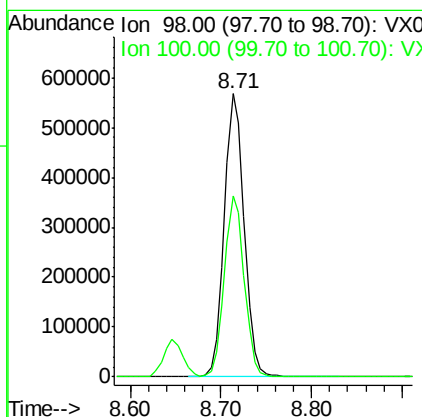
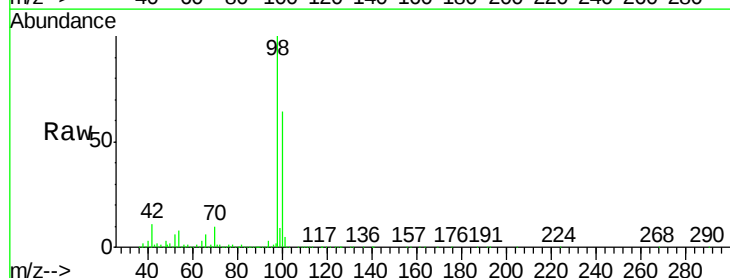
Manual Integrations
 APPROVED

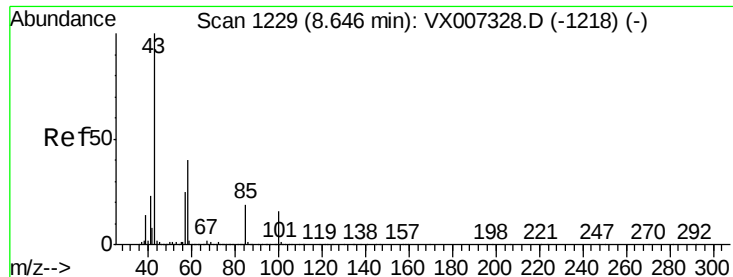
MMDadoda
 2/5/2019 9:52:44 AM



#50
 Toluene-d8
 Concen: 50.981 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 106.914 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

Tot Ion: 43 Resp: 691698

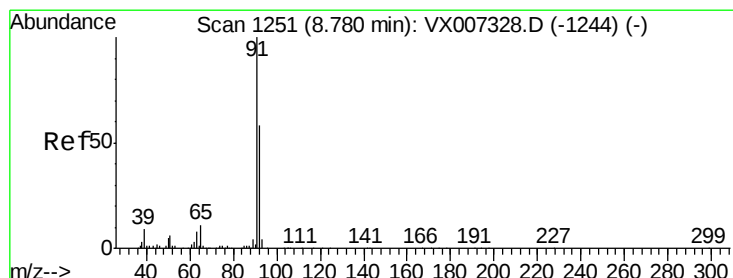
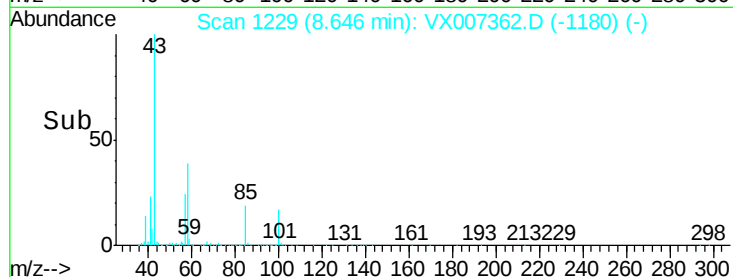
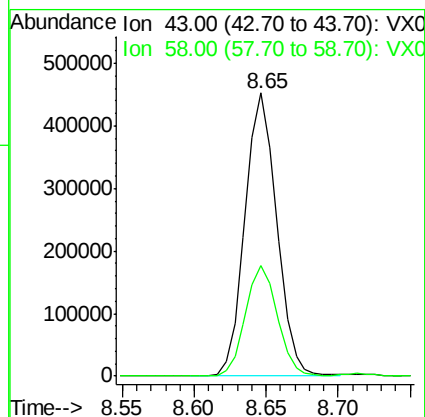
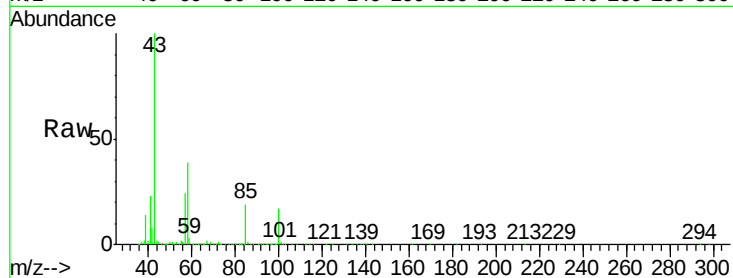
Ion Ratio Lower Upper

43 100

58 39.2 31.2 46.8

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#52

Toluene

Concen: 20.069 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007362.D

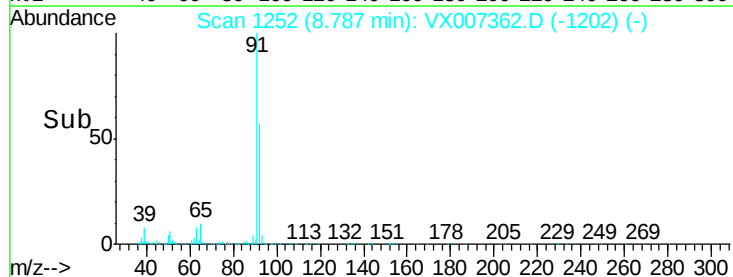
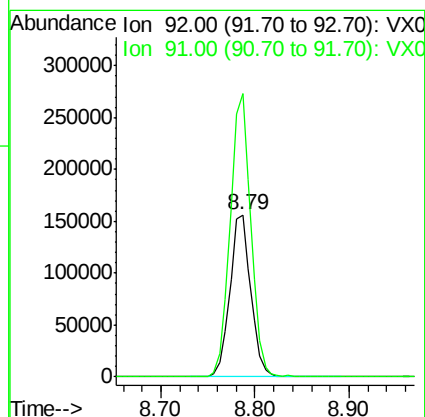
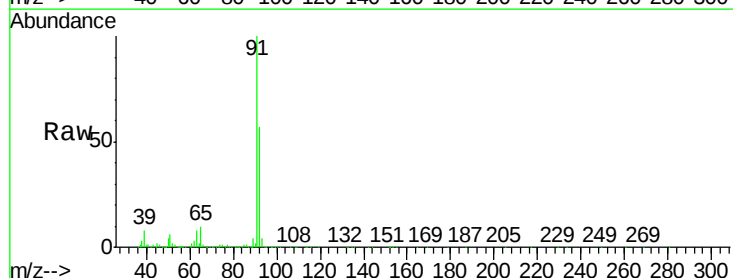
Acq: 04 Feb 2019 16:29

Tgt Ion: 92 Resp: 240240

Ion Ratio Lower Upper

92 100

91 172.3 139.1 208.7





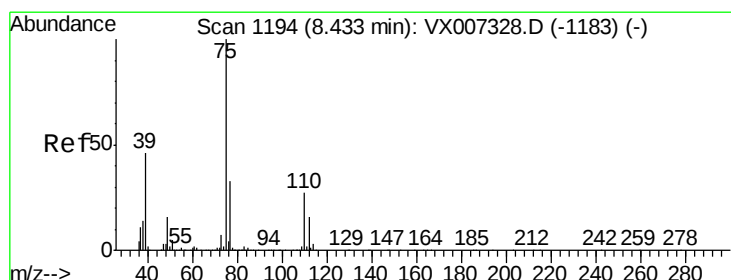
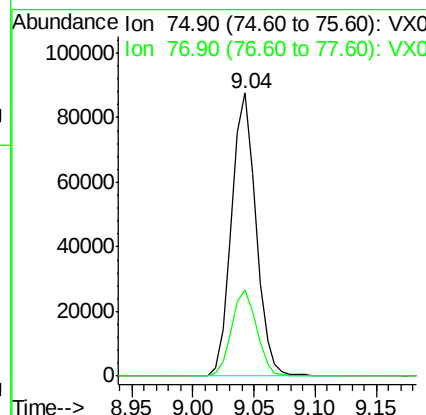
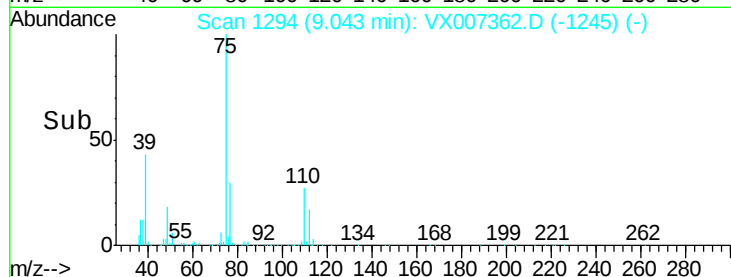
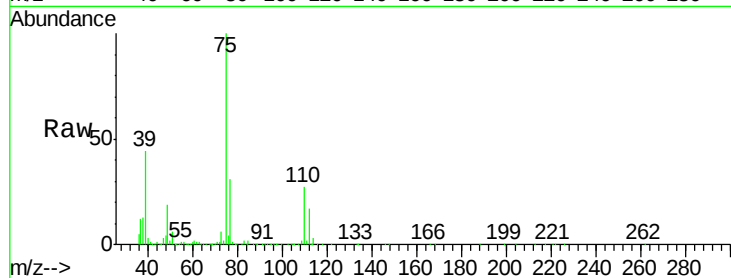
#53
t-1,3-Dichloropropene
Concen: 19.735 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.2	37.8

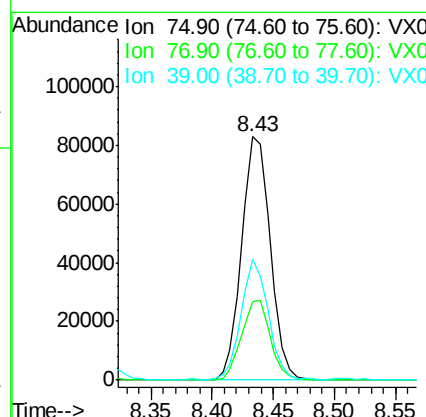
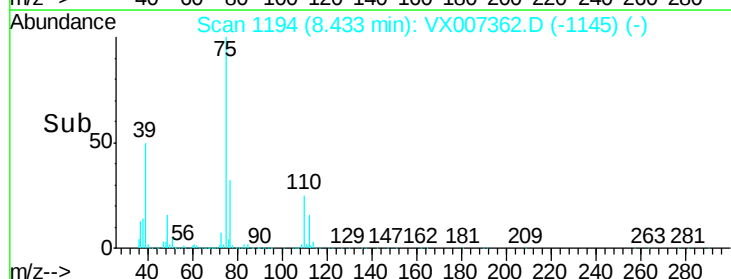
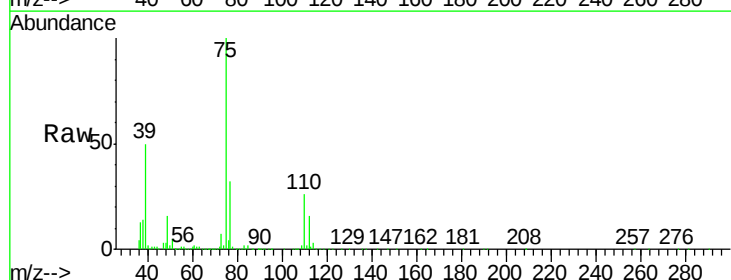
Manual Integrations
APPROVED

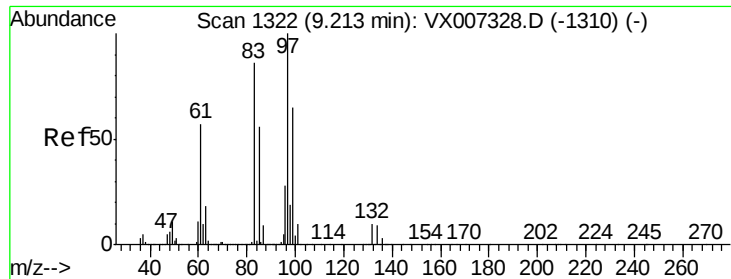
MMDadoda
2/5/2019 9:52:44 AM



#54
cis-1,3-Dichloropropene
Concen: 19.971 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.2	39.4
39	49.3	37.1	55.7





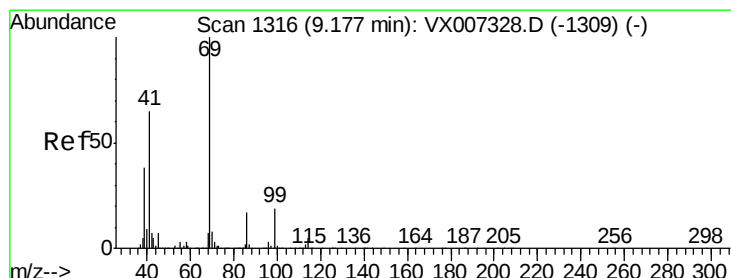
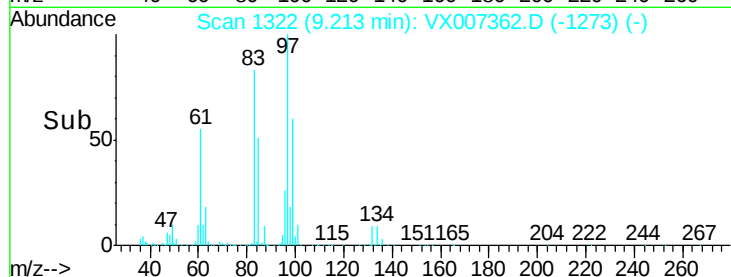
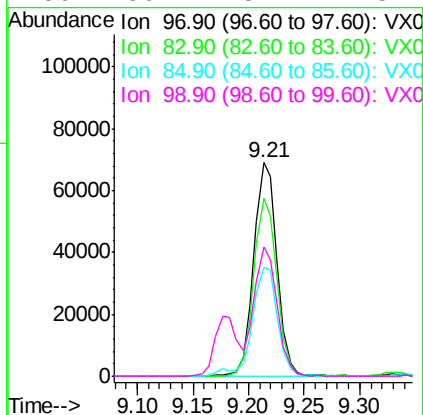
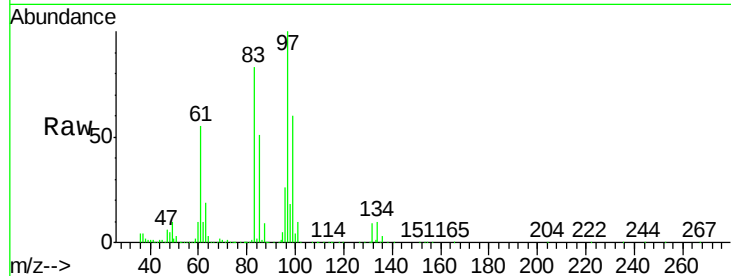
#55
1,1,2-Trichloroethane
Concen: 20.168 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		100638		
83	83.0	68.6	102.8		
85	51.2	44.5	66.7		
99	60.2	52.2	78.4		

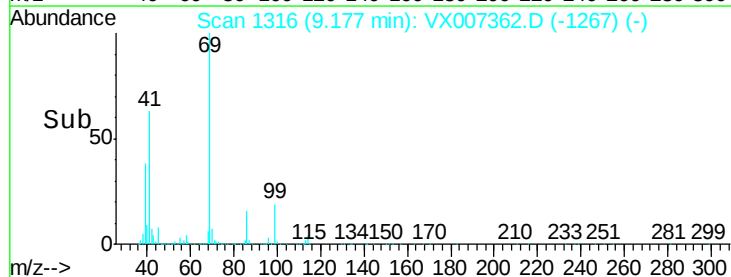
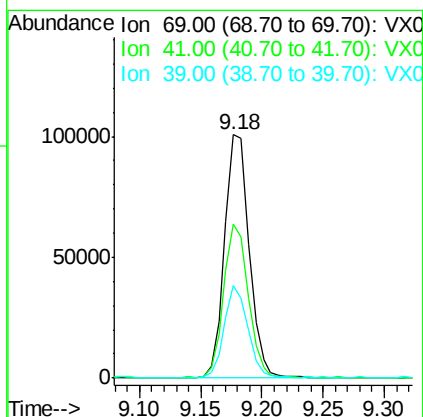
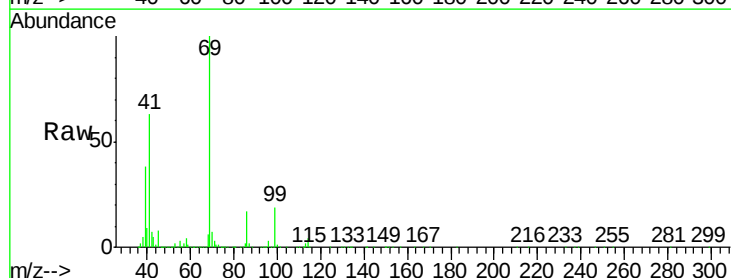
Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#56
Ethyl methacrylate
Concen: 20.496 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		141653		
41	63.3	52.1	78.1		
39	36.1	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 20.097 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

Tot Ion: 76 Resp: 159479

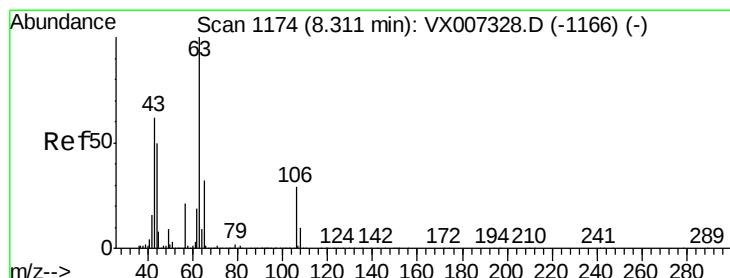
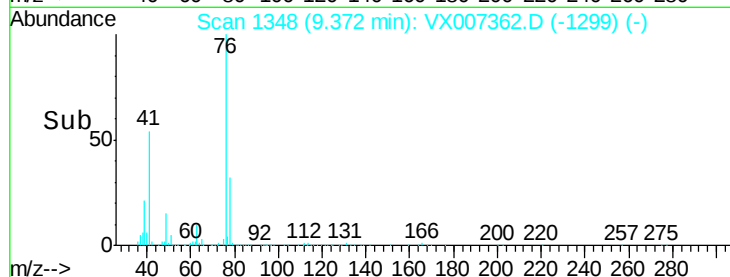
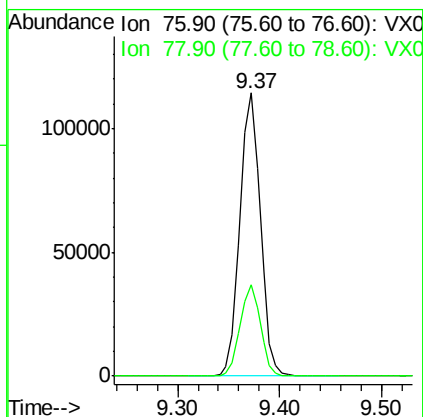
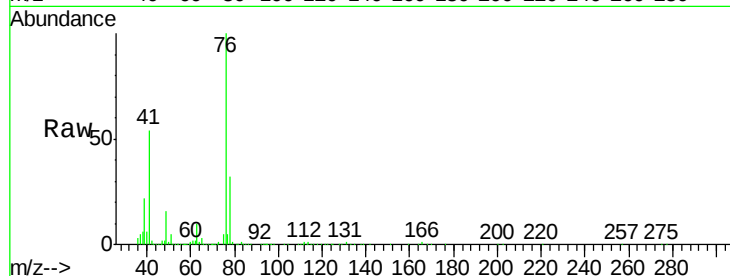
Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#58

2-Chloroethyl Vinyl ether

Concen: 102.186 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007362.D

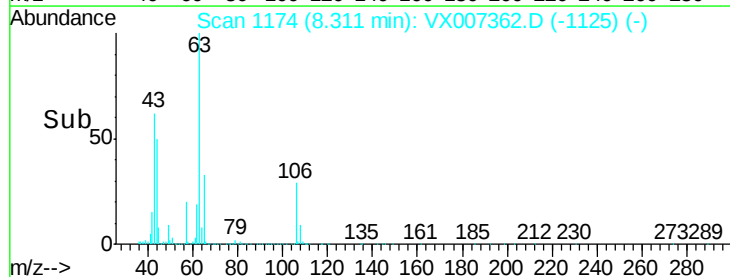
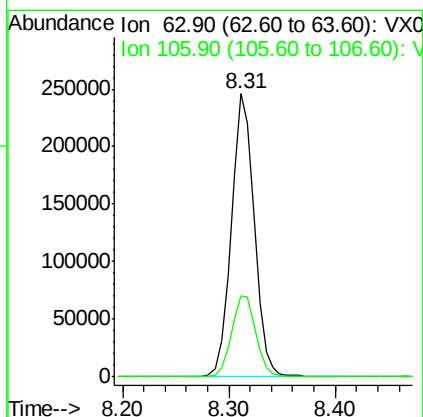
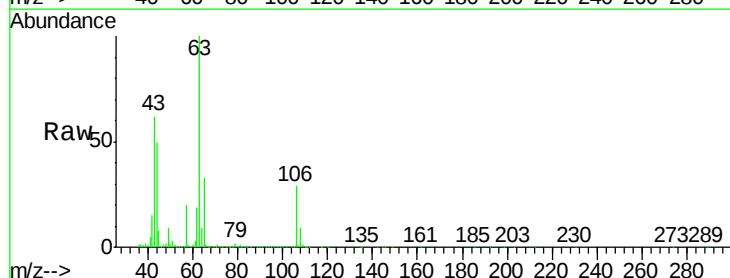
Acq: 04 Feb 2019 16:29

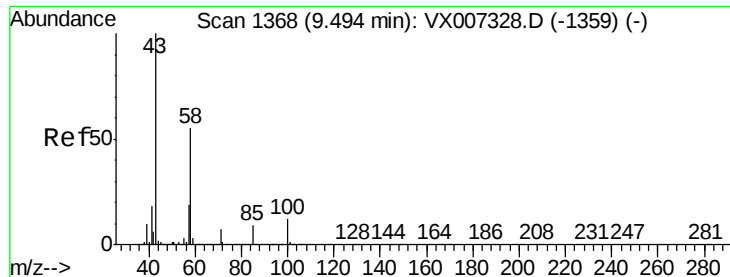
Tgt Ion: 63 Resp: 372235

Ion Ratio Lower Upper

63 100

106 30.4 23.6 35.4





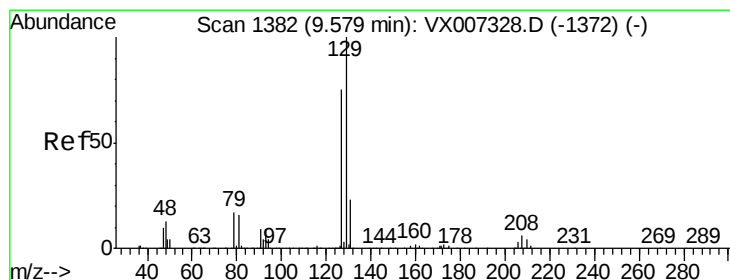
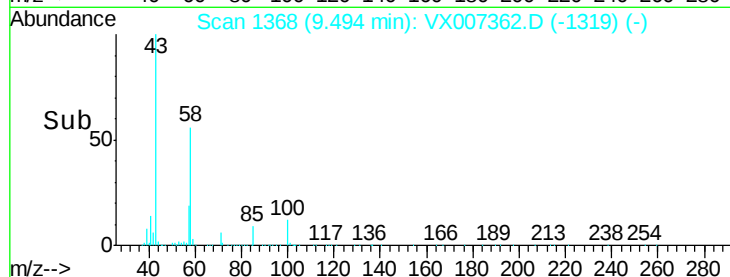
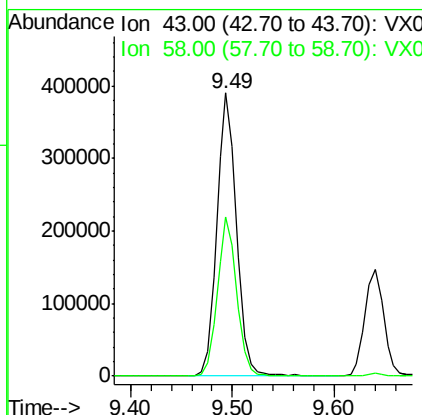
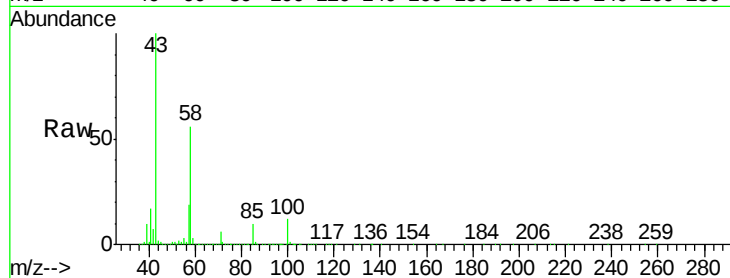
#59
2-Hexanone
Concen: 104.407 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion: 43 Resp: 525635
Ion Ratio Lower Upper
43 100
58 55.3 27.1 81.3

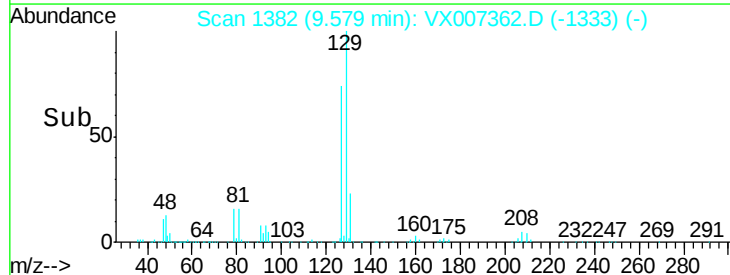
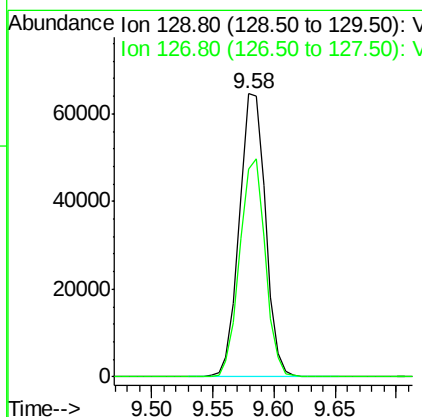
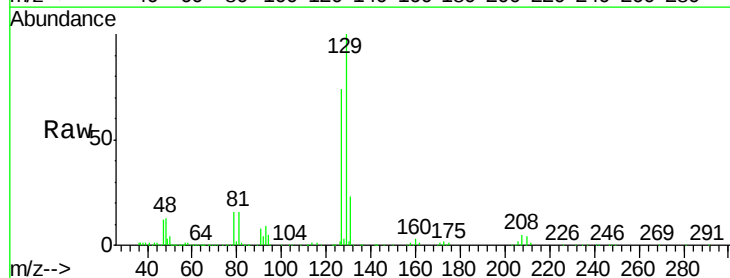
Manual Integrations
APPROVED

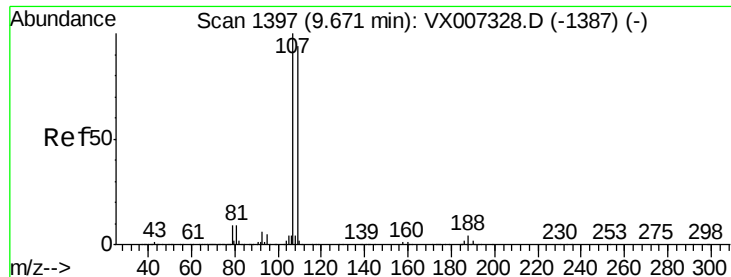
MMDadoda
2/5/2019 9:52:44 AM



#60
Dibromochloromethane
Concen: 20.332 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion: 129 Resp: 95953
Ion Ratio Lower Upper
129 100
127 75.2 37.8 113.4





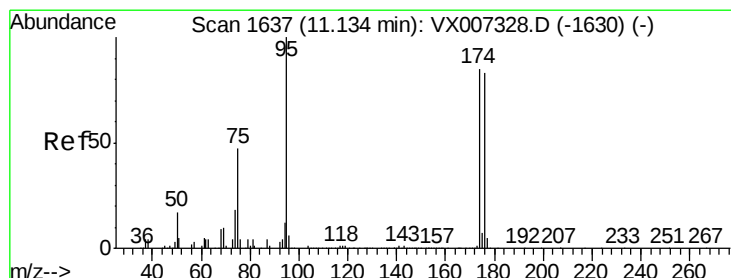
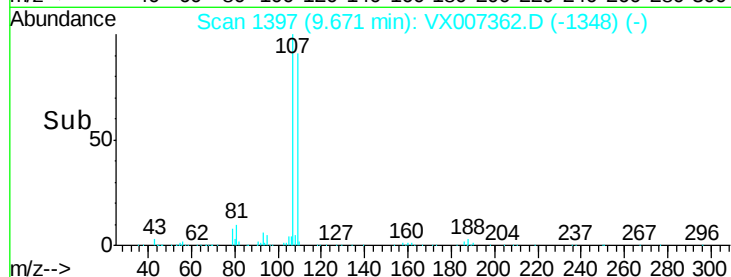
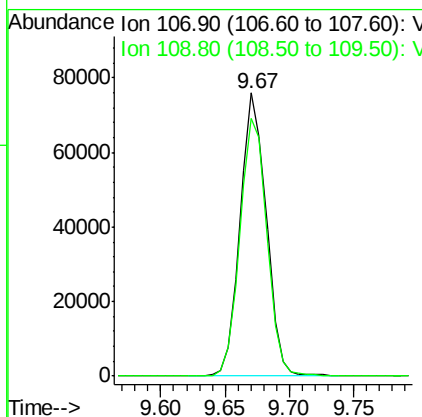
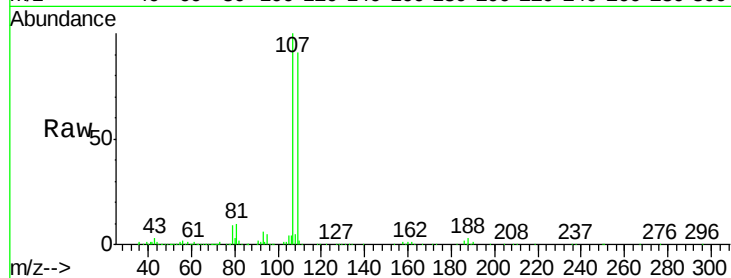
#61
 1,2-Dibromoethane
 Concen: 20.224 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.1	112.7

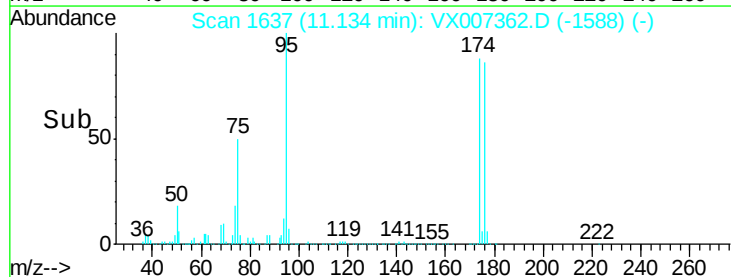
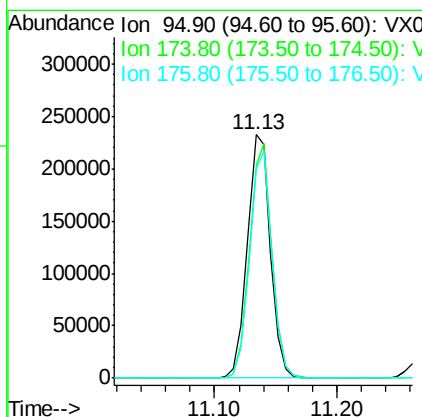
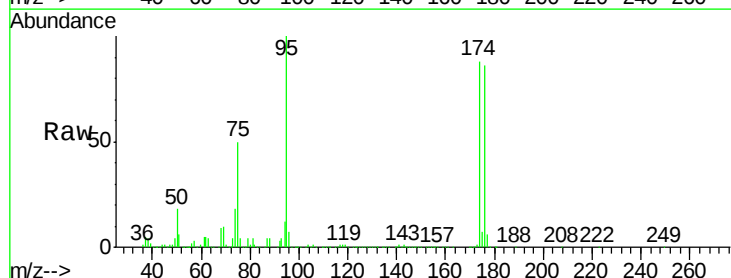
Manual Integrations
 APPROVED

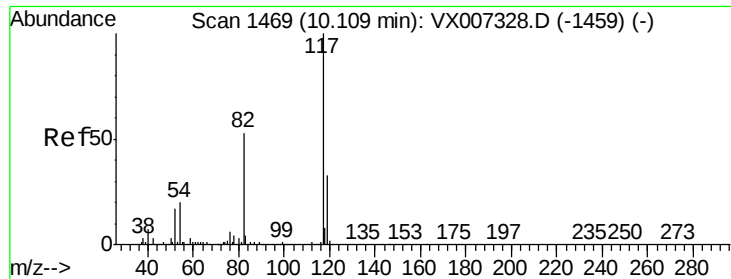
MMDadoda
 2/5/2019 9:52:44 AM



#62
 4-Bromofluorobenzene
 Concen: 49.264 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.0	0.0	189.2
176	90.8	0.0	186.2





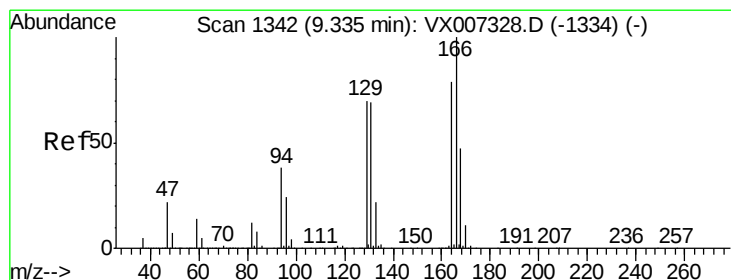
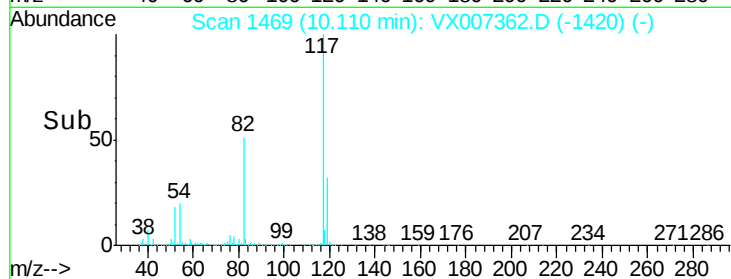
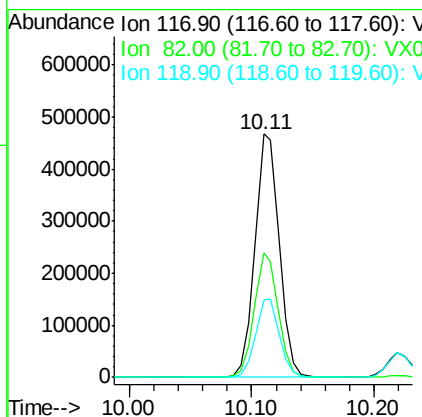
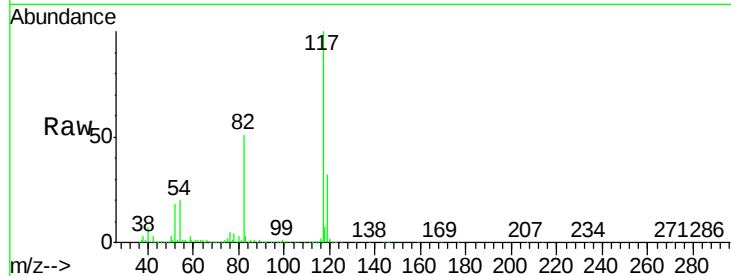
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	650557		
82	51.2	42.1	63.1	
119	31.8	26.5	39.7	

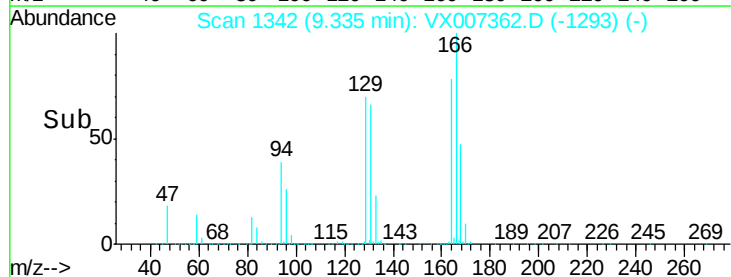
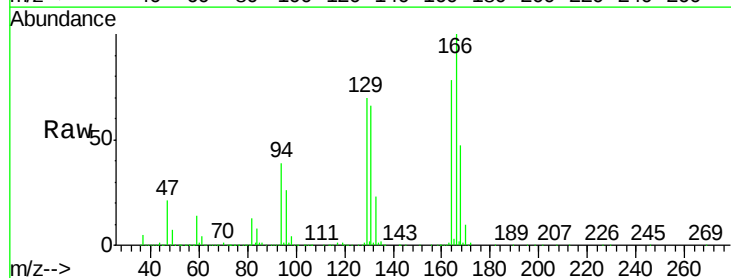
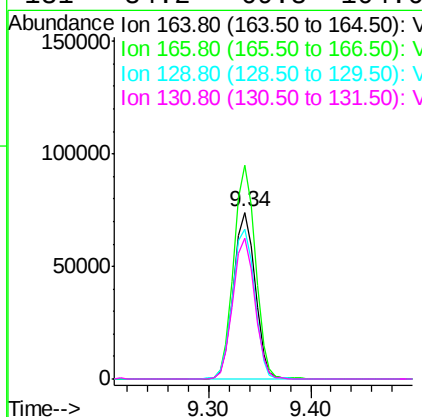
Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#64
Tetrachloroethene
Concen: 17.757 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	108878		
166	127.7	101.0	151.4	
129	89.7	70.5	105.7	
131	84.2	69.8	104.6	





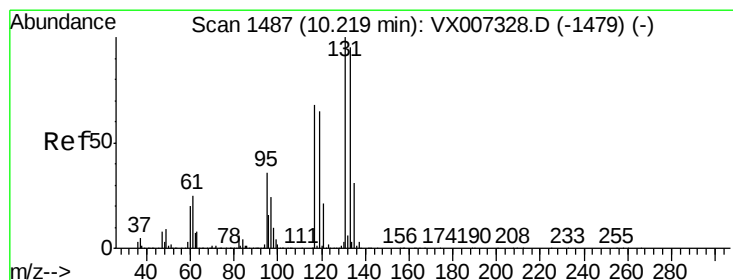
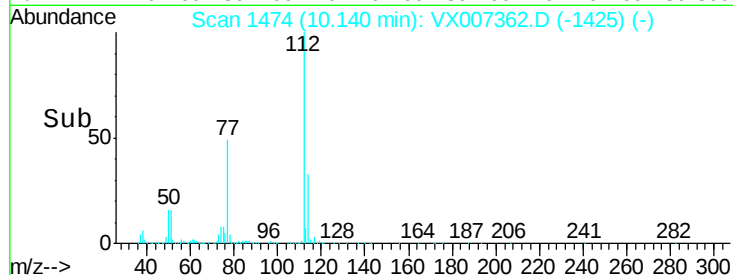
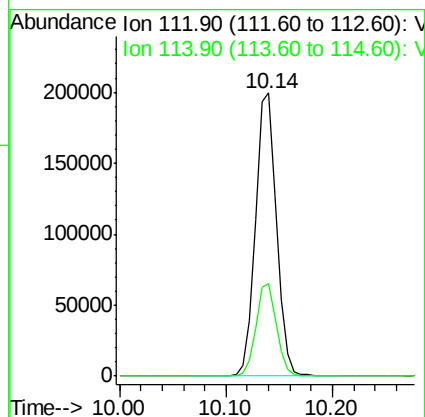
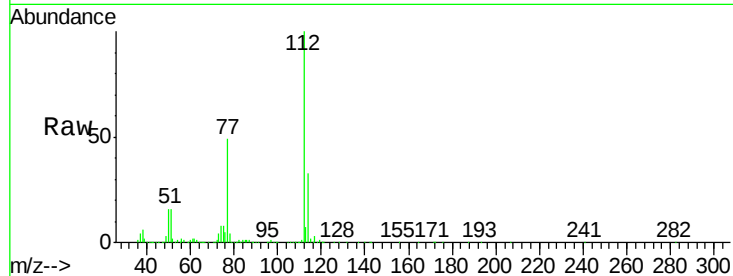
#65
Chlorobenzene
Concen: 19.508 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion:112 Resp: 276946
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6

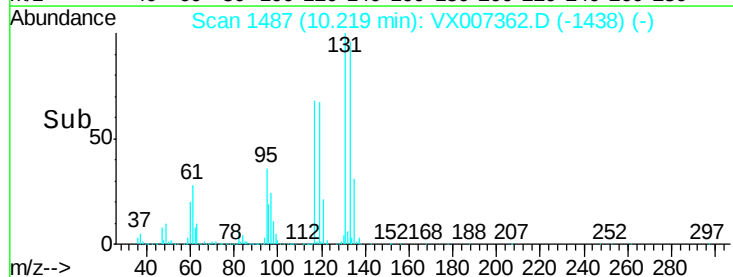
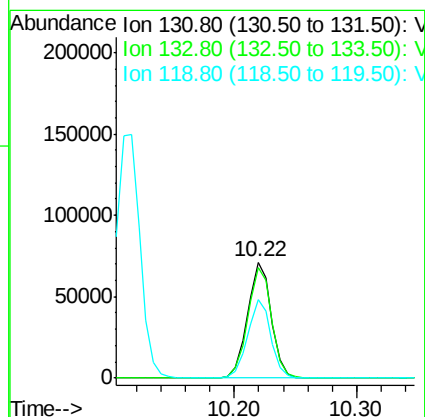
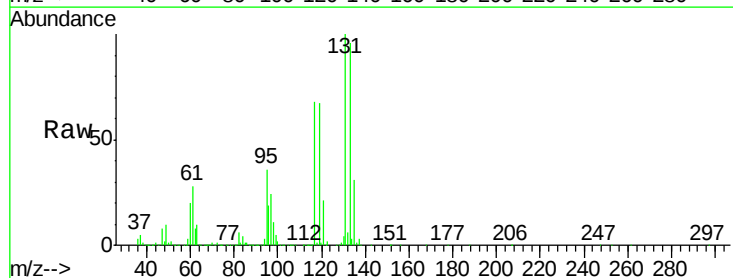
Manual Integrations
APPROVED

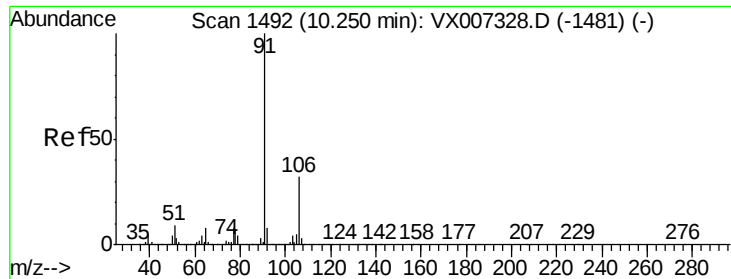
MMDadoda
2/5/2019 9:52:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.110 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion:131 Resp: 95715
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.2
119 65.8 32.0 96.0





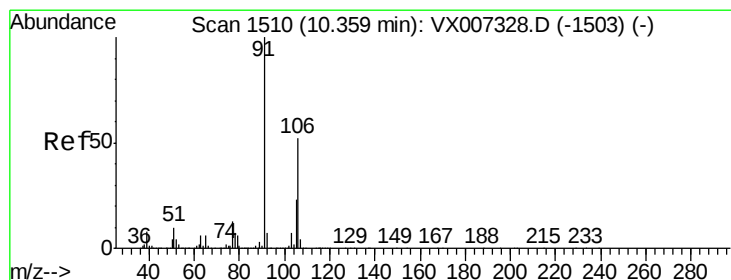
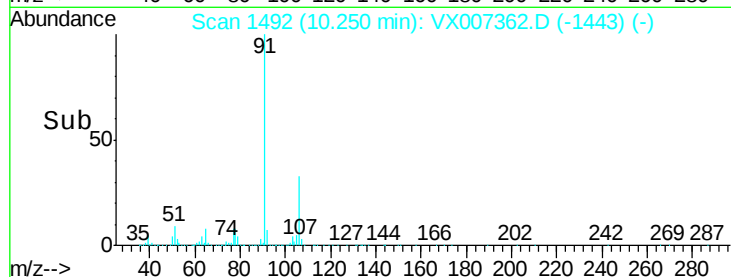
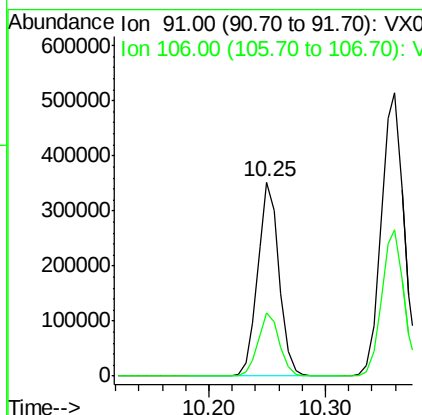
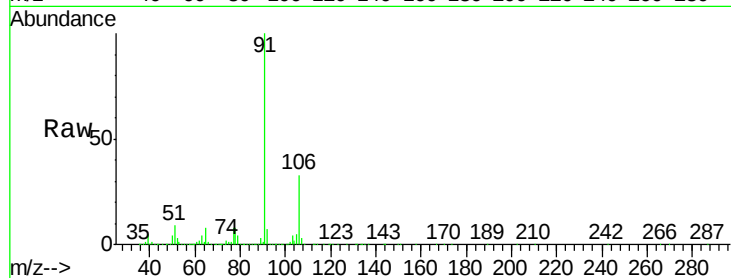
#67
Ethyl Benzene
Concen: 19.647 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion: 91 Resp: 449165
Ion Ratio Lower Upper
91 100
106 32.7 25.4 38.0

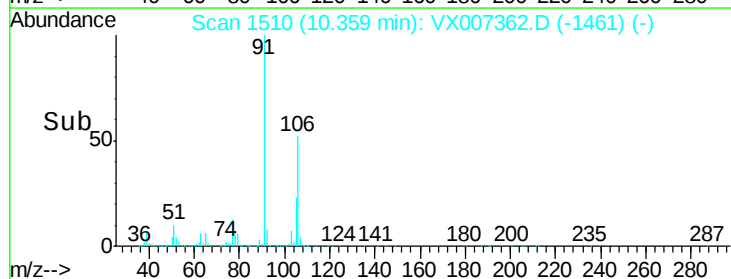
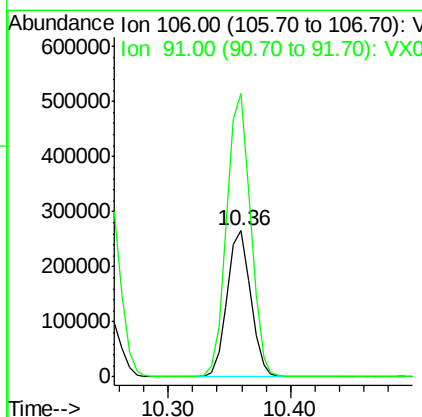
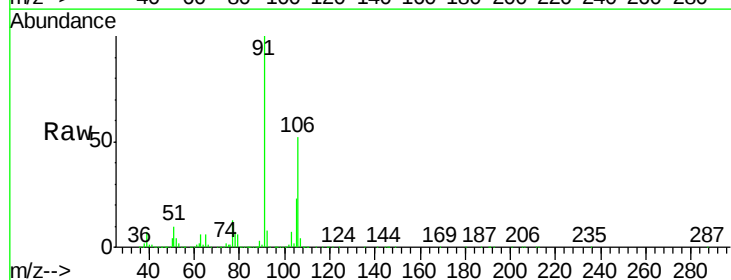
Manual Integrations
APPROVED

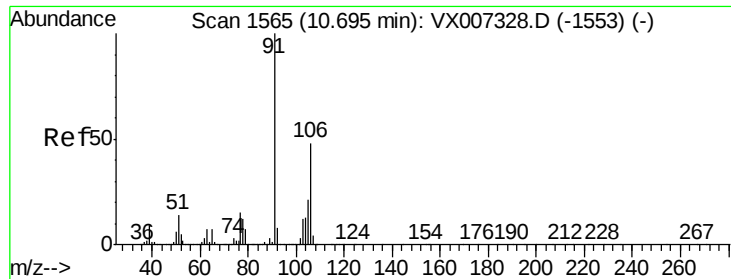
MMDadoda
2/5/2019 9:52:44 AM



#68
m/p-Xylenes
Concen: 38.952 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion: 106 Resp: 353985
Ion Ratio Lower Upper
106 100
91 196.0 156.6 234.8





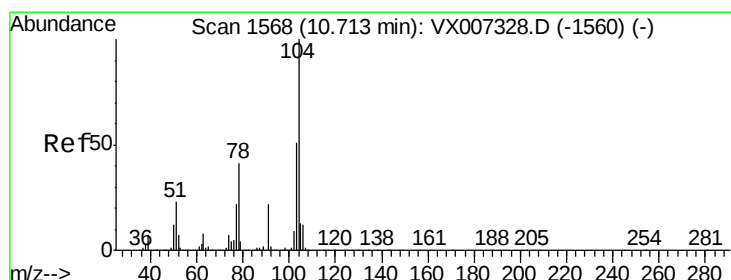
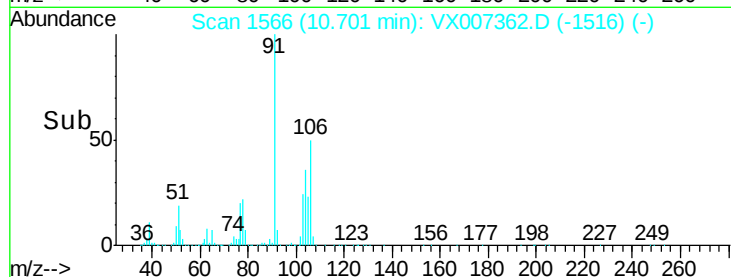
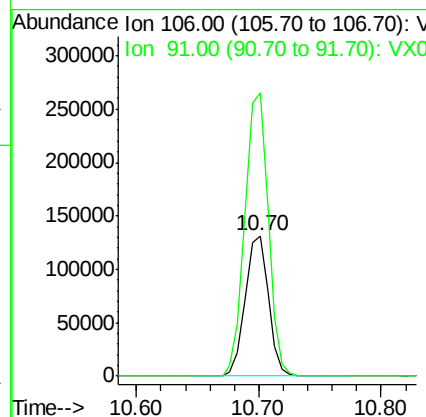
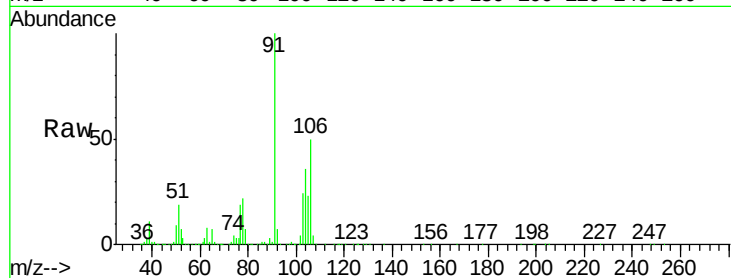
#69
o-Xylene
Concen: 19.757 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion:106 Resp: 172770
Ion Ratio Lower Upper
106 100
91 203.7 102.9 308.7

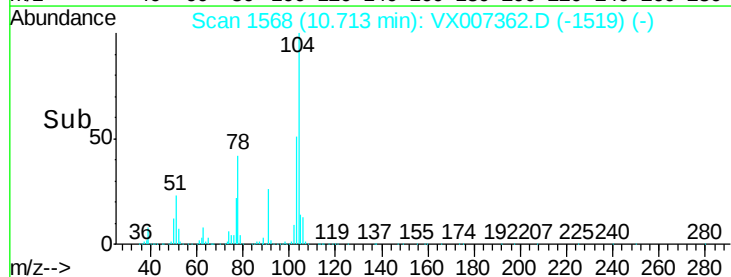
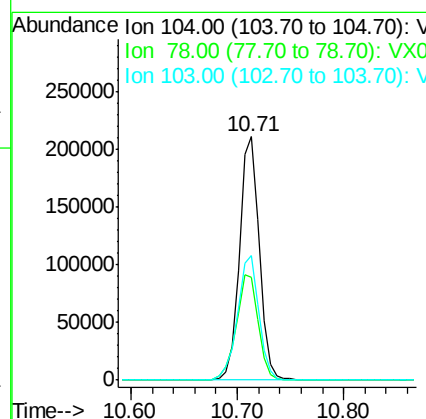
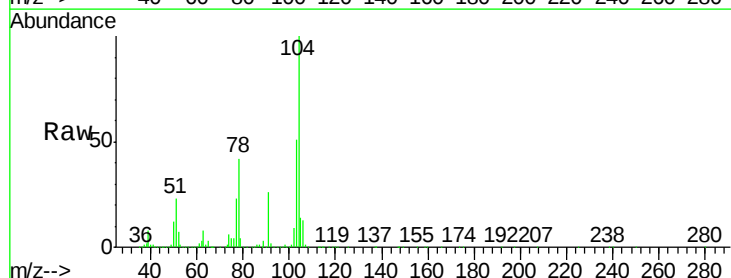
Manual Integrations
APPROVED

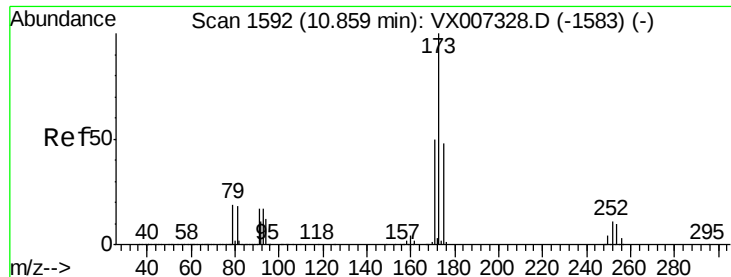
MMDadoda
2/5/2019 9:52:44 AM



#70
Styrene
Concen: 19.404 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion:104 Resp: 275187
Ion Ratio Lower Upper
104 100
78 48.4 38.3 57.5
103 55.7 44.6 67.0





#71

Bromoform

Concen: 19.675 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampled :

VX0204WBSD01

Tot Ion:173 Resp: 71036

Ion Ratio Lower Upper

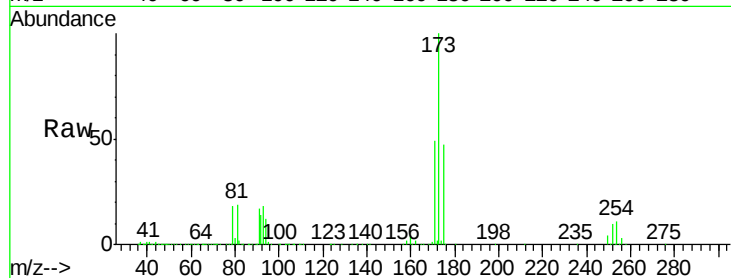
173 100

175 47.0 24.2 72.6

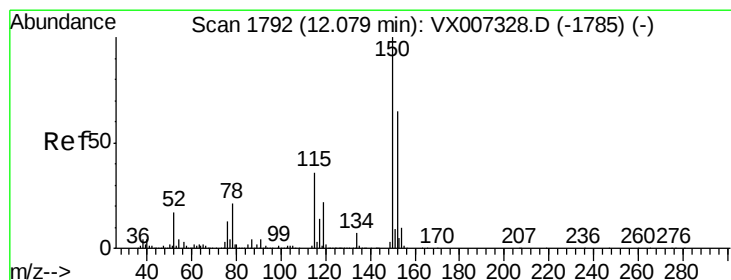
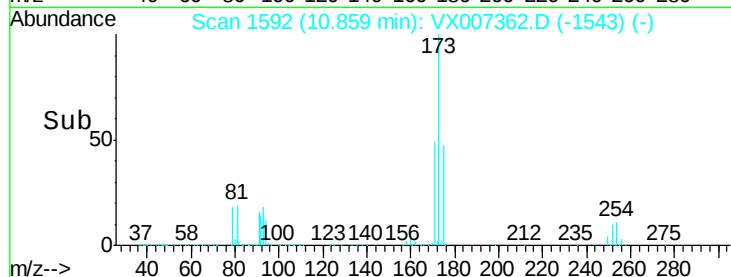
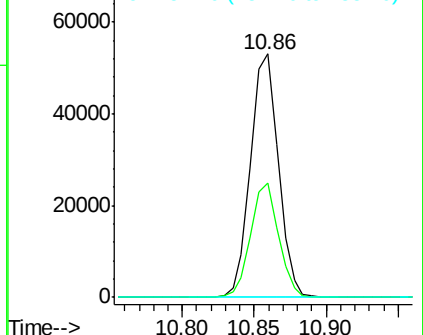
254 0.3 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

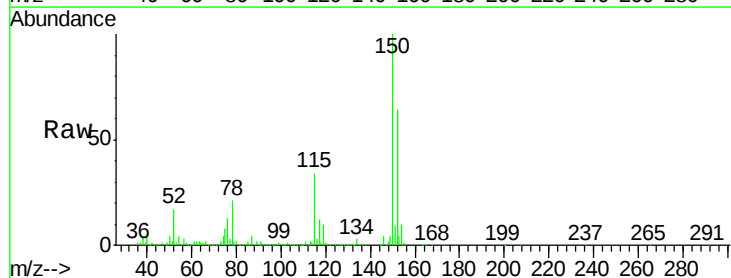
Tgt Ion:152 Resp: 331780

Ion Ratio Lower Upper

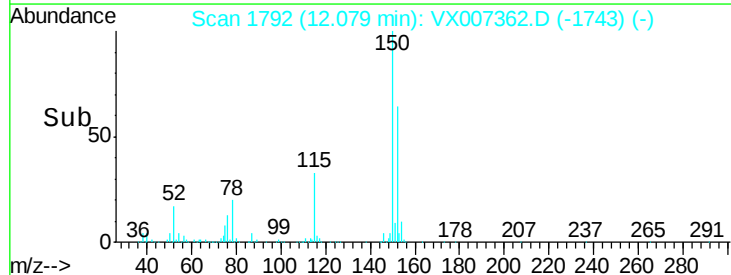
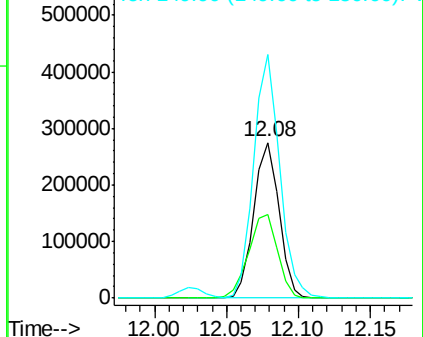
152 100

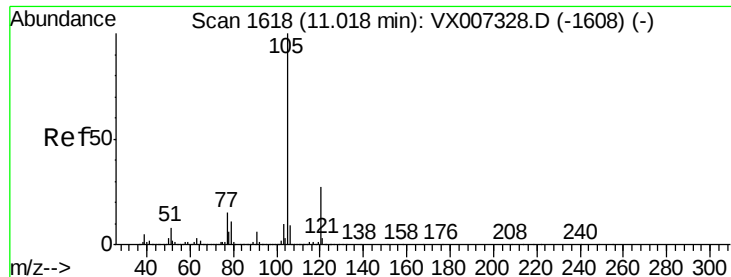
115 62.2 38.0 114.0

150 161.7 0.0 346.4



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





#73

Isopropylbenzene

Concen: 20.271 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

Tot Ion: 105 Resp: 457033

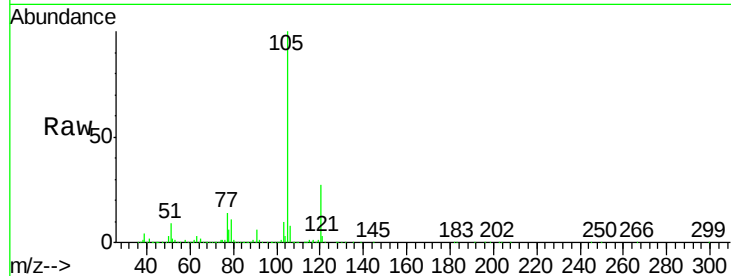
Ion Ratio Lower Upper

105 100

120 27.6 13.6 40.7

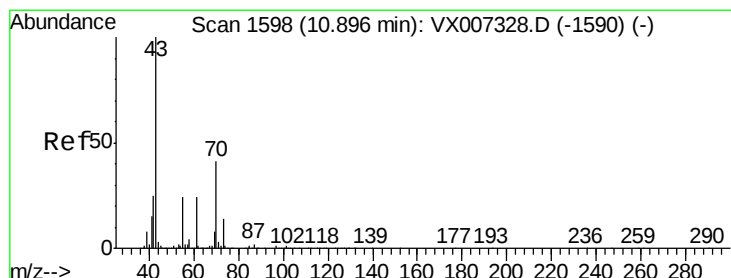
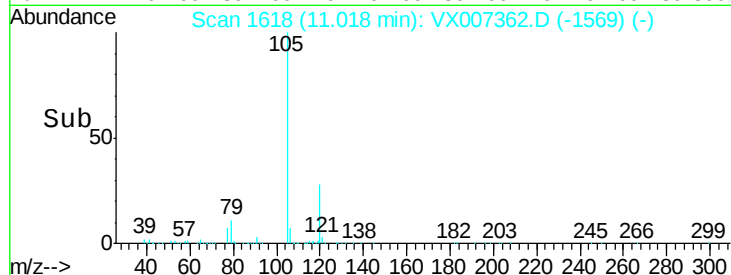
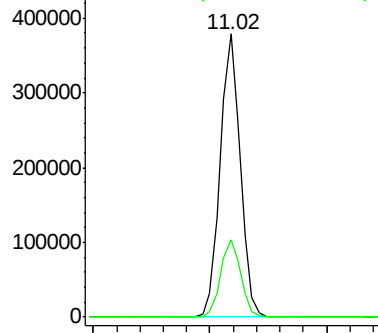
Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.789 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Tgt Ion: 43 Resp: 181293

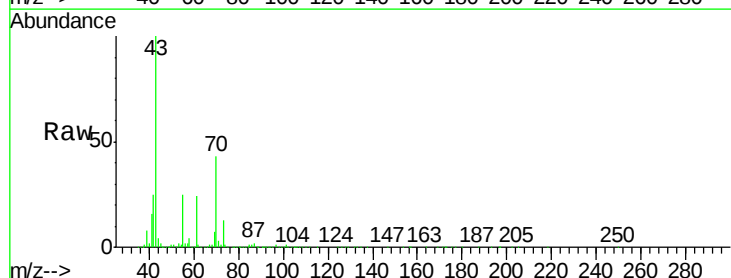
Ion Ratio Lower Upper

43 100

70 42.3 33.8 50.6

55 26.0 19.5 29.3

61 24.3 19.4 29.2

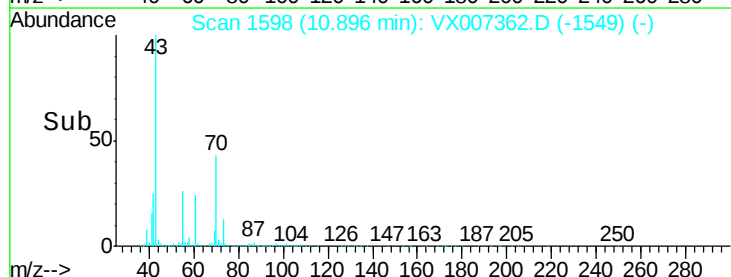
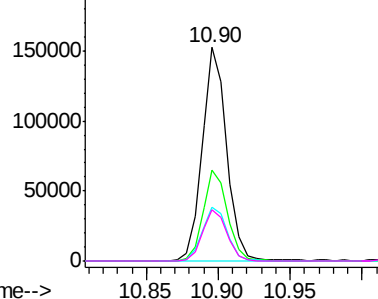


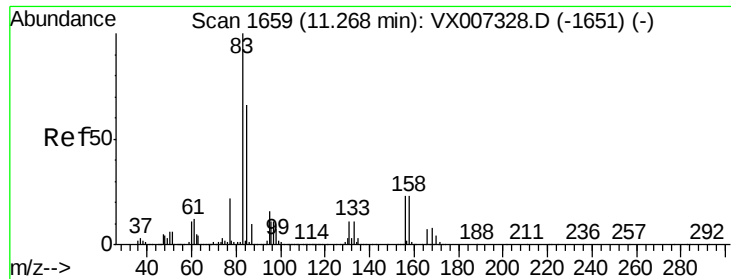
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.049 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

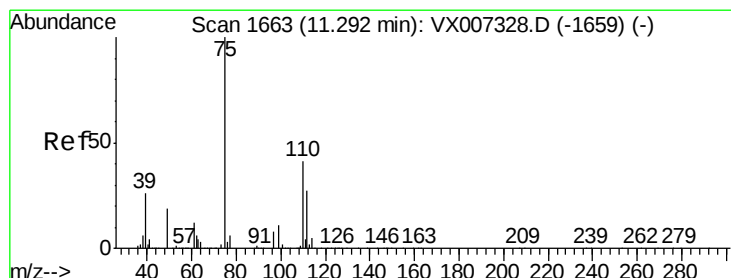
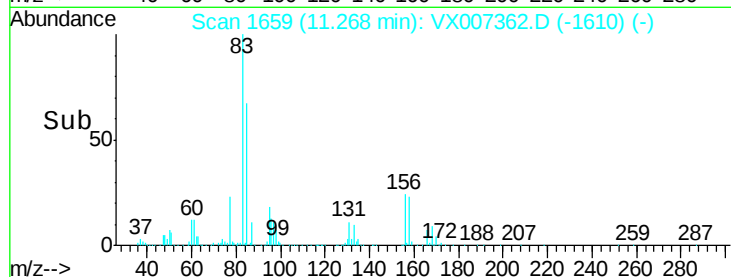
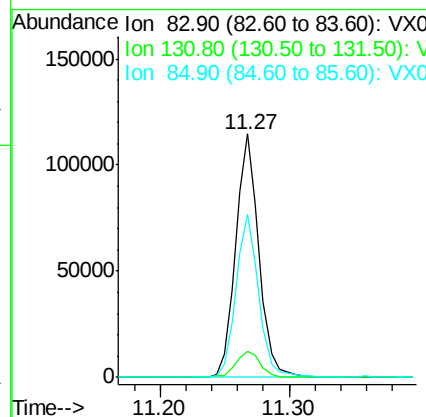
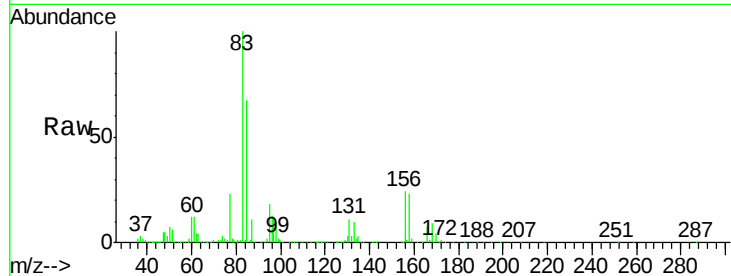
ClientSampleId :

VX0204WBSD01

Tot Ion:	83	Resp:	144631
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	65.8	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#76

1,2,3-Trichloropropane

Concen: 21.434 ug/l m

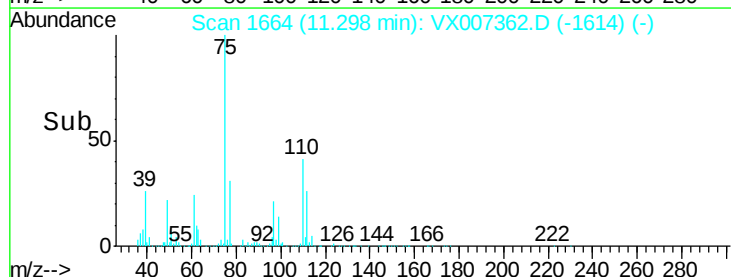
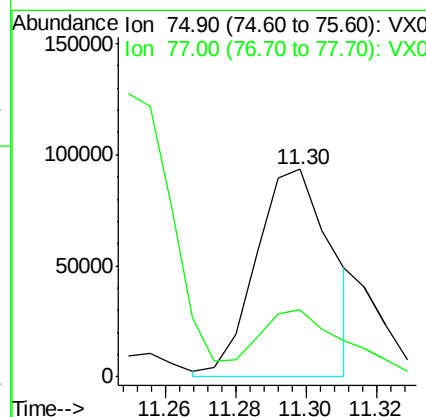
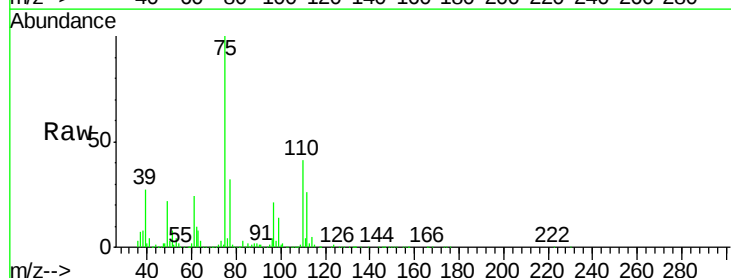
RT: 11.30 min Scan# 1664

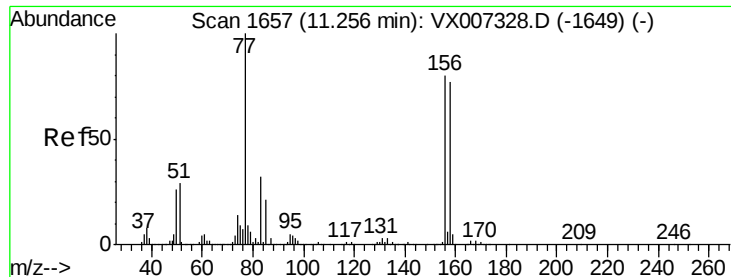
Delta R.T. 0.01 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Tgt Ion:	75	Resp:	138328
Ion Ratio	Lower	Upper	
75	100		
77	36.3	23.0	69.0





#77

Bromobenzene

Concen: 19.945 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampled :

VX0204WBSD01

Tot Ion:156 Resp: 126700

Ion Ratio Lower Upper

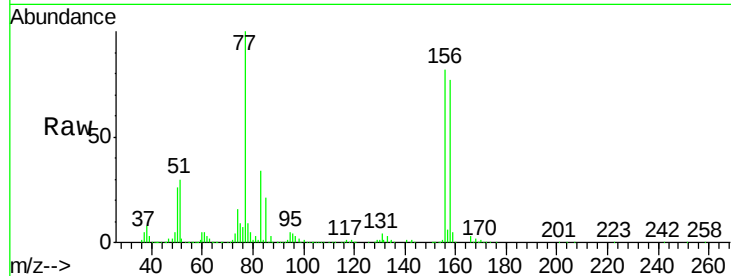
156 100

77 133.4 66.8 200.6

158 96.9 47.9 143.8

Manual Integrations
APPROVED

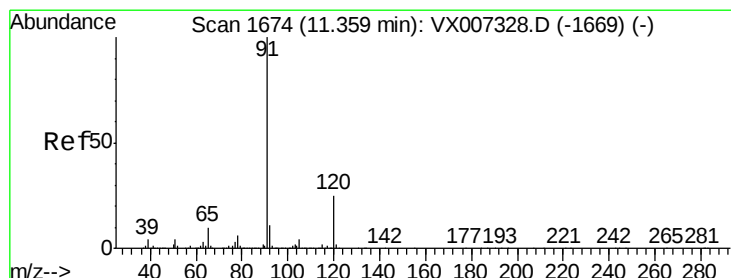
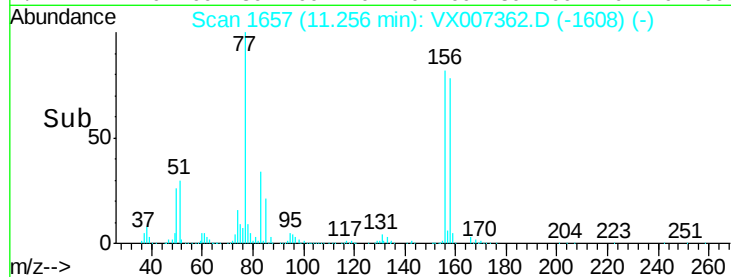
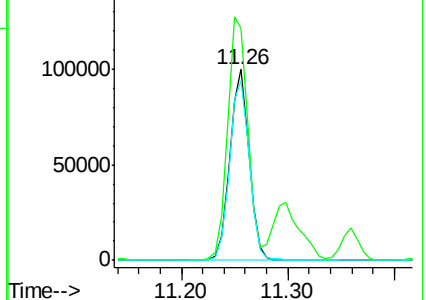
MMDadoda
2/5/2019 9:52:44 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.361 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007362.D

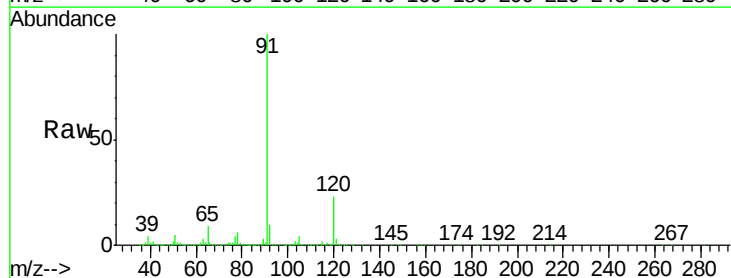
Acq: 04 Feb 2019 16:29

Tgt Ion: 91 Resp: 503398

Ion Ratio Lower Upper

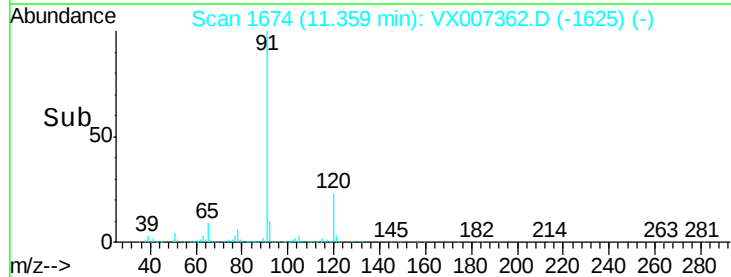
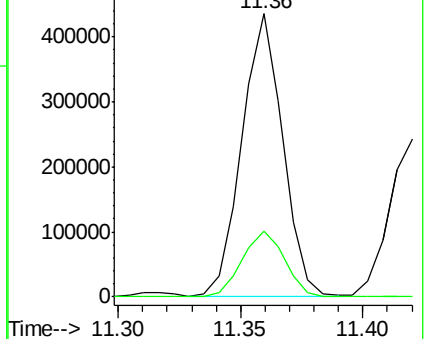
91 100

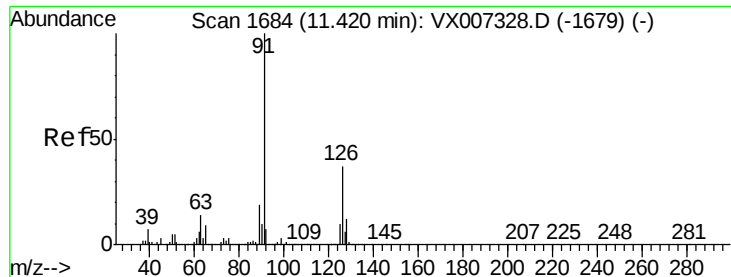
120 24.3 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.112 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampled :

VX0204WBSD01

Tot Ion: 91 Resp: 301715

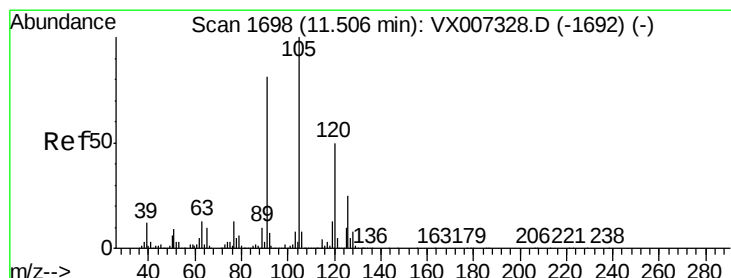
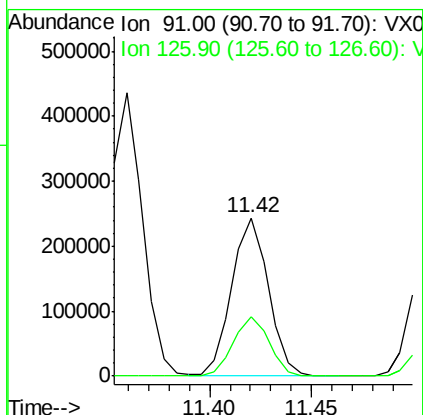
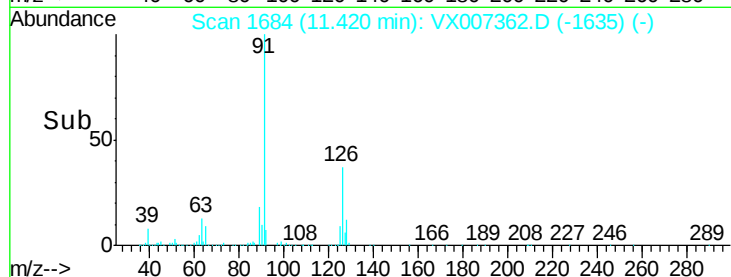
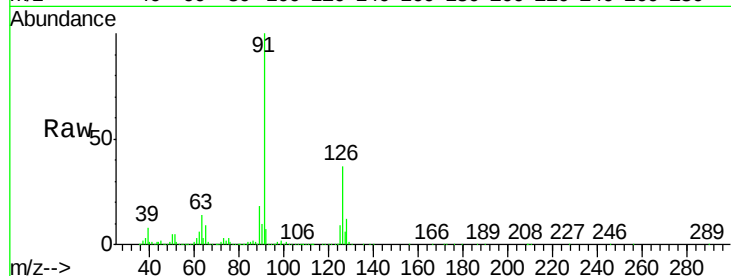
Ion Ratio Lower Upper

91 100

126 37.1 18.7 56.1

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.105 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007362.D

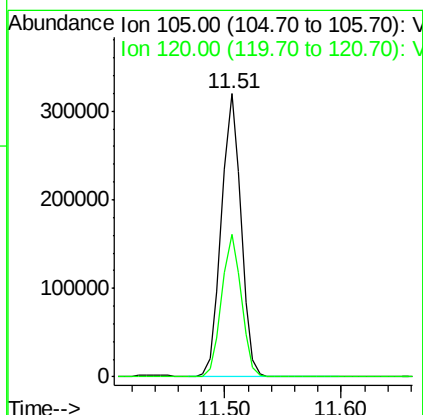
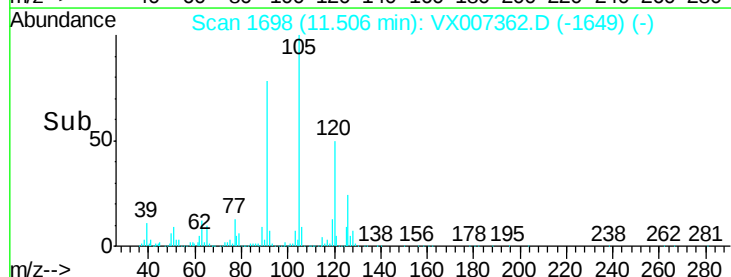
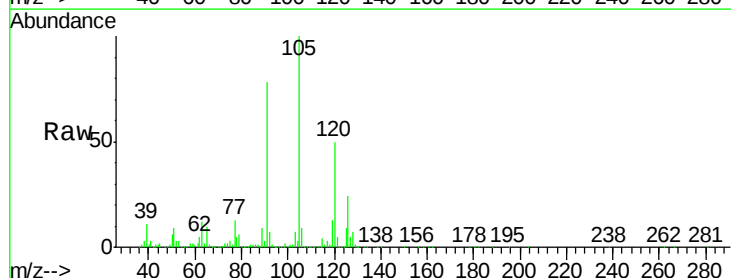
Acq: 04 Feb 2019 16:29

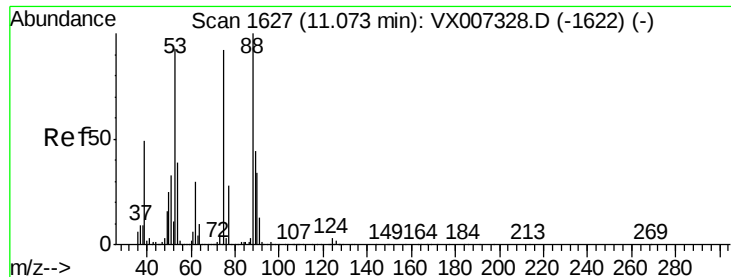
Tgt Ion: 105 Resp: 370851

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.8





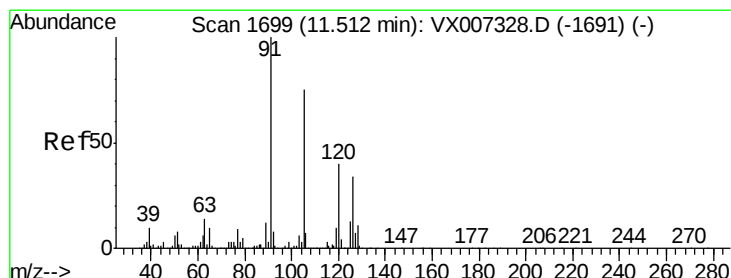
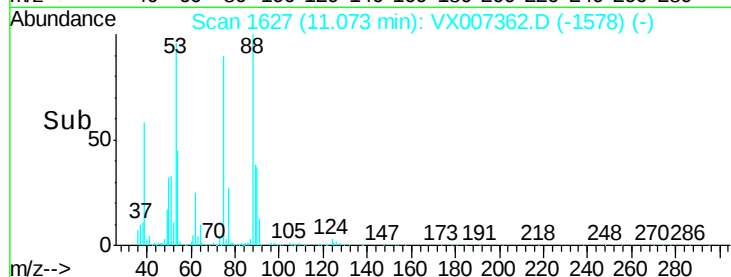
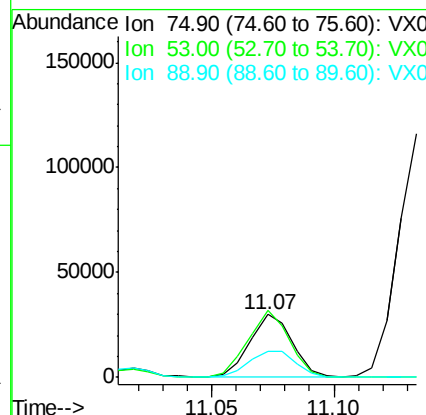
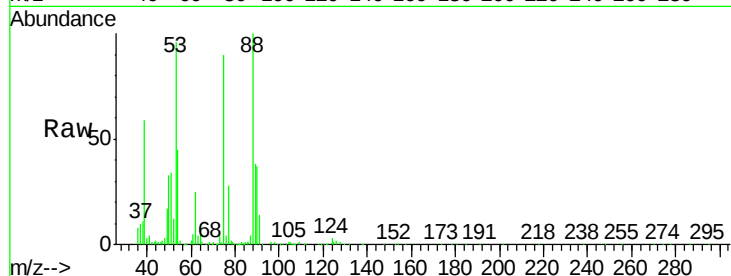
#81
trans-1,4-Dichloro-2-butene
Concen: 20.257 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.4	81.0	121.6
89	46.5	41.4	62.0

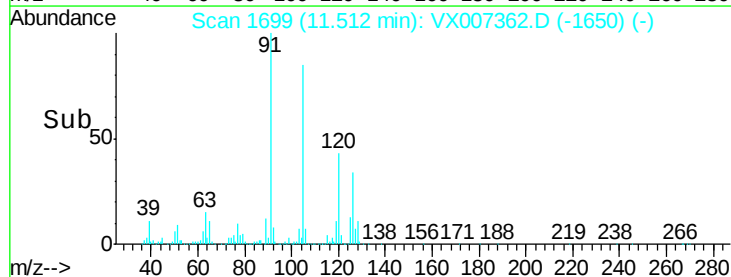
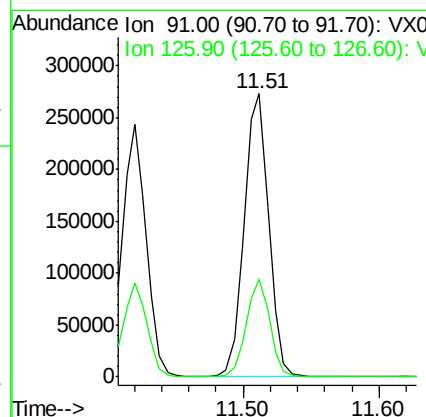
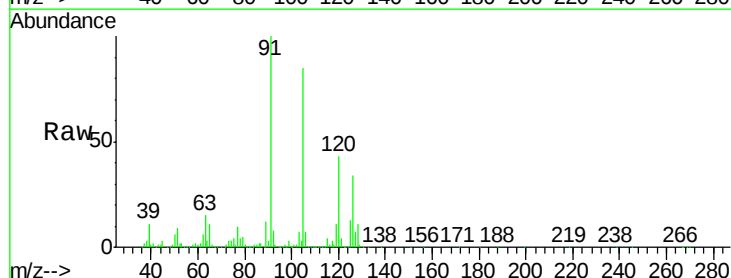
Manual Integrations
APPROVED

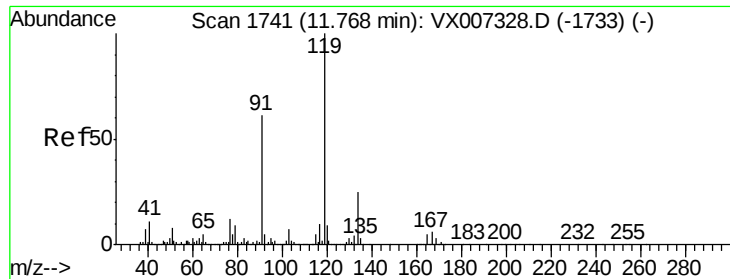
MMDadoda
2/5/2019 9:52:44 AM



#82
4-Chlorotoluene
Concen: 19.698 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.2	48.5





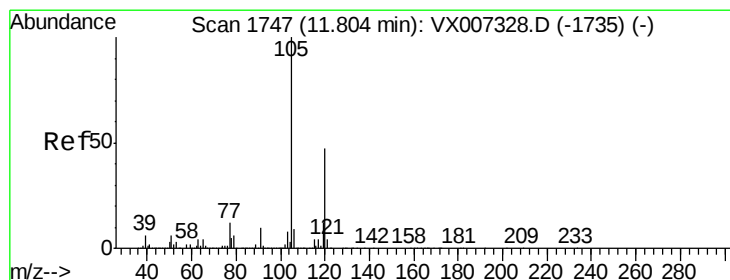
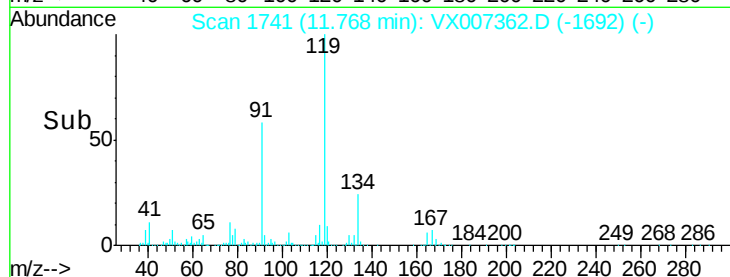
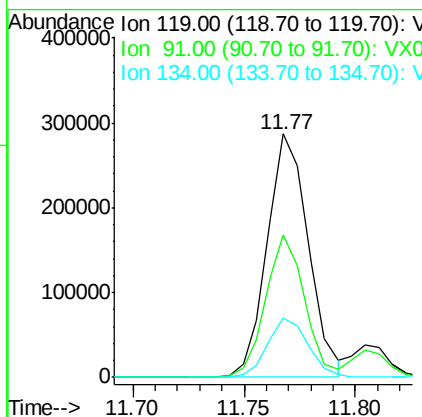
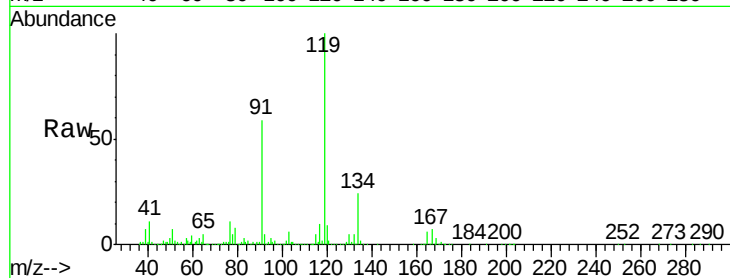
#83
tert-Butylbenzene
Concen: 20.230 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	369436		
91	55.2	28.5	85.6	
134	23.9	12.0	36.0	

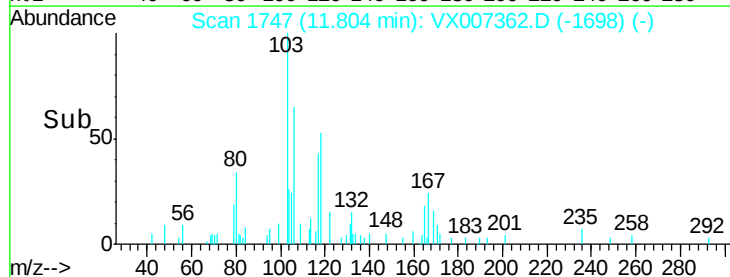
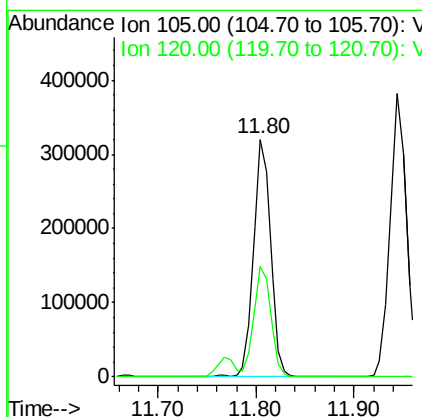
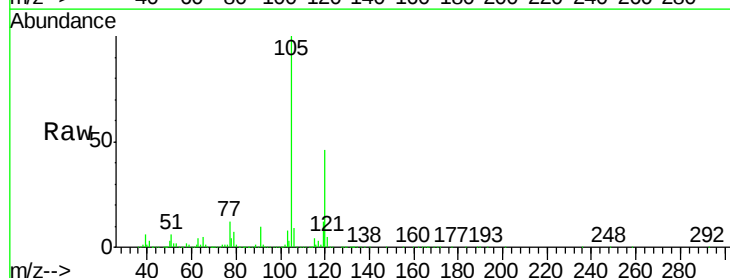
Manual Integrations
APPROVED

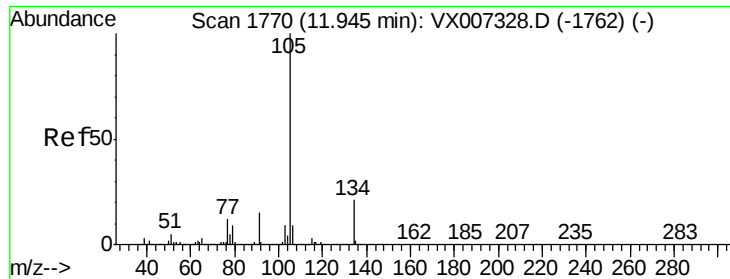
MMDadoda
2/5/2019 9:52:44 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.880 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	391012		
120	46.1	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.225 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBSD01

Tot Ion:105 Resp: 447022

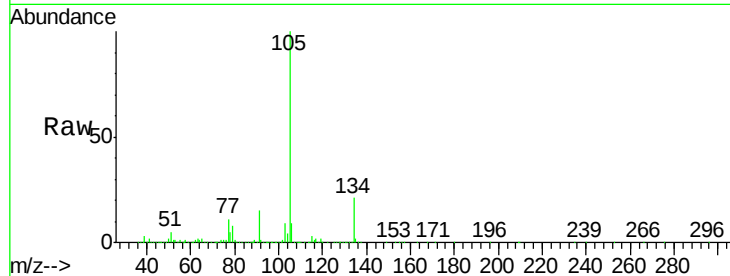
Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8

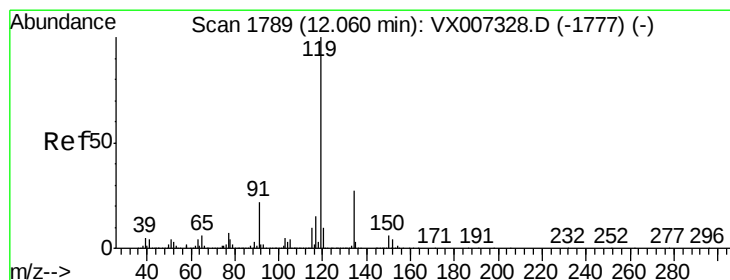
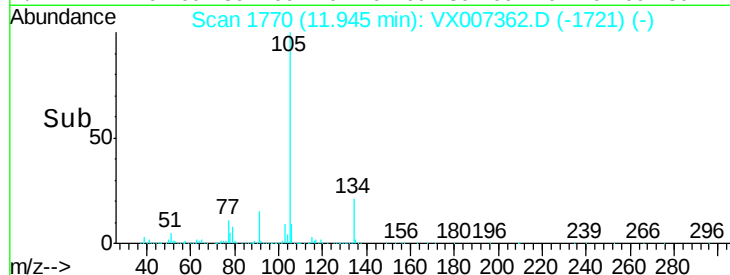
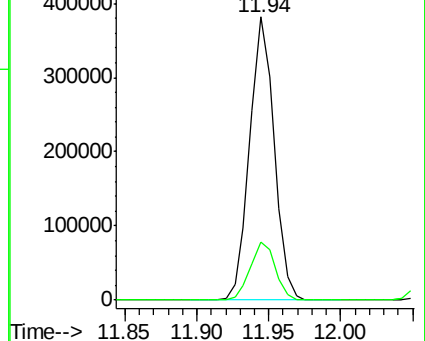
Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.959 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007362.D

Acq: 04 Feb 2019 16:29

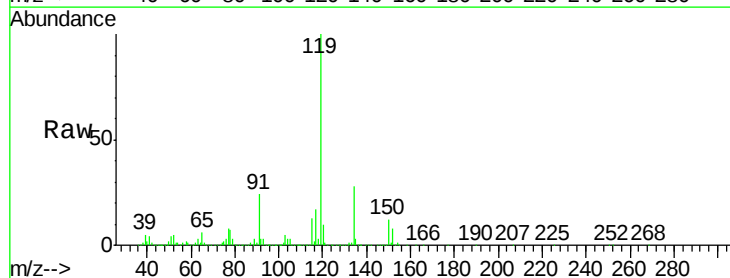
Tgt Ion:119 Resp: 398239

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

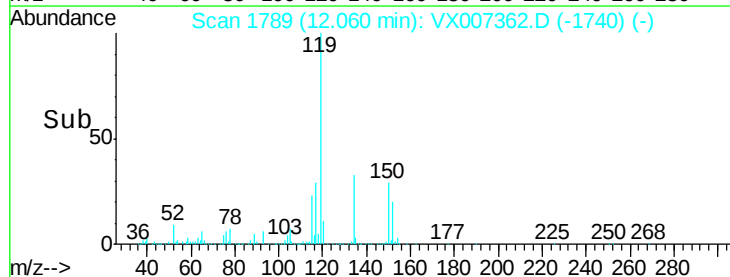
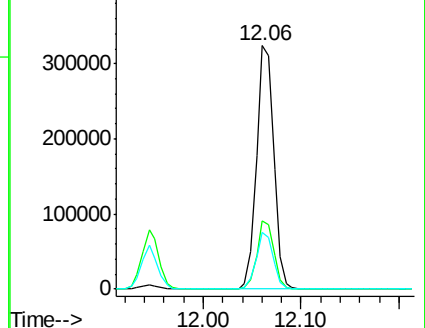
91 22.8 11.2 33.5

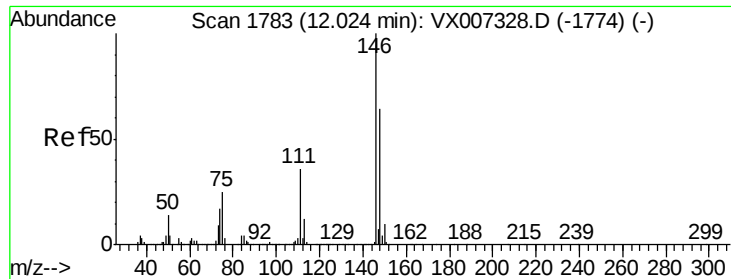


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





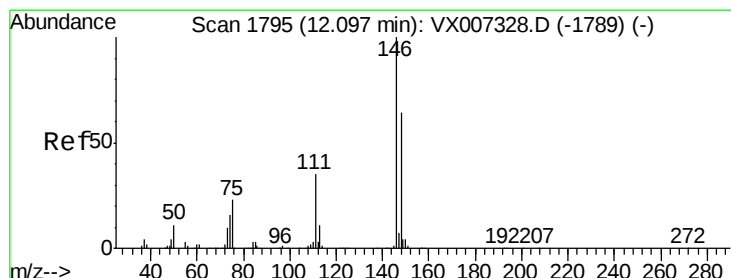
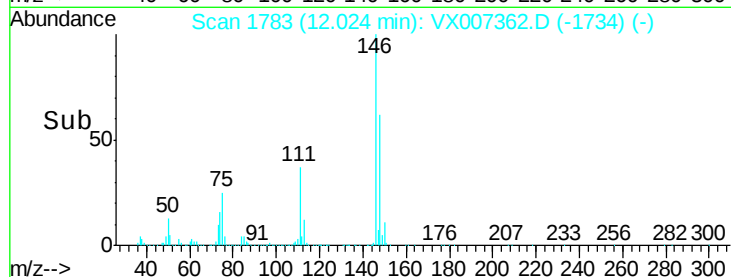
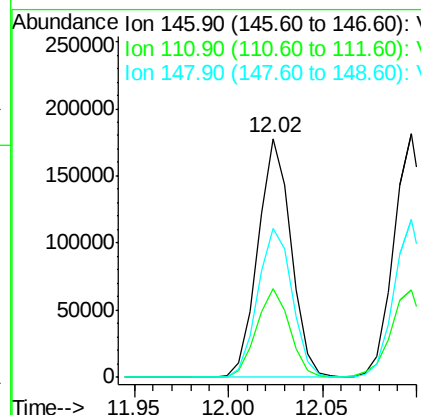
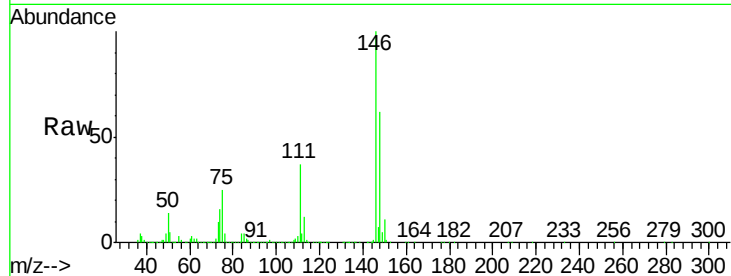
#87
 1,3-Dichlorobenzene
 Concen: 18.995 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	216556		
111	37.6	18.1	54.1	
148	64.8	32.0	96.2	

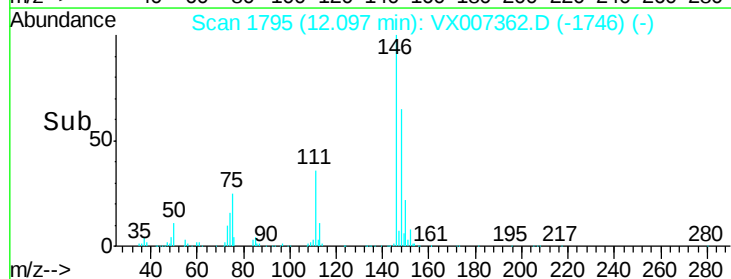
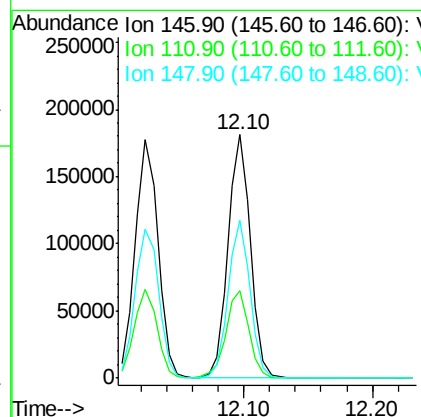
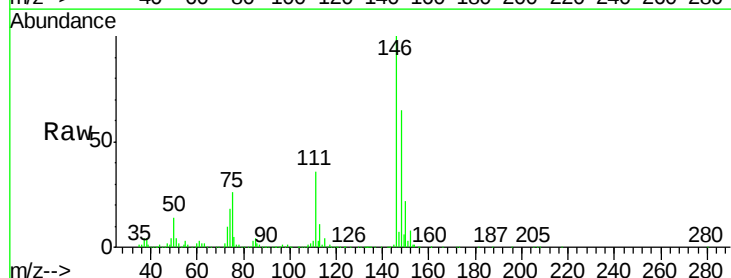
Manual Integrations
 APPROVED

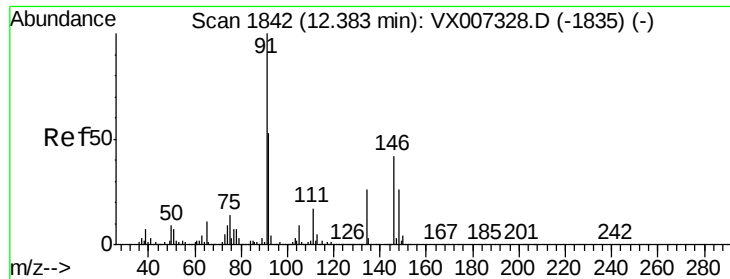
MMDadoda
 2/5/2019 9:52:44 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.248 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	222634		
111	37.3	18.1	54.1	
148	63.5	32.3	96.9	





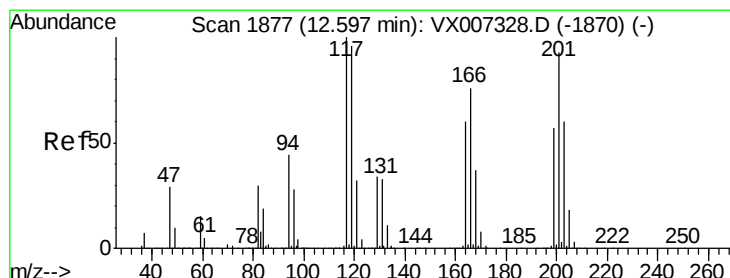
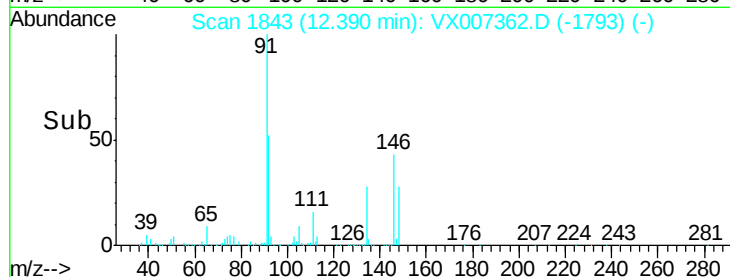
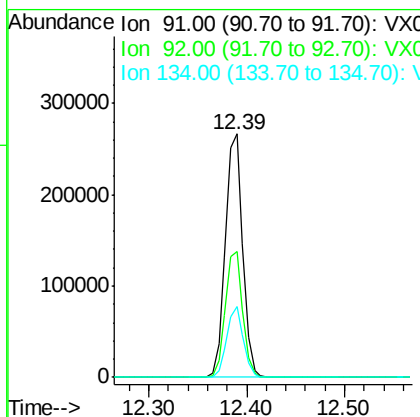
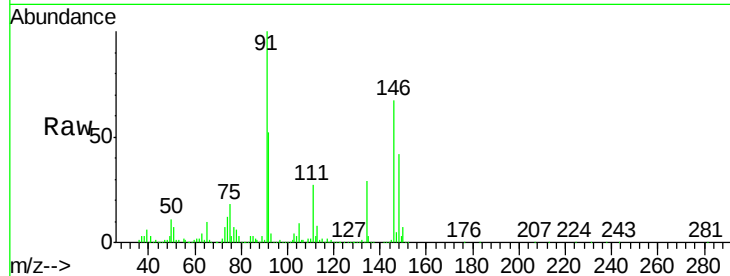
#89
n-Butylbenzene
Concen: 18.998 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampled :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.3	78.9
134	27.9	13.9	41.6

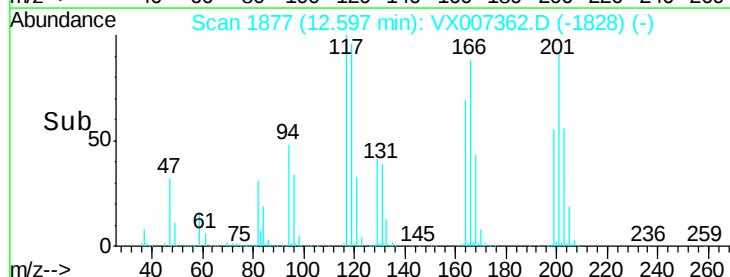
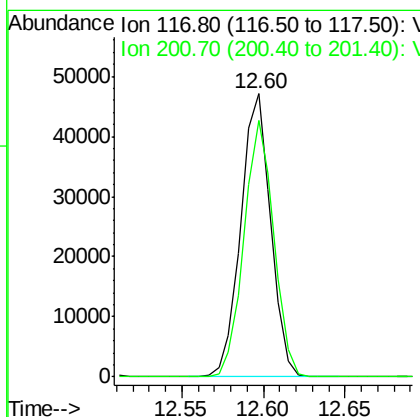
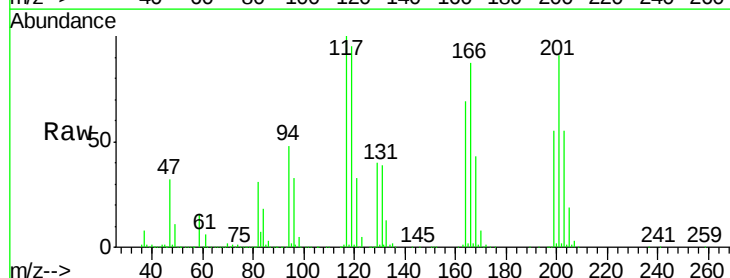
Manual Integrations
APPROVED

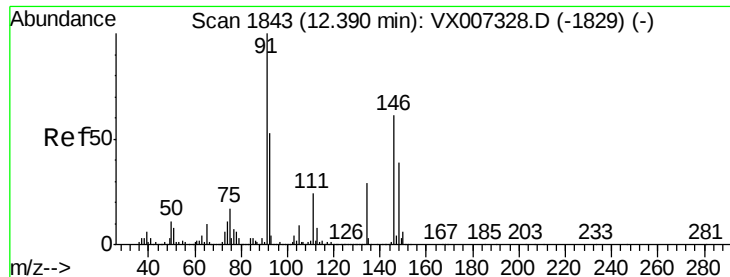
MMDadoda
2/5/2019 9:52:44 AM



#90
Hexachloroethane
Concen: 20.228 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	44.9	134.7





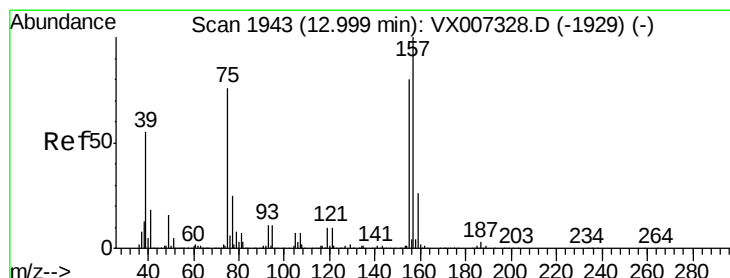
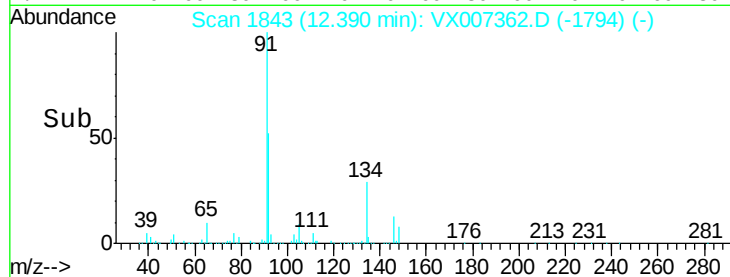
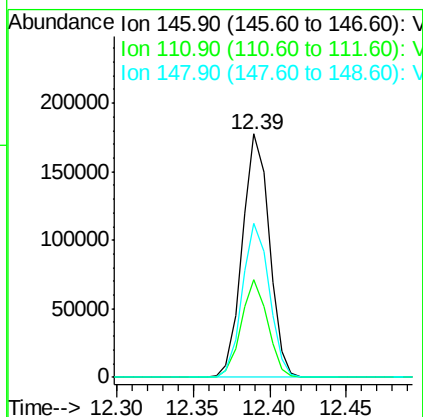
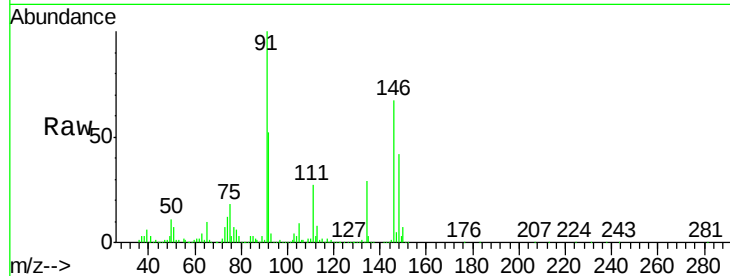
#91
 1,2-Dichlorobenzene
 Concen: 19.168 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	217479		
111	39.6	19.1	57.3	
148	63.3	32.1	96.3	

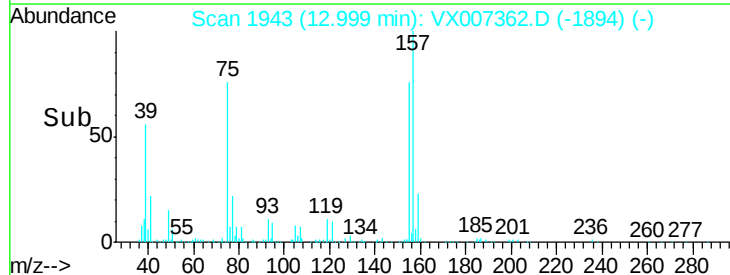
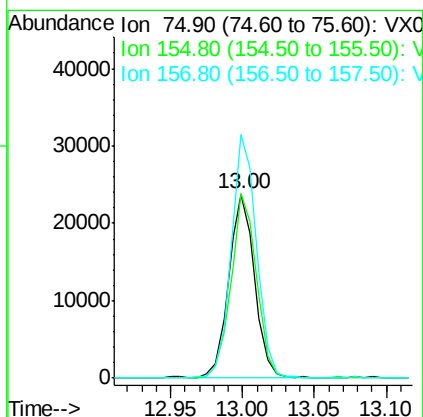
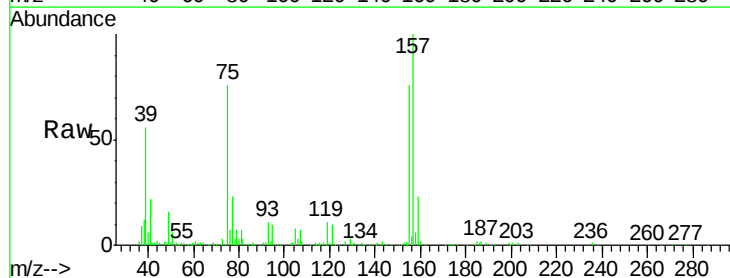
Manual Integrations
 APPROVED

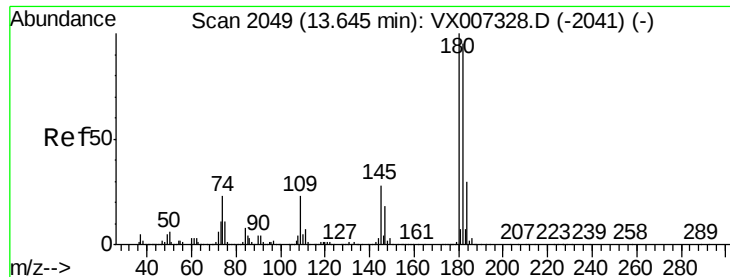
MMDadoda
 2/5/2019 9:52:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.092 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30135		
155	98.6	49.6	149.0	
157	128.7	65.1	195.3	





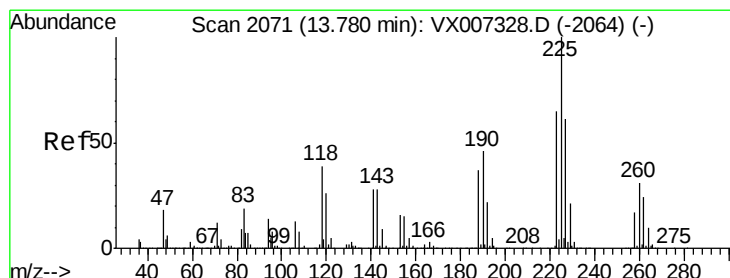
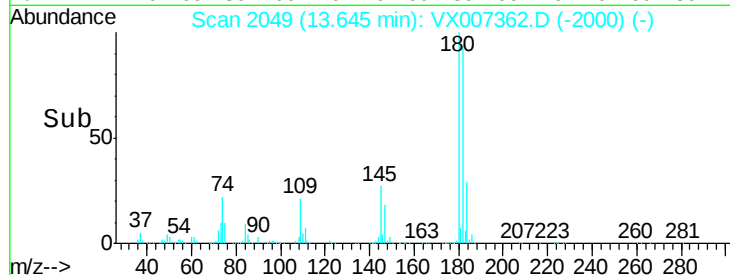
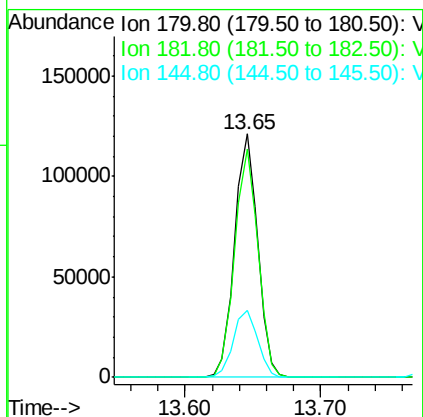
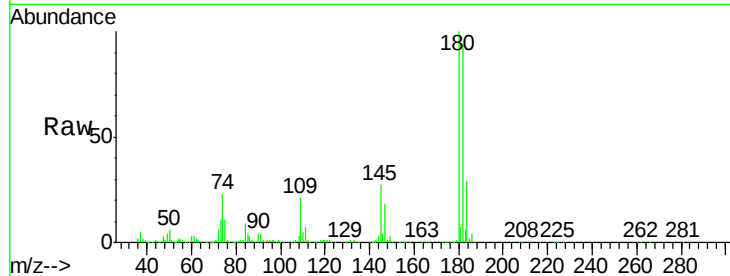
#93
 1,2,4-Trichlorobenzene
 Concen: 18.738 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	143370		
182	94.8	47.8	143.3	
145	29.0	14.1	42.2	

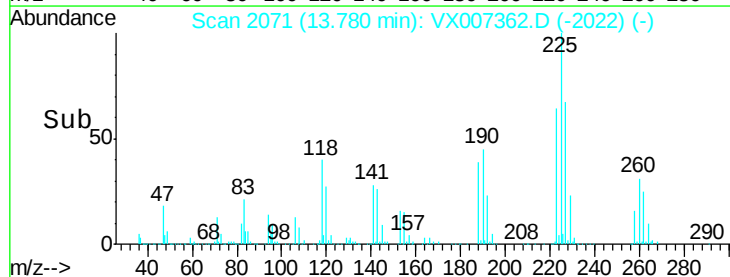
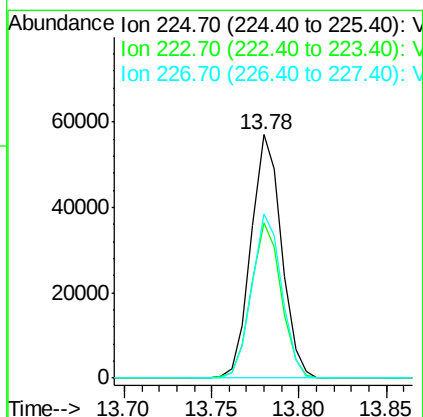
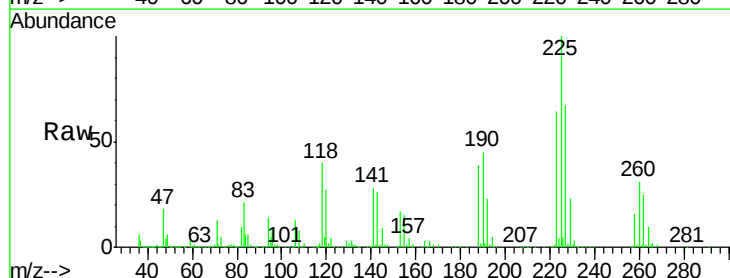
Manual Integrations
 APPROVED

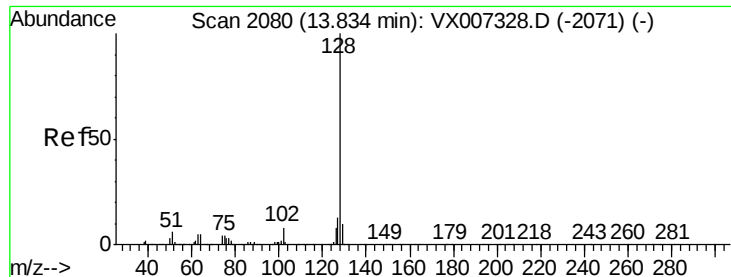
MMDadoda
 2/5/2019 9:52:44 AM



#94
 Hexachlorobutadiene
 Concen: 18.668 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007362.D
 Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69360		
223	63.0	31.6	94.8	
227	65.7	32.1	96.3	





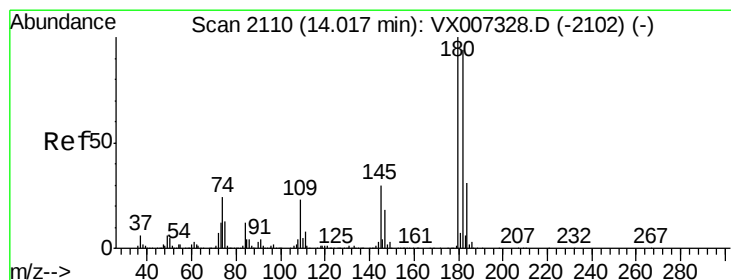
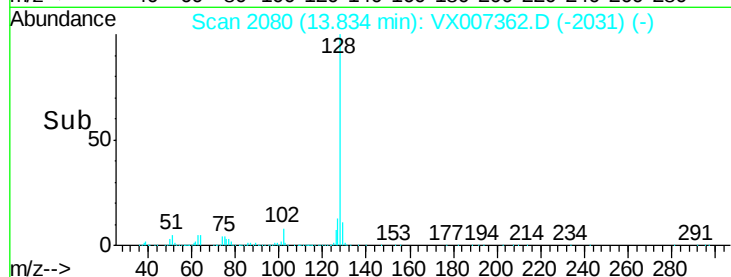
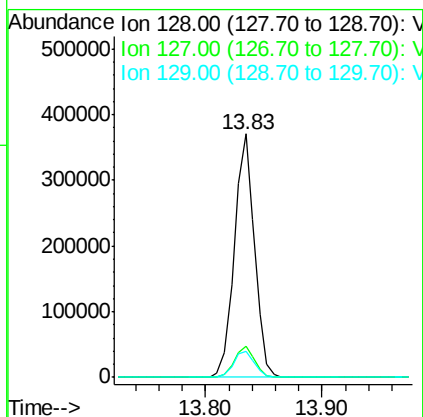
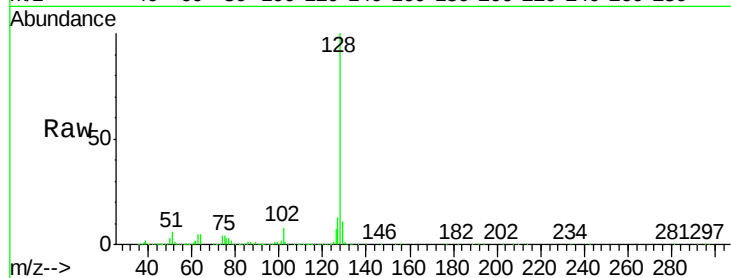
#95
Naphthalene
Concen: 19.946 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:52:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.751 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007362.D
Acq: 04 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.5	142.6
145	30.0	14.9	44.5

